



Checklist aller anerkannten Kakteen 2021

Willdenowia 51(2) – Electronic supplement

NADJA KOROTKOVA, DAVID AQUINO, SALVADOR ARIAS, URS EGGLI, ALAN FRANCK, CARLOS GÓMEZ-HINOSTROSA, PABLO C. GUERRERO, HÉCTOR M. HERNÁNDEZ, ANDREAS KOHLBECKER, MATIAS KÖHLER, KATJA LUTHER, LUCAS C. MAJURE, ANDREAS MÜLLER, DETLEV METZING, RETO NYFFELER, DANIEL SÁNCHEZ, BORIS SCHLUMPBERGER & WALTER G. BERENDSOHN

Cactaceae at Caryophyllales.org – species-level checklist

Electronic supplement to: Korotkova N., Aquino D., Arias S., Egli U., Franck A., Gómez-Hinostrosa C., Guerrero P. C., Hernández H. M., Kohlbecker A., Köhler M., Luther K., Majure L. C., Müller A., Metzling D., Nyffeler R., Sánchez D., Schlumpberger B. & Berendsohn W. G. 2021: *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – Willdenowia 51: 251–270.

doi: <https://doi.org/10.3372/wi.51.51208>

Correspondence to: caryophyllales@bgbm.org

Continuously updated data published through: <http://caryophyllales.org/cactaceae/Checklist>

Caryophyllales Network coordination: Thomas Borsch, Sabine von Mering, Walter G. Berendsohn

Contribution of authors

Data compilation editors — Nadja Korotkova (main editor and compiler), Walter G. Berendsohn (name matching with contributed datasets, nomenclatural issues, data quality control, generation of formatted documents from output from the EDIT Platform, editorial guidelines)

Taxonomic information

David Aquino: *Epithelantha*, *Kadenicarpus*, *Rapicactus*, *Turbincarpus*

Salvador Arias: *Acanthocereus*, *Aporocactus*, *Astrophytum*, *Bergerocactus*, *Cephalocereus*, *Disocactus*, *Marshallocereus*, *Nyctocereus*, *Pachycereus*, *Peniocereus*, *Pereskiaopsis*, *Selenicereus*, *Stenocereus*, *Strophocactus*

Urs Egli: *Aylostera*, *Blossfeldia*, *Rebutia*, *Weingartia*, partial quality control of unresolved names

Alan R. Franck: *Cereus*, *Estevesia*, *Harrisia*, *Pilosocereus*, *Stenocereus*, *Xiquexique*

Pablo C. Guerrero: *Copiapoa*, *Eriogyne*, *Eulychnia*, *Rimacactus*

Héctor M. Hernández & Carlos Gómez-Hinostrosa: *Acanthocereus*, *Acharagma*, *Ariocarpus*, *Astrophytum*, *Aztekium*, *Bergerocactus*, *Cumarinia*, *Cylindropuntia*, *Echinocactus*, *Escontria*, *Grusonia*, *Lophophora*, *Mammillaria* p.p., *Melocactus* p.p., *Myrtillocactus*, *Neolloydia*, *Opuntia* p.p., *Peniocereus* p.p., *Sclerocactus*, *Thelocactus*, *Turbincarpus* p.p.

Matias Köhler: *Airampoa*, *Brasiliopuntia*, *Opuntia* p.p., *Salmonopuntia*, *Tacinga*

Nadja Korotkova: *Deamia*, *Disocactus*, *Epiphyllum*, *Hattoria*, *Kimnachia*, *Lepismium*, *Leuenbergeria*, *Lymanbensonia*, *Pereskia*, *Pfeiffera*, *Pseudorhipsalis*, *Rhipsalidopsis*, *Rhipsalis*, *Schlumbergera*, *Selenicereus*, *Strophocactus*, *Weberocereus*

Lucas C. Majure: *Cochemia*, *Consolea*, *Coryphantha*, *Cumarinia*, *Cylindropuntia*, *Grusonia*, *Kroenleinia*, *Leptocereus*, *Melocactus*, *Micropuntia*, *Opuntia* p.p.

Detlev Metzling: *Frailea*, *Gymnocalycium*, various other genera

Reto Nyffeler: *Parodia*

Daniel Sánchez: *Echinocereus*

Boris Schlumpberger: *Acanthocalycium*, *Echinopsis*, *Leucostele*, *Lobivia*, *Reicheocactus*, *Setiechinopsis*, *Soehrensia*, *Trichocereus*

EDIT Platform development — Andreas Müller, Andreas Kohlbecker, Katja Luther

Citation for partial treatments (example)

Arias S. 2021: Revisions of *Acanthocereus*, *Aporocactus*, *Astrophytum*, *Bergerocactus*, *Cephalocereus*, *Disocactus*, *Marshallocereus*, *Nyctocereus*, *Pachycereus*, *Peniocereus*, *Pereskiaopsis*, *Selenicereus*, *Stenocereus*, *Strophocactus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – Willdenowia 51: 251–270. doi: <https://doi.org/10.3372/wi.51.51208>

Contents

| | |
|--------------------------------------|-----|
| Introduction..... | 2 |
| Systematic treatment..... | 3 |
| Core checklist | 3 |
| Hybrids | 387 |
| Names of uncertain application | 396 |
| Unplaced taxa | 407 |
| Unresolved names..... | 407 |
| Excluded names..... | 422 |
| Index to scientific names | 424 |
| References..... | 724 |

Introduction

This *Cactaceae* checklist was compiled from literature and online sources using the tools of the EDIT Platform for Cybertaxonomy (<https://cybertaxonomy.eu>). The data also form a contribution for the World Flora Online (WFO) initiative (<http://www.worldfloraonline.org>). The general approach to compiling this checklist and the editorial guidelines are described in detail in the main article. This checklist represents the output from the database as of 16 August 2021. The online version at <http://caryophyllales.org/cactaceae/Checklist> represents the actual updated state of the database. The data are managed with the EDIT Platform for Cybertaxonomy software and the database is hosted at the Botanic Garden and Botanical Museum Berlin. Please refer to the above-cited article for background information.

The Checklist is divided into the Core checklist of accepted genera, species and infraspecies, including some definitely excluded names and taxa. Outside the Core checklist, we list names that are presently considered to belong to named hybrids that are probably not of natural occurrence, names of verified uncertain application, and unresolved names – i.e. names that could not be clarified with the sources used and need further investigation. Additional taxonomic data, such as morphological descriptions, identification keys, distribution data, as well as additional nomenclatural information, such as types and type image links for species and infraspecific taxa or names, and sources of the nomenclatural status, are so far only available for some taxa and are accessible in the online portal only.

Statistics — A total of 22,275 names are treated:

20,646 names are included in the Core checklist:

- 2835 taxa (1851 accepted species, 91 hybrid species, 458 heterotypic infraspecific taxa (including 2 hybrids), and 288 infraspecific taxa carrying autonyms.
- 17,932 synonyms and invalid designations that are clearly attributable to a taxon.
- 16 names were excluded.

Not treated in the Core checklist:

- 389 names are considered as of uncertain application.
- 672 names (including 151 synonyms) are unresolved.
- 454 names are found in the separate list of hybrid names.

Names of subfamilies, tribes and infrageneric groups (with few exceptions in the homotypic synonymy) are currently not included.

Secundum references — The backbone classification follows phylogeny-based taxonomic treatments as far as they are available; otherwise, appropriate classical or conventional taxonomic works are used as the basis. The classification with respect to the acceptance of taxa follows treatments that were published, in press or at least submitted during the compilation of the checklist. The taxonomic concept or circumscription of the accepted taxa is indicated by the secundum (“sec.”) reference. For synonyms, the “syn. sec.” reference indicates the assignment of the synonym to the concept of either the accepted name or one of its homotypic synonyms; this may or may not be the same reference as that of the secundum of the taxon. However, in the present state of our data, the sec. reference in some cases represents the source of a name (particularly when the taxonomic position of that name is not yet clear), or the reference for the placement (especially if the placement resulted in a changed name), or even the reference for the source of a name or taxon under one of the categories excluded from the Core checklist.

Systematic treatment

Cactaceae Juss., Gen. Pl.: 310. 1789. Sec. APG IV [Angiosperm Phylogeny Group] (2016)

Type: *Cactus* L.

Core checklist

***Acanthocalycium* Backeb., Kaktus-ABC: 224, 412. 1936 ["1935"]. Sec. Schlumpberger (2021)**

Type: *Acanthocalycium spiniflorum* (K.Schum.) Backeb.

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Acanthocalycium glaucum* F.Ritter in Taxon 13: 143. 1964. Sec. Hunt (2016)**

≡ *Lobivia thionantha* var. *glaucum* (F.Ritter) Rausch, *Lobivia* 85: 156. 1987 ["1985"] ≡ *Echinopsis thionantha* subsp. *glaucum* (F.Ritter) M.Lowry in *Cactaceae Syst. Init.* 19: 12. 2005 ≡ *Acanthocalycium thionanthum* subsp. *glaucum* (F.Ritter) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 2. 2013

= *Echinopsis glaucina* H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 95. 1974 syn. sec. Hunt (2016)

***Acanthocalycium leucanthum* (Gillies ex Salm-Dyck) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012. Sec. Schlumpberger (2012)**

≡ *Echinocactus leucanthus* Gillies ex Salm-Dyck, *Hort. Dyck.*: 341. 1834 syn. sec. Schlumpberger (2012) ≡ *Cereus leucanthus* (Gillies ex Salm-Dyck) Pfeiff., *Enum. Diagn. Cact.*: 71. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinopsis leucantha* (Gillies ex Salm-Dyck) Walp., *Repert. Bot. Syst.* 2: 324. 1843

= *Melocactus ambiguus* Pfeiff. in *Allg. Gartenzeitung* 1: 364. 1833 syn. sec. Kew WCVP (2019)

= *Cereus incurvispinus* Otto & A.Dietr. in *Allg. Gartenzeitung* 3: 244. 1835 syn. sec. Kew WCVP (2019)

= *Melocactus elegans* Pfeiff. in *Allg. Gartenzeitung* 3: 244. 1835 syn. sec. Kew WCVP (2019)

= *Echinonyctanthus leucanthus* Lem., *Cact. Gen. Sp. Nov.*: 85. 1839 syn. sec. Kew WCVP (2019)

= *Echinocactus salpigophorus* Pfeiff. ex Labour., *Monogr. Cactaceae*: 302. 1853 syn. sec. Britton & Rose (1922)

= *Echinopsis campylacantha* var. *leucantha* Labour., *Monogr. Cactaceae*: 305. 1853 syn. sec. Britton & Rose (1922)

= *Echinopsis campylacantha* var. *stylodes* Monv. ex Labour., *Monogr. Cactaceae*: 305. 1853 syn. sec. Britton & Rose (1922)

= *Echinopsis simplex* Niedt in *Allg. Gartenzeitung* 25: 238. 1857 syn. sec. Britton & Rose (1922)

= *Cereus campylacanthus* (Pfeiff. & Otto) Mottet, *Dict. Prat. Hort.* 1: 582. 1892–1893 ≡ *Echinopsis campylacantha* Pfeiff. & Otto, *Abbild. Besch. Cact.* 1: t. 4. 1838 syn. sec. Britton & Rose (1922)

= *Echinopsis baldiana* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 490. 1905 syn. sec. Hunt (2016)

= *Echinocactus cordobensis* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 489. 1905 syn. sec. Kew WCVP (2019)

= *Echinopsis intricatissima* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 491. 1905 syn. sec. Kew WCVP (2019)

= *Echinopsis melanopotamica* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 492. 1905 syn. sec. Hunt (2016)

= *Echinopsis molesta* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 490. 1905 syn. sec. Hunt (2016)

= *Echinopsis shaferi* Britton & Rose, *Cactaceae* 3: 69. 1922 syn. sec. Hunt (2016)

= *Echinopsis spagazziniana* Britton & Rose, *Cactaceae* 3: 69. 1922 syn. sec. Hunt (2016)

= *Echinopsis leucantha* var. *brasiliensis* Speg. in *Anales Soc. Ci. Argent.* 99: 120. 1925 syn. sec. Kew WCVP (2019)

= *Echinopsis gladispina* Y.Itô, *Explan. Diagn. Austroechinocactinae*: 68. 1957 syn. sec. Kew WCVP (2019)

= *Echinopsis leucantha* var. *volliana* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Acanthocalycium rhodotrichum* (K.Schum.) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012. Sec. Schlumpberger (2012)**

≡ *Echinopsis rhodotricha* K.Schum. in *Monatsschr. Kakteenk.* 10: 147. 1900 syn. sec. Schlumpberger (2012) – *Acanthocalycium rhodotrichum* (K.Schum.) Schlumpb. in *Cactaceae Syst. Init.* 28: 29. 2012 syn. sec. TPL (2013) [is misspelling for *Acanthocalycium rhodotrichum* (K.Schum.) Schlumpb.]

= *Echinocactus forbesii* Lehm. in *Repert. Bot. Syst.* 2: 319. 1843 syn. sec. Kew WCVP (2019)

= *Echinopsis forbesii* A.Dietr. in *Allg. Gartenzeitung* 17: 193. 1849 syn. sec. Tropicos ≡ *Echinopsis pentlandii* var. *forbesii* (A.Dietr.) Rud.Mey. in *Monatsschr. Kakteenk.* 7: 155. 1897 syn. sec. Tropicos ≡ *Echinopsis pentlandii* var. *forbesii* (A.Dietr.) Hildm. in *Monatsschr. Kakteenk.* 20: 180. 1910 syn. sec. Korotkova (2021) ≡ *Lobivia pentlandii* var. *forbesii* (A.Dietr.) Y.Itô ex Backeb., *Cactaceae* 3: 1383. 1959

= *Echinopsis valida* var. *forbesii* Rud.Mey. in *Monatsschr. Kakteenk.* 5: 133. 1895 syn. sec. Kew WCVP (2019)

= *Cereus validissimus* F.A.C.Weber, *Dict. Hort.*: 473. 1896 syn. sec. Britton & Rose (1922)

= *Echinopsis rhodotricha* var. *roseiflora* K.Schum. in *Bull. Herb. Boissier*, sér. 2, 3: 251. 1903 syn. sec. Kew WCVP (2019)

= *Echinopsis spagazzinii* K.Schum. ex Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 488. 1905 syn. sec. Kew WCVP (2019)

= *Echinopsis rhodotricha* var. *argentinensis* Rud.Mey. in *Monatsschr. Kakteenk.* 21: 188. 1911 syn. sec. Kew WCVP (2019)

= *Echinopsis rhodotricha* var. *robusta* Rud.Mey. in *Monatsschr. Kakteenk.* 24: 113. 1914 syn. sec. Kew WCVP (2019)

= *Echinopsis robinsoniana* Werderm., *Repert. Spec. Nov. Regni Veg. Sonderbeih. C.* t. 80. 1934 syn. sec. Kew WCVP (2019)

= *Echinopsis chacoana* var. *spiniosior* F.Ritter in *Succulenta (Netherlands)* 44: 26. 1965 syn. sec. Kew WCVP (2019) ≡

Echinopsis rhodotricha var. *spiniosior* (F.Ritter) F.Ritter, *Kakteen Südamerika* 1: 262. 1979 syn. sec. Kew WCVP (2019)

= *Echinopsis rhodotricha* var. *brevispina* F.Ritter, *Kakteen Südamerika* 1: 263. 1979 syn. sec. Tropicos

***Acanthocalycium rhodotrichum* subsp. *chacoanum* (Schütz) Schlumpb. in *Willdenowia* 51: 264. 2021.** Sec. Schlumpberger (2021)

≡ *Echinopsis chacoana* Schütz in Kaktusář. Listy 17: 1. 1949 syn. sec. Schlumpberger (2021) ≡ *Echinopsis rhodotricha* var. *chacoana* (Schütz) F.Ritter, Kakteen Südamerika 1: 263. 1979 syn. sec. Schlumpberger (2021) ≡ *Echinopsis rhodotricha* subsp. *chacoana* (Schütz) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 130. 1995 syn. sec. Schlumpberger (2021) = *Echinopsis klingleriana* Cárdenas in Cactus (Paris) 85: 109. 1965 syn. sec. Hunt (2016)

***Acanthocalycium rhodotrichum* subsp. *rhodotrichum*.** Sec. Hunt (2016)

= *Echinopsis minuana* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 488. 1905 syn. sec. Hunt (2016)

= *Echinopsis meyeri* Heese in Gartenflora 56: 1. 1907 syn. sec. Hunt (2016)

***Acanthocalycium spiniflorum* (K.Schum.) Backeb., Kaktus-ABC: 226. 1936 ["1935"].** Sec. Hunt (2016)

≡ *Echinocactus spiniflorus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 88. 1903 ≡ *Echinopsis spiniflora* (K.Schum.) A.Berger, Kakteen: 193. 1929 ≡ *Lobivia spiniflora* (K.Schum.) Rausch, Lobivia 85: 157. 1987 ["1985"]

= *Echinopsis klimpeliana* Weidlich & Werderm. in Z. Sukkulentenk. 3: 175. 1928 ≡ *Lobivia klimpeliana* (Weidlich & Werderm.) A.Berger, Kakteen: 196. 1929 syn. sec. Kew WCVP (2019) ≡ *Acanthocalycium klimpelianum* (Weidlich & Werderm.)

Backeb., Kaktus-ABC: 225. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Lobivia spiniflora* var. *klimpeliana* (Weidlich & Werderm.) Rausch, Lobivia 85: 157. 1987 ["1985"]

= *Echinopsis violacea* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 262. 1931 ≡ *Acanthocalycium violaceum* (Werderm.) Backeb., Kaktus-ABC: 226. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Lobivia spiniflora* var. *violacea* (Werderm.) Rausch, Lobivia 85: 157. 1987 ["1985"] – *Acanthocalycium spiniflorum* f. *violaceum* (Werderm.) Donald in Ashingtonia 1: 116. 1975, nom. inval.

= *Acanthocalycium peitscherianum* Backeb., Kaktus-ABC: 225. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Echinopsis peitscherana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Kew WCVP (2019) ≡ *Lobivia spiniflora* var. *peitscheriana* (Backeb.) Rausch, Lobivia 85: 158. 1987 ["1985"] syn. sec. Kew WCVP (2019) – *Acanthocalycium spiniflorum* f. *peitscherianum* (Backeb.) Donald in Ashingtonia 1: 116. 1975, nom. inval.

= *Acanthocalycium variflorum* Backeb., Kakteenlex.: 57. 1966 syn. sec. Hunt (2016)

= *Lobivia spiniflora* var. *macrantha* Rausch, Lobivia 85: 158. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Acanthocalycium klimpelianum* var. *macranthum* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 9. 1998 syn. sec. Tropicos

***Acanthocalycium thionanthum* (Speg.) Backeb., Kaktus-ABC: 226. 1936 ["1935"].** Sec. Hunt (2016)

≡ *Echinocactus thionanthus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 499. 1905 ≡ *Lobivia thionantha* (Speg.) Britton & Rose, Cactaceae 3: 57–58, f. 74. 1922 ≡ *Echinopsis thionantha* (Speg.) Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 264. 1931 ≡ *Echinopsis thionantha* (Speg.) D.R.Hunt in Bradleya 5: 92. 1987 syn. sec. Tropicos – *Lobivia thionanthus* (Speg.) Britton & Rose, Cactaceae 3: 57–58, f. 74. 1922 syn. sec. TPL (2013) [is orthographic variant for *Lobivia thionantha* (Speg.) Britton & Rose]

= *Echinocactus chionanthus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 499. 1905 syn. sec. Kew WCVP (2019) ≡ *Lobivia chionanthus* (Speg.) Britton & Rose, Cactaceae 3: 58. 1922 ≡ *Echinopsis chionantha* (Speg.) Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 264. 1931 ≡ *Acanthocalycium chionanthum* (Speg.) Backeb., Kaktus-ABC: 225. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Lobivia thionantha* var. *chionantha* (Speg.) Rausch, Lobivia 85: 156. 1987 ["1985"]

= *Acanthocalycium griseum* Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Hunt (2016)

= *Acanthocalycium brevispinum* F.Ritter in Taxon 13: 144. 1964 ≡ *Echinopsis brevispina* (F.Ritter) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 ≡ *Lobivia thionantha* var. *brevispina* (F.Ritter) Rausch, Lobivia 85: 153. 1987 ["1985"]

= *Acanthocalycium aurantiacum* Rausch in Kakteen And. Sukk. 21(3): 45. 1970 syn. sec. Hunt (2016) ≡ *Echinopsis aurantiaca* (Rausch) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 ≡ *Lobivia thionantha* var. *aurantiaca* (Rausch) Rausch, Lobivia 85: 156. 1987 ["1985"]

= *Acanthocalycium catamarcense* F.Ritter, Kakteen Südamerika 2: 465. 1980 syn. sec. Hunt (2016) ≡ *Lobivia thionantha* var. *catamarcensis* (F.Ritter) Rausch, Lobivia 85: 156. 1987 ["1985"] syn. sec. Kew WCVP (2019)

= *Lobivia thionantha* var. *erythrantha* Rausch, Lobivia 85: 155. 1987 ["1985"] syn. sec. Kew WCVP (2019)

***Acanthocalycium thionanthum* subsp. *ferrarii* (Rausch) Schlumpb. in *Willdenowia* 51: 264. 2021.** Sec. Schlumpberger (2021)

≡ *Acanthocalycium ferrarii* Rausch in Succulenta (Netherlands) 55: 82. 1976 syn. sec. Schlumpberger (2021) ≡ *Lobivia thionantha* var. *ferrarii* (Rausch) Rausch, Lobivia 85: 156. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis thionantha* subsp. *ferrarii* (Rausch) M.Lowry in Cactaceae Syst. Init. 14: 14. 2002 syn. sec. Schlumpberger (2021)

= *Lobivia thionantha* var. *munita* Rausch, Lobivia 85: 154. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Acanthocalycium thionanthum* var. *munitum* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 16. 1998 syn. sec. Kew WCVP (2019)

= *Lobivia thionantha* var. *variiflora* Rausch, Lobivia 85: 156. 1987 ["1985"] syn. sec. Kew WCVP (2019)

Acanthocalycium thionanthum* subsp. *thionanthum

***Acanthocereus* (Engelm. ex A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 432. 1909.** Sec. Korotkova & al. (2017)

Type: *Acanthocereus baxaniensis* (Karw. ex Pfeiff.) Borg

≡ *Cereus* subsect. *Acanthocereus* Engelm. ex A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 77. 1905 syn. sec. Korotkova & al. (2017)

= *Peniocereus* subg. *Pseudoacanthocereus* Sánchez-Mej. in Cact. Suc. Mex. 19: 38. 1974 syn. sec. Korotkova & al. (2017).

Type: *Peniocereus maculatus* (Weing.) Cutak; *Cereus maculatus* Weing.

Notes. – The sister relationship of *Peniocereus* subg. *Pseudoacanthocereus* and *Acanthocereus* has been shown several times with high statistical support from plastid data (Nyffeler 2002; Arias & al. 2005; Korotkova & al. 2017). Based on these results, *Acanthocereus* is only monophyletic if it also includes *Peniocereus* subg. *Pseudoacanthocereus*. Therefore, a new circumscription of *Acanthocereus* now including the nine erstwhile *Peniocereus* subgen. *Pseudoacanthocereus* species was provided by Korotkova & al. (2017). [Arias (2021)]

***Acanthocereus canoensis* (P.R.House, Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova in Phytotaxa 327(1): 18. 2017.** Sec. Korotkova & al. (2017)

≡ *Peniocereus canoensis* P.R.House, Gómez-Hin. & H.M.Hern. in Revista Mex. Biodivers. 84: 1077. 2013 syn. sec. Korotkova & al. (2017)

***Acanthocereus castellae* (Sánchez-Mej.) Lodé in Cact.-Avent. Int. 98(Suppl.): 2. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus castellae* Sánchez-Mej. in Cact. Suc. Mex. 19(1): 12. 1974 syn. sec. Korotkova & al. (2017)

***Acanthocereus chiapensis* Bravo in Cact. Suc. Mex. 17: 117. 1972.** Sec. Korotkova & al. (2017)

≡ *Peniocereus chiapensis* (Bravo) Gómez-Hin. & H.M.Hern. in Revista Mex. Biodivers. 76(2): 131. 2005 syn. sec. Korotkova & al. (2017)

– *Acanthocereus griseus* Backeb. in Cactus (Paris) 85: 103–106. 1965, nom. inval. syn. sec. Korotkova & al. (2017)

***Acanthocereus cuixmalensis* (Sánchez-Mej.) Lodé in Cact.-Avent. Int. 98(Suppl.): 2. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus cuixmalensis* Sánchez-Mej. in Cact. Suc. Mex. 18: 91. 1973 syn. sec. Korotkova & al. (2017)

***Acanthocereus fosterianus* (Cutak) Lodé in Cact.-Avent. Int. 98(Suppl.): 2. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus fosterianus* Cutak in Cact. Succ. J. (Los Angeles) 18: 19. 1946 syn. sec. Korotkova & al. (2017)

= *Peniocereus fosterianus* var. *multitopalum* Sánchez-Mej. in Cact. Suc. Mex. 19(2): 50. 1974 syn. sec. Korotkova & al. (2017)

= *Peniocereus fosterianus* var. *nizandensis* Sánchez-Mej. in Cact. Suc. Mex. 19(2): 49. 1974 syn. sec. Korotkova & al. (2017)

***Acanthocereus haackeanus* Backeb. ex Lodé in Int. Cact. Advent. 111-112: 66. 2016.** Sec. Kew WCVP (2019)

≡ *Peniocereus haackeanus* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Kew WCVP (2019) – *Neoevansia haackeana* (Backeb.) Sánchez-Mej. in Cact. Suc. Mex. 18: 24. 1973, nom. inval. syn. sec. Kew WCVP (2019) – *Neoevansia haackiana* (Backeb.) Sánchez-Mej. in Cact. Suc. Mex. 18: 24. 1973, nom. inval. syn. sec. Tropicos

***Acanthocereus hesperius* D.R.Hunt in Cactaceae Syst. Init. 34: 9. 2016.** Sec. Korotkova & al. (2017)

= *Peniocereus occidentalis* Bravo ex S.Arias, U.Guzmán & Gama in Cact. Suc. Mex. 37: 75. 1992 syn. sec. Korotkova & al. (2017) – *Peniocereus occidentalis* Bravo, Cact. Suc. Mex. 8: 80. 1963, nom. inval. syn. sec. Korotkova & al. (2017)

***Acanthocereus hirschtianus* (K.Schum.) Lodé in Cact.-Avent. Int. 98(Suppl.): 2. 2013.** Sec. Korotkova & al. (2017)

≡ *Cereus hirschtianus* K.Schum., Gesamtbeschr. Kakt.: 130. 1897 syn. sec. Korotkova & al. (2017) ≡ *Nyctocereus hirschtianus* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 424. 1909 syn. sec. Korotkova & al. (2017) ≡ *Peniocereus hirschtianus* (K.Schum.) D.R.Hunt in Bradleya 9: 90. 1991 syn. sec. Korotkova & al. (2017)

= *Cereus neumannii* K.Schum. in Bot. Jahrb. Syst. 29(1): 99. 1900 syn. sec. Korotkova & al. (2017) ≡ *Nyctocereus neumannii* (K.Schum. ex Loes.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 424. 1909 syn. sec. Korotkova & al. (2017)

= *Nyctocereus guatemalensis* Britton & Rose in Contr. U.S. Natl. Herb. 16: 240. 1913 syn. sec. Korotkova & al. (2017) ≡ *Cereus guatemalensis* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 23: 86, 88. 1913 syn. sec. Korotkova & al. (2017) ≡

Peniocereus guatemalensis (Britton & Rose) D.R.Hunt in Cactaceae Syst. Init. 21: 14. 2006 syn. sec. Korotkova & al. (2017)

***Acanthocereus macdougallii* (Cutak) Lodé in Cact.-Avent. Int. 98(Suppl.): 2. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus macdougallii* Cutak in Cact. Succ. J. (Los Angeles) 19: 87. 1947 syn. sec. Korotkova & al. (2017)

– *Peniocereus macdougallii* var. *centrispinus* Backeb., Cactaceae 6: 3843. 1962, nom. inval. syn. sec. Korotkova & al. (2017)

***Acanthocereus maculatus* Weing. ex Bravo in Anales Inst. Biol. Univ. Nac. Mexico 3: 398. 1933.** Sec. Korotkova & al. (2017)

≡ *Cereus maculatus* Weing. in Kakteenkunde: 14. 1933 syn. sec. Korotkova & al. (2017) ≡ *Acanthocereus maculatus* (Weing.) F.M.Knuth, Kaktus-ABC: 303. 1936 ["1935"] syn. sec. Korotkova & al. (2017) ≡ *Peniocereus maculatus* (Weing.) Cutak in Cact. Succ. J. (Los Angeles) 23: 76. 1951 syn. sec. Korotkova & al. (2017)

***Acanthocereus oaxacensis* (Britton & Rose) Lodé in Cact.-Avent. Int. 97: 2. 2012 ["2013"].** Sec. Korotkova & al. (2017)

≡ *Nyctocereus oaxacensis* Britton & Rose, Cactaceae 2: 120. 1920 syn. sec. Korotkova & al. (2017) ≡ *Peniocereus oaxacensis* (Britton & Rose) D.R.Hunt in Bradleya 9: 90. 1991 syn. sec. Korotkova & al. (2017)

***Acanthocereus paradoxus* P.González-Zamora & Dan. Sánchez in Phytotaxa 470(2): 146. 2020.** Sec. González-Zamora & al. (2020)

***Acanthocereus rosei* (J.G.Ortega) Lodé in Cact.-Avent. Int. 98(Suppl.): 3. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus rosei* J.G.Ortega in Revista Mex. Biol. 6: 189. 1926 syn. sec. Korotkova & al. (2017)

***Acanthocereus tepalcatepecanus* (Sánchez-Mej.) Lodé in Cact.-Avent. Int. 98(Suppl.): 3. 2013.** Sec. Korotkova & al. (2017)

≡ *Peniocereus tepalcatepecanus* Sánchez-Mej. in Cact. Suc. Mex. 19: 14. 1974 syn. sec. Korotkova & al. (2017)

***Acanthocereus tetragonus* (L.) Hummelinck in Succulenta (Netherlands) 20: 165. 1938.** Sec. Korotkova & al. (2017)

≡ *Cactus tetragonus* L., Sp. Pl.: 466. 1753 syn. sec. Korotkova & al. (2017) ≡ *Cereus tetragonus* (L.) Mill., Gard. Dict., ed. 8: Cereus No. 2. 1768 syn. sec. Korotkova & al. (2017)

= *Cactus pentagonus* L., Sp. Pl.: 466. 1753 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Cereus pentagonus* (L.) Haw., Syn. Pl. Succ.: 180. 1812 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Acanthocereus pentagonus* (L.) Britton & Rose, Cactaceae 2: 122. 1920 syn. sec. Hernández & Gómez-Hinostrosa (2011)

- = ?*Cactus pitajaya* Jacq., Enum. Syst. Pl.: 23. 1760 syn. sec. Anderson (2005) ≡ ?*Cereus pitajaya* (Jacq.) DC., Prodr. 3: 466. 1828 syn. sec. Anderson (2005) ≡ ?*Acanthocereus pitajaya* (Jacq.) Dugand ex Croizat in *Caldasia* 2: 135. 1943 syn. sec. Gómez-Hinostrosa (2006)
- = *Cactus prismaticus* Willd., Enum. Pl., Suppl.: 32. 1814 syn. sec. Britton & Rose (1920) ≡ *Cereus prismaticus* (Willd.) Haw., Suppl. Pl. Succ.: 77. 1819 syn. sec. Britton & Rose (1920) ≡ *Cereus prismaticus* (Willd.) Haw. ex Steud., Nomencl. Bot., ed. 2, 1: 335. 1840 syn. sec. Korotkova (2021)
- = *Cactus reptans* Salm-Dyck ex DC., Prodr. 3: 468. 1828 syn. sec. Kew WCVP (2019)
- = *Cereus tetragonus* var. *ramosior* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 6: 432. 1830 syn. sec. Britton & Rose (1920)
- = *Cereus tetragonus* var. *minor* Salm-Dyck, Hort. Dyck.: 337. 1834 syn. sec. Kew WCVP (2019)
- = *Cereus acutangulus* Pfeiff., Enum. Diagn. Cact.: 107. 1837 syn. sec. Hunt (2006) ≡ *Acanthocereus acutangulus* (Pfeiff.) A.Berger, Kakteen: 337, indice 124. 1929 syn. sec. Hunt (2006)
- = *Cereus baxaniensis* Karw. ex Pfeiff., Enum. Diagn. Cact.: 108. 1837 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Acanthocereus baxaniensis* (Karw. ex Pfeiff.) Borg, Cacti, ed. 1: 132. 1937 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Cereus princeps* Pfeiff., Enum. Diagn. Cact.: 108. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Acanthocereus princeps* (Pfeiff.) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Hunt (2016)
- = *Cereus ramosus* Karw. ex Pfeiff., Enum. Diagn. Cact.: 108. 1837 syn. sec. Britton & Rose (1920)
- = *Cereus undulatus* Pfeiff., Enum. Diagn. Cact.: 107. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus tetragonus* var. *major* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)
- = *Cereus pentagonus* C.F.Först., Handb. Cacteenk.: 389. 1846 syn. sec. Tropicos
- = *Cereus nitidus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 211. 1850 syn. sec. Kew WCVP (2019)
- = *Cereus variabilis* Engelm., Descr. Cactaceae: 40. 1856 syn. sec. Britton & Rose (1920)
- = *Cereus vasmerii* Young, Fl. Texas: 276. 1873 syn. sec. Kew WCVP (2019)
- = *Cereus babosus* F.A.C.Weber in Schumann, Gesamtbeschr. Kakt.: 84. 1897 syn. sec. Korotkova & al. (2017)
- = *Cereus dussii* K.Schum., Gesamtbeschr. Kakt.: 89. 1897 syn. sec. Britton & Rose (1920)
- = *Cereus sirul* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 11: 384. 1904 syn. sec. Britton & Rose (1920)
- = *Acanthocereus colombianus* Britton & Rose, Cactaceae 2: 122. 1920 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Acanthocereus horridus* Britton & Rose, Cactaceae 2: 122, fig. 181. 1920 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Acanthocereus occidentalis* Britton & Rose, Cactaceae 2: 125, fig. 185. 1920 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Acanthocereus subinermis* Britton & Rose, Cactaceae 2: 125. 1920 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Acanthocereus floridanus* Small ex Britton & Rose, Cactaceae 4: 276. 1923 syn. sec. Hunt (2006)
- = *Cereus horribilis* A.Berger, Kakteen: 124, 338. 1929 syn. sec. Kew WCVP (2019)
- = *Acanthocereus tetragonus* var. *micracanthus* Dugand in Phytologia 13: 383. 1966 syn. sec. Guzmán Cruz & al. (2003)
- *Cereus reptans* Haw. ex Steud., Nomencl. Bot., ed. 2, 1: 335. 1840, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – Hummelinck (1938: 170) designated as lectotype of *Cereus tetragonus* two samples collected by him in Curaçao [Hummelinck 196 (flower), 170 (fruit) U], but Hunt (1991: 82, 1998: 16) and Egli (in Anderson 2005: 70) corrected its designation as neotype. However, this cannot be accepted according to the Art. 9.17. The designation of one of the specimens as neotype is currently in discussion (Hunt 2006).

Possible typification of *Cactus pentagonus* is not resolved (Hunt 1991: 83, Hunt 2006: 25). Eventual typification of *Cereus baxaniensis* is under discussion, since its identity and provenance is uncertain (Hunt 1998: 15, 2006: 25). [Korotkova & al. (2017)]; The name *Acanthocereus pitajaya* (Jacq.) Dugand was erroneously associated with *Acanthocereus*. According to Dugand (1966), in Jacquin's original description the fruit has white pulp, which suggests that it is a *Hylocereus* sp. [Hernández & Gómez-Hinostrosa (2021)]

***Acharagma* (N.P.Taylor) Glass, Guía Identific. Cact. Amenazadas México: Ac/Ag. 1997 ["1998"].**
Sec. Vázquez-Sánchez & al. (2013)

Type: *Acharagma roseanum* (Boed.) E.F.Anderson

≡ *Escobaria* sect. *Acharagma* N.P.Taylor in Kakteen And. Sukk. 34: 185. 1983 syn. sec. Hunt (2006)

Notes. – *Acharagma* includes only two species that were found well-supported as sister to each other by Vázquez-Sánchez & al. (2013). [Hernández-Ledesma & al. (2015)]

***Acharagma aguirreanum* (Glass & R.A.Foster) Glass, Guía Identific. Cact. Amenazadas México: Ac/ag. 1997 ["1998"].**
Sec. Hernández & Gómez-Hinostrosa (2011)

≡ *Gymnocactus aguirreanus* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 44(2): 80. 1972 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Thelocactus aguirreanus* (Glass & R.A.Foster) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Escobaria aguirreana* (Glass & R.A.Foster) N.P.Taylor in Kakteen And. Sukk. 34: 185. 1983 syn. sec. Hernández & Gómez-Hinostrosa (2011)

***Acharagma roseanum* (Boed.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 323. 1999.** Sec. Hernández & Gómez-Hinostrosa (2011)

≡ *Echinocactus roseanus* Boed. in Z. Sukkulentenk.: 363. 1928 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Neolloydia roseana* (Boed.) F.M.Knuth, Kaktus-ABC: 368. 1936 ["1935"] syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Thelocactus roseanus* (Boed.) Borg, Cacti, ed. 1: 282. 1937 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Escobaria roseana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 79. 1951 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Coryphantha roseana* (Boed.) Moran in Gentes Herbarum 8: 318. 1953 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Gymnocactus roseanus* (Boed.) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 42: 234. 1970 syn. sec. Hernández & Gómez-Hinostrosa (2011)

***Acharagma roseanum* subsp. *galeanensis* (Haugg) D.R.Hunt in Cactaceae Syst. Init. 14: 7. 2002.** Sec. Hernández & Gómez-Hinostrosa (2011)

≡ *Escobaria roseana* subsp. *galeanensis* Haugg in Kakteen And. Sukk. 46: 76. 1995 syn. sec. Hernández & Gómez-Hinostrosa (2011)

= *Acharagma huasteca* Elhart in CactusWorld 29: 105. 2011 syn. sec. Hernández & Gómez-Hinostrosa (2011)

***Acharagma roseanum* subsp. *roseanum*.** Sec. Hernández & Gómez-Hinostrosa (2011)

***Airampoa* Frič, Akklim. Versuchs-Gart.: 1. 1933.** Sec. Doweld (2002)

Type: *Airampoa aurata* Frič

= *Tunilla* D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000, nom. superfl. syn. sec. Doweld (2002). Type: *Tunilla soehrensii* (Britton & Rose) D.R.Hunt & Iliff

Notes. – **Phylogenetics:** The genus has not been adequately studied and only three species have been included in molecular phylogenetic analyses. Bárcenas & al. (2011) sampled *Tunilla erectoclada* and found it resolved outside the core *Opuntia* clade. Griffith & Porter (2009) sampled *T. corrugata* and *T. longispina* and found them well supported in a clade sister to accessions of *Maihueniopsis ovata* (Pfeiff.) F.Ritter that were misidentified - and are currently labeled as *T. corrugata* (see <https://livingcollections.org/dbg/Accession/593836>) – and *Miqueliopuntia miquelii* (Monv.) F.Ritter. Majure & al. (2012) sampled part of the same accessions of Griffith & Porter (2009) plus others of *T. corrugata*, and found it again supported out of *Opuntia* s.str. Köhler et al. (2020), using chloroplast genome sequences, resolved *T. corrugata* as sister to *Salmonopuntia* + *Miqueliopuntia*. Majure et al. (in prep. 2021), sampling four species of *Tunilla*, strongly supported them in a clade sister to *Miqueliopuntia*. Further molecular studies, including more *Airampoa* species, must be conducted to assert its monophyly and species delimitation. [Köhler (2021)]; **Nomenclature:** The generic name *Tunilla* has been used in the literature until recently. It was published by Hunt & Iliff (2000) to replace the untypified earlier name *Airampoa* Frič. That step has to be regarded as superfluous, because *Airampoa* Frič was validly published with a brief German description presented in two rare trade catalogues (Frič 1929; 1933). This satisfied all the rules of valid publication of a genus name; no Latin diagnosis was required prior to 1 Later, a Frič illustration and specimens in the Frič herbarium currently housed at PR (Guiggi 2007, cf. Figs 1, 2, 3) could further clarify the concept of Frič's genus *Airampoa*. Doweld (2002) provided a neotype for *Airampoa aurata* based on Frič's material in PR as well as the necessary combinations and typifications for 16 species he included in the genus. [Korotkova (2021)]

***Airampoa albisaetacens* (Backeb.) Doweld in Turczaninowia 5: 28. 2002.** Sec. Doweld (2002)

≡ *Opuntia albisaetacens* Backeb., Kaktus-ABC: 127, 411. 1936 ["1935"] syn. sec. Doweld (2002) ≡ *Platyopuntia albisaetacens* (Backeb.) F.Ritter, Kakteen Südamerika 2: 501. 1980 syn. sec. Doweld (2002) ≡ *Tunilla albisaetacens* (Backeb.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000 syn. sec. Doweld (2002)

= *Opuntia albisaetacens* var. *robustior* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)

***Airampoa armata* (Backeb.) Doweld in Turczaninowia 5: 28. 2002.** Sec. Doweld (2002)

≡ *Opuntia armata* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Doweld (2002)

***Airampoa ayrampo* (Azara) Doweld in Turczaninowia 5: 28. 2002.** Sec. Doweld (2002)

≡ *Cactus ayrampo* Azara, Voy. Amér. MÉR. 2: 526. 1809 syn. sec. Doweld (2002) ≡ *Opuntia ayrampo* (Azara) Mottram in Tephrocactus Study Group 10: 10. 2004 syn. sec. Doweld (2002)

= *Opuntia haenquiana* Herrera in Rev. Univ. Cuzco 8: 60. 1919 syn. sec. Doweld (2002)

= *Opuntia soehrensii* Britton & Rose, Cactaceae 1: 134-135. 1919 syn. sec. Doweld (2002) ≡ *Platyopuntia soehrensii* (Britton & Rose) F.Ritter, Kakteen Südamerika 2: 411. 1980 syn. sec. Doweld (2002) ≡ *Tunilla soehrensii* (Britton & Rose) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Doweld (2002) ≡ *Tephrocactus soehrensii* (Britton & Rose) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Kew WCV (2019) ≡ *Airampoa soehrensii* (Britton & Rose) Lodé, Int. Cact. Advent. 111-112: 67. 2016

= *Opuntia poecilacantha* Backeb., Cactaceae 6: 6. 1962 syn. sec. Doweld (2002)

= *Platyopuntia soehrensii* var. *grandiflora* F.Ritter, Kakteen Südamerika 2: 501. 1980 syn. sec. Kew WCV (2019)

= *Platyopuntia soehrensii* var. *transiens* F.Ritter, Kakteen Südamerika 3: 888. 1980 syn. sec. Kew WCV (2019)

***Airampoa boliviensis* (Backeb.) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)

≡ *Opuntia boliviensis* Backeb., Kaktus-ABC: 128, 411. 1936 ["1935"] syn. sec. Doweld (2002)

***Airampoa cedergreniana* (Backeb.) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)

≡ *Opuntia cedergreniana* Backeb., Kaktus-ABC: 411. 1936 ["1935"] syn. sec. Doweld (2002)

***Airampoa chilensis* (F.Ritter) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)

≡ *Platyopuntia chilensis* F.Ritter, Kakteen Südamerika 3: 889. 1980 syn. sec. Doweld (2002) ≡ *Tunilla chilensis* (F.Ritter) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000 syn. sec. Doweld (2002)

= *Opuntia alcerrecensis* Iliff in Cactaceae Consensus Init. 2: 9. 1997 syn. sec. Doweld (2002)

***Airampoa corrugata* (Salm-Dyck) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)

≡ *Opuntia corrugata* Salm-Dyck, Hort. Dyck.: 360. 1834 ≡ *Opuntia corrugata* Hort. Angl. ex Otto in Allg. Gartenzeitung 1: 367. 1833 ≡ *Cactus corrugatus* (Salm-Dyck) Lem., Cactées: 88. 1868 ≡ *Tephrocactus corrugatus* (Salm-Dyck) Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 41. 1935 ≡ *Tephrocactus corrugatus* (Salm-Dyck) Backeb., Kaktus-ABC: 113. 1936 ["1935"] ≡ *Opuntia corrugata* (Salm-Dyck) Backeb. in Cactus (Paris) 38: 250. 1953 ≡ *Opuntia longispina* var. *corrugata* (Salm-Dyck) Backeb. in Cactus (Paris) 38: 250. 1953

= *Opuntia longispina* Haw. in Philos. Mag. Ann. Chem. 7: 111. 1830 syn. sec. Kew WCV (2019)

- = *Opuntia eburnea* Lem., Cact. Aliq. Nov.: 35. 1838 syn. sec. Doweld (2002)
 = *Opuntia parmentieri* Pfeiff. in Allg. Gartenzeitung 6: 276. 1838 syn. sec. Kew WCVP (2019)
 = *Opuntia retrospinosa* Lem., Cact. Aliq. Nov.: 35. 1838 syn. sec. Kew WCVP (2019)
 = *Echinocactus corrugatus* (Gillies ex Loudon) Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Britton & Rose (1922) ≡ *Platyopuntia corrugata* (Gillies ex Loudon) F.Ritter, Kakteen Südamerika 2: 410. 1980, nom. illeg. syn. sec. Doweld (2002) ≡ *Tunilla corrugata* (Gillies ex Loudon) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000 syn. sec. Doweld (2002) – *Cactus corrugatus* Gillies ex Loudon, Hort. Brit.: 194. 1830, nom. nud. syn. sec. Hunt & Iliff (2000)
 = *Opuntia corrugata* var. *monvillei* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 72. 1850 syn. sec. Kew WCVP (2019)
 = *Opuntia eborina* C.F.Först. ex Haage, Verz. Cact.: 29. 1864 syn. sec. Kew WCVP (2019)
 = *Tephrocactus retrospinus* Lem., Cactées: 88. 1868 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus retrospinus* Lem. ex C.F.Först., Handb. Cacteenk., ed. 2: 911. 1885 syn. sec. Korotkova (2021) ≡ *Tephrocactus retrospinus* Lem. ex C.F.Först., Handb. Cacteenk., ed. 2: 911. 1885 syn. sec. Kew WCVP (2019)
 = *Opuntia aulacothele* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 392. 1904 syn. sec. Doweld (2002)
 = *Opuntia corrugata* var. *brevispina* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Doweld (2002) ≡ *Opuntia corrugata* subsp. *brevispina* (Backeb.) Mottram in Tephrocactus Study Group 10: 56. 2004
 = *Opuntia corrugata* var. *flavidispina* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Doweld (2002)
 = *Opuntia corrugata* var. *intermedia* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Doweld (2002)
 = *Opuntia longispina* var. *brevispina* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Kew WCVP (2019)
 = *Opuntia longispina* var. *flavidispina* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Kew WCVP (2019)
 = *Opuntia longispina* var. *intermedia* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Kew WCVP (2019)
 = *Opuntia longispina* var. *agglomerata* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)
- Airampoa erectoclada* (Backeb.) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia erectoclada* Backeb., Kaktus-ABC: 128, 411. 1936 ["1935"] syn. sec. Doweld (2002) ≡ *Tunilla erectoclada* (Backeb.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000 syn. sec. Doweld (2002) ≡ *Tephrocactus erectocladus* (Backeb.) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Korotkova (2021)
 = *Opuntia multiareolata* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)
- Airampoa ianthinantha* (F.Ritter) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)
 ≡ *Platyopuntia ianthinantha* F.Ritter, Kakteen Südamerika 2: 413. 1980 syn. sec. Doweld (2002) ≡ *Opuntia ianthinantha* (F.Ritter) Iliff in Cactaceae Consensus Init. 2: 8. 1997 syn. sec. Doweld (2002) ≡ *Tunilla ianthinantha* (F.Ritter) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 10. 2000 syn. sec. Doweld (2002)
- Airampoa microdisca* (F.A.C.Weber) Doweld in Turczaninowia 5: 29. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia microdisca* F.A.C.Weber in Bois, Dict. Hort.: 896. 1898 syn. sec. Doweld (2002) ≡ *Platyopuntia microdisca* (F.A.C.Weber) F.Ritter, Kakteen Südamerika 2: 408. 1980 syn. sec. Doweld (2002) ≡ *Tunilla microdisca* (F.A.C.Weber) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Doweld (2002) ≡ *Tephrocactus microdiscus* (F.A.C.Weber) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Korotkova (2021)
 = *Opuntia calantha* Griffiths in Bull. Torrey Bot. Club 43: 524. 1916 syn. sec. Kew WCVP (2019)
 = *Airampoa aurata* Frič, Neue Kakt. Sudamer. Hochgeb.: 1. 1929 syn. sec. Doweld (2002)
 = *Opuntia laetevirens* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)
- Airampoa minuscula* (Backeb.) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)
 ≡ *Tephrocactus minusculus* Backeb., Kaktus-ABC: 109, 410. 1936 ["1935"] syn. sec. Doweld (2002) ≡ *Opuntia minuscula* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Doweld (2002) ≡ *Tunilla minuscula* (Backeb.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Doweld (2002)
- Airampoa orurensis* (Cárdenas) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia orurensis* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 112, f. 75–76. 1956 syn. sec. Doweld (2002) ≡ *Platyopuntia orurensis* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 502. 1980 syn. sec. Doweld (2002) ≡ *Tunilla orurensis* (Cárdenas) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Doweld (2002)
- Airampoa panellana* (Backeb.) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia armata* var. *panellana* Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Doweld (2002) ≡ *Opuntia panellana* (Backeb.) Backeb., Cactaceae 6: 3619. 1962 syn. sec. Doweld (2002)
- Airampoa picardoi* (Marn.-Lap.) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia picardoi* Marn.-Lap. in Cactus (Paris) 66: 4. 1960 syn. sec. Doweld (2002) ≡ *Tunilla picardoi* (Marn.-Lap.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Doweld (2002)
 = *Opuntia obliqua* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)
 = *Tunilla picardoi* Marn.-Lap. ex Guiggi & Delanoy in Haseltonia 12: 13. 2007 ["2006"] syn. sec. Doweld (2002)
- Airampoa silvestris* (Backeb.) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)
 ≡ *Opuntia silvestris* Backeb. in Cact. J. (Croydon) 1: 7. 1932 syn. sec. Hunt (2016) ≡ *Tephrocactus silvestris* (Backeb.) Backeb., Kaktus-ABC: 109, 410. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia minuscula* var. *silvestris* (Backeb.) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 95. 1967 syn. sec. Doweld (2002) ≡ *Tunilla silvestris* (Backeb.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000 syn. sec. Hunt (2016)

***Airampoa tilcarensis* (Backeb.) Doweld in Turczaninowia 5: 30. 2002.** Sec. Doweld (2002)

- ≡ *Opuntia tilcarensis* Backeb., Kaktus-ABC: 128, 411. 1936 ["1935"] ≡ *Platyopuntia soehrensii* var. *tilcarensis* (Backeb.) F.Ritter, Kakteen Südamerika 2: 412. 1980 ≡ *Tunilla tilcarensis* (Backeb.) D.R.Hunt & Iliff in Cactaceae Syst. Init. 9: 11. 2000
 ≡ *Tephrocactus tilcarensis* (Backeb.) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006
 = *Opuntia tilcarensis* var. *rubellispina* Backeb. in Cactus (Paris) 75: 32. 1962 syn. sec. Doweld (2002)

***Aporocactus* Lem., Ill. Hort. Misc. 7: 67. 1860.** Sec. Korotkova & al. (2017)

Type: *Aporocactus flagelliformis* (L.) Lem.

Notes. – Used to be included in *Disocactus* Lindl. in recent treatments (Barthlott 1991; Barthlott & Hunt 1993; Kimmach 1993). Cruz & al. (2016), in their phylogenetic study of *Disocactus*, found the two *Aporocactus* species to be not closely related to *Disocactus* but to form a separate well-supported lineage within *Hylocereeae*. Therefore, *Aporocactus* was reinstated. Two species are recognized in recent taxonomic treatments, however there are doubts about the identity of some published names (see below). Consequently, an approximation is required in the delimitation of species. [Arias (2021)]

***Aporocactus flagelliformis* (L.) Lem., Ill. Hort. Misc. 7: 67. 1860.** Sec. Korotkova & al. (2017)

- ≡ *Cactus flagelliformis* L., Sp. Pl.: 467. 1753 syn. sec. Korotkova & al. (2017) ≡ *Cereus flagelliformis* (L.) Mill., Gard. Dict., ed. 8: Cereus No. 12. 1768 syn. sec. Korotkova & al. (2017) ≡ *Disocactus flagelliformis* (L.) Barthlott in Bradleya 9: 87. 1991 syn. sec. Korotkova & al. (2017)
 = *Cereus leptophis* DC. in Mém. Mus. Hist. Nat. 17: 117. 1828 syn. sec. Korotkova & al. (2017) ≡ *Cereus flagelliformis* var. *leptophis* (DC.) K.Schum., Gesamtbeschr. Kakt.: 143. 1897 syn. sec. Kew WCVP (2019) ≡ *Aporocactus leptophis* (DC.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 435. 1909 syn. sec. Korotkova & al. (2017) ≡ *Aporocactus flagelliformis* var. *leptophis* (DC.) P.V.Heath in Calyx 2: 60. 1992 syn. sec. Korotkova & al. (2017)
 = *Cereus flagelliformis* var. *minor* Salm-Dyck, Hort. Dyck.: 64. 1834 syn. sec. Kew WCVP (2019)
 = *Cereus flagelliformis* var. *minor* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 111. 1837 syn. sec. Kew WCVP (2019)
 = *Cereus flagriformis* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 111. 1837 syn. sec. Korotkova & al. (2017) ≡ *Aporocactus flagriformis* (Zucc. ex Pfeiff.) Lem., Cactées: 58. 1868 syn. sec. Korotkova & al. (2017) ≡ *Aporocactus flagriformis* (Zucc. ex Pfeiff.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 435. 1909 syn. sec. Korotkova & al. (2017) ≡ *Disocactus flagriformis* (Zucc. ex Pfeiff.) Scheinvar, Fl. Cactológ. Est. Querétaro: 156. 2004 syn. sec. Korotkova & al. (2017) – *Disocactus flagriformis* (Zucc. ex Pfeiff.) Scheinvar, Fl. Cactológ. Est. Querétaro: 156. 2004 syn. sec. TPL (2013) [is misspelling for *Disocactus flagriformis* (Zucc. ex Pfeiff.) Scheinvar]
 = *Cereus minor* Weing. in Monatsschr. Kakteenk. 18: 49. 1908 syn. sec. Britton & Rose (1920)
 = *Aporocactus flagelliformis* var. *pfeifferi* P.V.Heath in Calyx 2: 60. 1992 syn. sec. Korotkova & al. (2017)

***Aporocactus martianus* (Zucc.) Britton & Rose, Cactaceae 2: 220. 1920.** Sec. Korotkova & al. (2017)

- ≡ *Cereus martianus* Zucc. in Flora 15(2), Beibl: 66. 1832 syn. sec. Korotkova & al. (2017) ≡ *Eriocereus martianus* (Zucc.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 240. 1909 syn. sec. Korotkova & al. (2017) ≡ *Disocactus martianus* (Zucc.) Barthlott in Bradleya 9: 88. 1991 syn. sec. Korotkova & al. (2017)
 = *Cereus martianus* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 110. 1837 syn. sec. Kew WCVP (2019)
 = *Aporocactus conzattii* Britton & Rose, Cactaceae 2: 220. 1920 syn. sec. Korotkova & al. (2017) ≡ *Cereus conzattii* (Britton & Rose) A.Berger, Kakteen: 110. 1929 syn. sec. Korotkova & al. (2017) ≡ *Aporocactus martianus* var. *conzattii* (Britton & Rose) P.V.Heath in Calyx 2: 60. 1992 syn. sec. Korotkova & al. (2017)

***Aporocactus ×moennighoffii* (D.F.Fisch.) Borg, Cacti, ed. 1: 171. 1937**

- ≡ *Cereus moennighoffii* D.F.Fisch. in Monatsschr. Kakteenk. 15: 143. 1905 ≡ *Aporocactus moennighoffii* (D.F.Fisch.) Borg, Cacti, ed. 1: 171. 1937 syn. sec. TPL (2013) – *Cereus moennighoffii* D.F.Fisch. in Monatsschr. Kakteenk. 15: 143. 1905 [is misspelling for *Cereus moennighoffii* D.F.Fisch.]

Notes. – *Aporocactus martianus* Britton & Rose × *Aporocactus flagelliformis* Lem. [Arias (2021)]

***Ariocarpus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 491. 1838.** Sec. Vázquez-Sánchez & al. (2013)

Type: *Ariocarpus retusus* Scheidw.

- = *Anhalonium* Lem., Cact. Gen. Sp. Nov.: 1. 1839 syn. sec. Tropicos. Type: *Anhalonium prismaticum* Lem.
 = *Stromatocactus* Karw. ex Rümpler, Handb. Cacteenk., ed. 2: 229. 1885 syn. sec. Kew WCVP (2019). Type: *Stromatocactus kotschoubeyi* Karw. ex Rümpler
 – *Stromatocarpus*, nom. inval. syn. sec. Berendsohn
 = *Neogomesia* Castañeda in Cact. Succ. J. (Los Angeles) 13: 98. 1941 syn. sec. Hunt (2006). Type: *Neogomesia agavoides* Castañeda
 = *Roseocactus* A.Berger in J. Wash. Acad. Sci. 15: 45 syn. sec. Hunt (2006). Type: *Roseocactus fissuratus* (Engelm.) A.Berger

Notes. – **Phylogenetics:** The monophyly of *Ariocarpus* was repeatedly confirmed (Butterworth & al. 2002; Bárcenas & al. 2011; Hernández-Hernández & al. 2011; Vázquez-Sánchez & al. 2013). [Hernández-Ledesma & al. (2015)]

***Ariocarpus agavoides* (Castañeda) E.F.Anderson in Amer. J. Bot. 49: 615. 1962.** Sec. Hernández & Gómez-Hinostrosa (2011)

- ≡ *Neogomesia agavoides* Castañeda in Cact. Succ. J. (Los Angeles) 13: 99. 1941 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus kotschoubeyanus* subsp. *agavoides* (Castañeda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 35. 1998 syn. sec. Guzmán Cruz & al. (2003)

- = *Ariocarpus agavoides* subsp. *pulcher* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 10: 149. 2003 syn. sec. Kew WCVP (2019)
- = *Ariocarpus agavoides* subsp. *sanluisensis* Sotom., Arred., Sánchez Barra & Mart.Mend. in Brit. Cact. Succ. J. 21: 100. 2003 syn. sec. Kew WCVP (2019)
- Ariocarpus bravoanus* H.M.Hern. & E.F.Anderson in Bradleya 10: 1. 1992.** Sec. Hunt (2016)
- ≡ *Ariocarpus kotschoubeyanus* subsp. *bravoanus* (H.M.Hern. & E.F.Anderson) Halda in Acta Mus. Richnov., Sect. Nat., 5: 35. 1998 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus fissuratus* subsp. *bravoanus* (H.M.Hern. & E.F.Anderson) Lüthy in Kakteen And. Sukk. 50: 278. 1999 syn. sec. Guzmán Cruz & al. (2003)
- Ariocarpus bravoanus* subsp. *bravoanus*.** Sec. Hunt (2016)
- Ariocarpus bravoanus* subsp. *hintonii* (Stuppy & N.P.Taylor) E.F.Anderson & W.A.Fitz Maur. in Haseltonia 5: 11. 1998.** Sec. Hunt (2016)
- ≡ *Ariocarpus fissuratus* var. *hintonii* Stuppy & N.P.Taylor in Bradleya 7: 84. 1989 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus fissuratus* subsp. *hintonii* (Stuppy & N.P.Taylor) Halda in Acta Mus. Richnov., Sect. Nat., 5: 36. 1998 syn. sec. Tropicos
- Ariocarpus ×drabi* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 33. 2000.** Sec. WFO 2019
- Ariocarpus ×dubeniorum* Halda & Malina in Acta Mus. Richnov., Sect. Nat., 9(1): 52. 2002.** Sec. WFO 2019
- Ariocarpus fissuratus* (Engelm.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 195. 1894.** Sec. Hernández & Gómez-Hinostroza (2011)
- ≡ *Mammillaria fissurata* Engelm., Syn. Cact. U. S.: 14. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Anhalonium fissuratum* (Engelm.) Engelm., Descr. Cact.: 75. 1856 ≡ *Roseocactus fissuratus* (Engelm.) A.Berger in J. Wash. Acad. Sci. 15(3): 46. 1925 syn. sec. Tropicos ≡ *Ariocarpus fissuratus* subsp. *fissuratus* ≡ *Ariocarpus fissuratus* var. *fissuratus*
- = *Anhalonium engelmannii* Lem., Cactées: 42. 1868 syn. sec. Tropicos
- = *Ariocarpus lloydii* Rose in Contr. U.S. Natl. Herb. 13: 308. 1911 syn. sec. Hunt (2016) ≡ *Roseocactus lloydii* (Rose) A.Berger in J. Wash. Acad. Sci. 15(3): 43. 1925 syn. sec. Tropicos ≡ *Ariocarpus fissuratus* var. *lloydii* (Rose) W.T.Marshall in Marshall & Bock, Cactaceae: 135. 1941 syn. sec. Tropicos ≡ *Ariocarpus fissuratus* subsp. *lloydii* (Rose) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003 syn. sec. Tropicos
- = *Ariocarpus lloydii* var. *mayor* Frič in Život v Přír. 29(1): 15. 1925 syn. sec. Vázquez-Sánchez & al. (2013)
- = *Roseocactus intermedius* Backeb. & Kilian in Kakteen And. Sukk. 11: 149. 1960 syn. sec. Kew WCVP (2019)
- = *Ariocarpus fissuratus* subsp. *pailanus* Halda in Acta Mus. Richnov., Sect. Nat., 5(5): 184. 1998 syn. sec. Hunt (2016)
- *Roseocactus fissuratus* A.Berger in J. Wash. Acad. Sci. 15: 46. 1925 syn. sec. TPL (2013) [is misspelling for *Roseocactus fissuratus* (Engelm.) A.Berger]
- Ariocarpus kotschoubeyanus* (Lem.) K.Schum., Nat. Pflanzenfam. Nachtr. 1: 259. 1897.** Sec. Hernández & Gómez-Hinostroza (2011)
- ≡ *Anhalonium kotschoubeyanum* Lem. in Cels Cat., Bull. Cercle Conf. Hort. Dép. Seine: [unpaged?]. 1842 syn. sec. Guzmán Cruz & al. (2003) ≡ *Roseocactus kotschoubeyanus* (Lem.) A.Berger in J. Wash. Acad. Sci. 15(3): 48. 1925 syn. sec. Guzmán Cruz & al. (2003)
- = *Cactus kotschoubeyi* Karw., Hort. Universel 6: 63. 1845 syn. sec. Britton & Rose (1922)
- = *Anhalonium kotschubeyi* Lem. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 5. 1850 syn. sec. Kew WCVP (2019)
- = *Anhalonium sulcatum* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 5. 1850 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Ariocarpus sulcatus* (Salm-Dyck) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 195. 1894 syn. sec. Vázquez-Sánchez & al. (2013)
- = *Anhalonium fissipedum* Monv. ex C.F.Först., Handb. Cacteenk., ed. 2: 232. 1885 syn. sec. Kew WCVP (2019)
- = *Ariocarpus rotchubeyanus* Cobbold in J. Hort. Home Farm. III. 46: 332. 1903 syn. sec. Kew WCVP (2019)
- = *Ariocarpus macdowellii* W.T.Marshall in Marshall & Bock, Cactaceae: 135. 1941 syn. sec. Guzmán Cruz & al. (2003) ≡ *Roseocactus kotschoubeyanus* subsp. *macdowellii* Backeb. in Blätt. Sukkulenteenk. 1: 8. 1949 syn. sec. Guzmán Cruz & al. (2003) ≡ *Roseocactus kotschoubeyanus* var. *macdowellii* (Backeb.) Backeb., Cactaceae 5: 3075. 1961 syn. sec. Guzmán Cruz & al. (2003)
- = *Ariocarpus kotschoubeyanus* var. *elephantidens* Skarupke in Stachelpost 9: 33. 1973 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus kotschoubeyanus* subsp. *elephantidens* Halda in Acta Mus. Richnov., Sect. Nat., 5: 185. 1998 syn. sec. Guzmán Cruz & al. (2003)
- = *Ariocarpus kotschoubeyanus* subsp. *albiflorus* (Backeb.) Glass, Guía Identific. Cact. Amenazadas México: Ar/ko ssp. albiflorus. 1997 ["1998"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus kotschoubeyanus* var. *albiflorus* Backeb. ex Glass syn. sec. Guzmán Cruz & al. (2003) ≡ *Roseocactus kotschoubeyanus* var. *albiflorus* Backeb. syn. sec. Anderson (1963)
- = *Ariocarpus kotschoubeyanus* subsp. *sladkovskyi* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 5: 185. 1998 syn. sec. Guzmán Cruz & al. (2003)
- = *Ariocarpus kotschoubeyanus* subsp. *tulensis* Halda in Acta Mus. Richnov., Sect. Nat., 5: 35. 1998 syn. sec. Kew WCVP (2019)
- = *Ariocarpus kotschoubeyanus* subsp. *neotulensis* Halda in Acta Mus. Richnov., Sect. Nat., 9: 51. 2002 syn. sec. Kew WCVP (2019)
- = *Ariocarpus kotschoubeyanus* subsp. *skarupkeanus* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 9: 3. 2002 syn. sec. Kew WCVP (2019)
- *Stromatocactus kotschoubeyi* Karw. ex Rümpler, Handb. Cacteenk., ed. 2: 232. 1885, nom. inval. syn. sec. Kew WCVP (2019)
- *Stromatocarpus kotschoubeyi* Karw. ex Rümpler, Handb. Cacteenk., ed. 2: 232. 1885, nom. inval. syn. sec. IPNI: 20 mar 2021

***Ariocarpus ×nelissae* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 150. 2003.** Sec. WFO 2019

***Ariocarpus retusus* Scheidw., Bull. Acad. Roy. Sci. Bruxelles 5: 492, t. 1. 1838.** Sec. Hernández & Gómez-Hinostroza (2011)

≡ *Anhalonium retusum* (Scheidw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 15. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡

Ariocarpus retusus subsp. *retusus*

= *Anhalonium prismaticum* Lem., Cact. Gen. Sp. Nov.: 1. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria prismatica* (Lem.) Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 519. 1880 syn. sec. Tropicos ≡ *Cactus prismaticus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Ariocarpus prismaticus* (Lem.) Cobbold in J. Hort. Home Farm. III. 46: 332. 1903 syn. sec. Tropicos

= *Anhalonium elongatum* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 15. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus elongatus* (Salm-Dyck) Wettstein in Kakteenkunde 1933: 13. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus elongatus* (Salm-Dyck) M.Lee in Cact. Succ. J. (Los Angeles) 9: 71. 1937 syn. sec. Hunt (2016) ≡ *Ariocarpus trigonus* var. *elongatus* (Salm-Dyck) Backeb., Cactaceae 5: 3087. 1961 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria procerca* Ehrenb. in Allg. Gartenzeitung 17: 241. 1849 syn. sec. Tropicos ≡ *Cactus procerus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Anhalonium areolosum* Lem. in Ill. Hort. 6(Misc.): 35. 1859 syn. sec. Kew WCVP (2019) ≡ *Mammillaria areolosa* (Lem.) Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 503. 1880 syn. sec. Tropicos ≡ *Cactus areolosus* (Lehm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Anhalonium pulvilligerum* Lem. in Ill. Hort. 16(Misc.): 72. 1869 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Ariocarpus pulvilligeris* (Lem.) K.Schum. in Bot. Jahrb. Syst. 24(5): 550. 1898 syn. sec. Vázquez-Sánchez & al. (2013)

= *Mammillaria pulvilligera* Monv. ex Rümpler, Handb. Cacteenk., ed. 2: 231. 1885 syn. sec. Kew WCVP (2019)

= *Mammillaria furfuracea* S.Watson in Proc. Amer. Acad. Arts 25: 150. 1890 syn. sec. Guzmán Cruz & al. (2003) ≡ *Anhalonium furfuraceum* (S.Watson) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 130. 1894 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus furfuraceus* (S.Watson) H.S.Thomps. in Rep. (Annual) Missouri Bot. Gard. 9: 130. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡

Ariocarpus retusus var. *furfuraceus* (S.Watson) G.Frank in Krainz, Kakteen 63: CVIIIb. 1975 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria purpurea* S.Watson in Proc. Amer. Acad. Arts 25: 150. 1890 syn. sec. Kew WCVP (2019)

= *Ariocarpus furfuraceus* f. *crystata* Frič in Život v Přir. 29(4): 14. 1925 syn. sec. Kew WCVP (2019)

= *Ariocarpus prismaticus* var. *maior* Frič in Život v Přir. 29: 9. 1925 syn. sec. WFO 2019

= *Ariocarpus prismaticus* var. *minor* Frič in Život v Přir. 29: 9. 1925 syn. sec. WFO 2019

= *Ariocarpus furfuraceus* var. *rostratus* A.Berger, Kakteen: 334. 1929 syn. sec. Kew WCVP (2019)

= *Ariocarpus confusus* Halda & Horáček in Cactaceae etc. 7: 1. 1997 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ariocarpus retusus* subsp. *confusus* (Halda & Horáček) Lüthy in Kakteen And. Sukk. 50: 278. 1999 syn. sec. Guzmán Cruz & al. (2003)

= *Ariocarpus retusus* subsp. *scapharostroides* Halda & Horáček in Cactaceae etc. 7: 97. 1997 syn. sec. Hunt (2016)

= *Ariocarpus retusus* subsp. *horacekii* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 5: 163. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Ariocarpus retusus* subsp. *jarmilae* Halda, Horáček & Panar. in Acta Mus. Richnov., Sect. Nat., 5: 162. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Ariocarpus retusus* subsp. *panarottoi* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 5: 163. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Ariocarpus retusus* subsp. *sladkovskyi* Halda & Kupčák in Acta Mus. Richnov., Sect. Nat., 7: 33. 2000 syn. sec. Guzmán Cruz & al. (2003)

– *Ariocarpus retusus* subsp. *pectinatus* Weisbarth in Kakteen And. Sukk. 54: 291. 2003, nom. inval. syn. sec. Kew WCVP (2019)

***Ariocarpus scaphirostris* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 60. 1930.** Sec. Hernández & Gómez-Hinostroza (2011)

– *Ariocarpus scaphirostris* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 60. 1930 syn. sec. Guzmán Cruz & al. (2003) [is misspelling for *Ariocarpus scaphirostris* Boed.]

= *Ariocarpus scaphirostris* var. *swoboda* Halda, Horáček & Panar. in Acta Mus. Richnov., Sect. Nat., 5: 163. 1998 syn. sec. Guzmán Cruz & al. (2003)

***Ariocarpus trigonus* (F.A.C.Weber) K.Schum. in Bot. Jahrb. Syst. 24(5): 550. 1898.** Sec. Hernández & Gómez-Hinostroza (2011)

≡ *Anhalonium trigonum* F.A.C.Weber in Bois, Dict. Hort.: 90. 1893 syn. sec. Hunt (2006) ≡ *Ariocarpus retusus* subsp. *trigonum* (F.A.C.Weber) E.F.Anderson & W.A.Fitz Maur. in Haseltonia 5: 18. 1998 syn. sec. Hunt (2006)

= *Ariocarpus trigonus* var. *minor* Voldan in Kaktusy (Brno) 12: 3. 1976 syn. sec. Tropicos

= *Ariocarpus trigonus* var. *horacekii* Halda in Cactaceae etc. 7: 97. 1997 syn. sec. Tropicos ≡ *Ariocarpus elongatus* subsp. *horacekii* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 36. 1998 syn. sec. Tropicos

***Armatocereus* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938.** Sec. Hunt (2006)

Type: *Armatocereus laetus* (Kunth) Backeb.

***Armatocereus cartwrightianus* (Britton & Rose) Backeb. ex A.W.Hill, Index Kew.: 25. 1938.** Sec. Hunt (2006)

≡ *Lemaireocereus cartwrightianus* Britton & Rose, Cactaceae 2: 100, f. 147–148. 1920 syn. sec. Hunt (2006) ≡ *Cereus cartwrightianus* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 77. 1931 syn. sec. Hunt (2006) ≡ *Armatocereus cartwrightianus* Backeb., Kaktus-ABC: 176. 1936 ["1935"] syn. sec. Hunt (2006)

- = *Armatocereus cartwrightianus* var. *longispinus* Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Hunt (2006)
 = *Armatocereus mocupensis* H.Johnson syn. sec. Tropicos
- Armatocereus godingianus* (Britton & Rose) Backeb. ex E.Salisb., Index Kew.: 20. 1947.** Sec. Hunt (2006)
 ≡ *Lemaireocereus godingianus* Britton & Rose, Cactaceae 2: 91–92, f. 134. 1920 syn. sec. Hunt (2006) ≡ *Armatocereus godingianus* (Britton & Rose) Backeb. in Blätt. Kakteenf. 1938(3): 3. 1938 syn. sec. Hunt (2006)
- Armatocereus godingianus* subsp. *brevispinus* (Madsen) D.R.Hunt in Cactaceae Syst. Init. 14: 9. 2002.** Sec. Hunt (2016)
 ≡ *Armatocereus brevispinus* Madsen, Fl. Ecuador 35: 9. 1989 syn. sec. Hunt (2016)
- Armatocereus godingianus* subsp. *godingianus*.** Sec. Hunt (2006)
- Armatocereus laetus* (Kunth) Backeb., Kaktus-ABC: 176. 1936 ["1935"].** Sec. Hunt (2006)
 ≡ *Cactus laetus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 68. 1823 syn. sec. Hunt (2006) ≡ *Cereus laetus* (Kunth) DC., Prodr. 3: 466. 1828 syn. sec. Hunt (2006) ≡ *Lemaireocereus laetus* (Kunth) Britton & Rose in J. New York Bot. Gard. 20: 157. 1919 syn. sec. Korotkova (2021) ≡ *Armatocereus laetus* (Kunth) Backeb. ex A.W.Hill, Index Kew. 25. 1991 syn. sec. Tropicos: 19 aug 2020
 = *Armatocereus jungo* Backeb. in Blätt. Kakteenf. 1935(1): 7. 1935 syn. sec. Kew WCVP (2019)
 = *Armatocereus oligogonus* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Armatocereus ghiesbreghtii* var. *oligogonus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1275. 1981 syn. sec. Kew WCVP (2019)
 = *Armatocereus neolaetus* Y.Itô, Cactaceae: 174. 1981 syn. sec. WFO 2019
- Armatocereus matucanensis* Backeb. ex A.W.Hill in Index Kew.: 25. 1938.** Sec. Hunt (2006)
 ≡ *Lemaireocereus matucanensis* (Backeb.) W.T.Marshall, Cact. Ill. Keys: 82. 1941 syn. sec. Kew WCVP (2019) – *Armatocereus matucanensis* Backeb., Kaktus-ABC: 176. 1936 ["1935"], nom. inval. syn. sec. Hunt (2006)
 = *Armatocereus arboreus* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"] syn. sec. Hunt (2016)
 = *Armatocereus churiniensis* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"] syn. sec. Hunt (2016)
 = *Armatocereus mataranus* F.Ritter in Succulenta (Netherlands) 46: 23. 1967 syn. sec. Hunt (2016)
 = *Armatocereus mataranus* var. *ancashensis* F.Ritter, Kakteen Südamerika 4: 1276. 1981 syn. sec. Hunt (2016) ≡ *Armatocereus mataranus* subsp. *ancashensis* (F.Ritter) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Hunt (2016)
 = *Armatocereus rupicola* F.Ritter, Kakteen Südamerika 4: 1278. 1981 syn. sec. Hunt (2016)
- Armatocereus procerus* Rauh & Backeb. in Cactus (Paris) 51: 95. 1956.** Sec. Hunt (2006)
 ≡ *Armatocereus procerus* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"] syn. sec. Hunt (2006)
 = *Armatocereus confusus* F.Ritter, Kakteen Südamerika 4: 1276. 1981 syn. sec. Tropicos
 = *Armatocereus procerus* var. *armatus* F.Ritter, Kakteen Südamerika 4: 1277. 1981 syn. sec. Kew WCVP (2019)
- Armatocereus rauhii* Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"].** Sec. Hunt (2006)
 = *Armatocereus maranionensis* Krainz & F.Ritter syn. sec. WFO 2019
- Armatocereus rauhii* subsp. *balsasensis* (F.Ritter) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998.** Sec. Hunt (2006)
 ≡ *Armatocereus balsasensis* F.Ritter, Kakteen Südamerika 4: 1271–1272. 1981 syn. sec. Hunt (2016) ≡ *Armatocereus rauhii* var. *balsasensis* F.Ritter syn. sec. TPL (2013)
 = *Armatocereus arduus* F.Ritter, Kakteen Südamerika 4: 1271. 1981 syn. sec. Hunt (2016)
- Armatocereus rauhii* subsp. *rauhii*.** Sec. Hunt (2006)
- Armatocereus riomajensis* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"].** Sec. Hunt (2006)
- Arrojadoa* Britton & Rose, Cactaceae 2: 170. 1920.** Sec. Hunt (2016)
 Type: *Arrojadoa rhodantha* (Gürke) Britton & Rose
 = *Pierrebraunia* Esteves in Cact. Succ. J. (Los Angeles) 69: 296. 1997 syn. sec. Hunt (2006). Type: *Pierrebraunia bahiensis* (P.J.Braun & Esteves) Esteves
 = *Arrojadoopsis* Guiggi in Cactology 1: 26. 2007 syn. sec. Hunt (2006). Type: *Arrojadoopsis marylandiae* (Soares Filho & M.Machado) Guiggi
- Arrojadoa* × *albiflora* Buining & Brederoo in Succulenta (Netherlands) 54: 22. 1975.** Sec. Hunt (2016)
- Arrojadoa bahiensis* (P.J.Braun & Esteves) N.P.Taylor & Egli in Kew Bull. 49(1): 98. 1994 ["1993"].** Sec. Taylor & Zappi (2004)
 ≡ *Floribunda bahiensis* P.J.Braun & Esteves in Pabstia 4: 13. 1993 syn. sec. Taylor & Zappi (2004) ≡ *Pierrebraunia bahiensis* (P.J.Braun & Esteves) Esteves in Cact. Succ. J. (Los Angeles) 69(6): 296. 1997 syn. sec. Taylor & Zappi (2004)
- Arrojadoa dinae* Buining & Brederoo in Kakteen And. Sukk. 24: 99–101. 1973.** Sec. Taylor & Zappi (2004)
 = *Arrojadoa beatae* P.J.Braun & Esteves in Kakteen And. Sukk. 40: 254. 1989 syn. sec. Taylor & Zappi (2004)
 = *Arrojadoa dinae* var. *nana* P.J.Braun & Esteves in Kakteen And. Sukk. 42: 194. 1991 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa dinae* subsp. *nana* (P.J.Braun & Esteves) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 82. 1995 syn. sec. Taylor & Zappi (2004)
 = *Arrojadoa heimenii* Van Heek & W.Strecker in Kakteen And. Sukk. 50: 137. 1999 syn. sec. Taylor & Zappi (2004)
- Arrojadoa dinae* subsp. *dinae*.** Sec. Taylor & Zappi (2004)
- Arrojadoa dinae* subsp. *eriocaulis* (Buining & Brederoo) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997.** Sec. Taylor & Zappi (2004)
 ≡ *Arrojadoa eriocaulis* Buining & Brederoo in Kakteen And. Sukk. 24(11): 241. 1973 syn. sec. Taylor & Zappi (2004)

- = *Arrojadoa eriocaulis* var. *albicoronata* Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker in *Kakteen And. Sukk.* 33: 227. 1982 syn. sec. Hunt (2016) ≡ *Arrojadoa eriocaulis* subsp. *albicoronata* (Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 82. 1995 syn. sec. Hunt (2016) ≡ *Arrojadoa albicoronata* (Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker) P.J.Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 79: 262. 2007 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa eriocaulis* var. *rosenbergeriana* Van Heek & W.Strecker in *Kakteen And. Sukk.* 44: 262. 1993 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rosenbergeriana* (Van Heek & W.Strecker) P.J.Braun, Esteves & Van Heek in *Cact. Succ. J. (Los Angeles)* 79: 260. 2007 syn. sec. Taylor & Zappi (2004)
- Arrojadoa marylandiae* Soares Filho & M.Machado in *Brit. Cact. Succ. J.* 21: 114. 2003. Sec. Hunt (2016)**
 ≡ *Arrojadoopsis marylandiae* (Soares Filho & M.Machado) Guiggi in *Cactology* 1: 26. 2007 syn. sec. Hunt (2016)
- Arrojadoa multiflora* F.Ritter, *Kakteen Südamerika* 1: 89. 1979. Sec. Hunt (2016)**
- Arrojadoa penicillata* (Gürke) Britton & Rose, *Cactaceae* 2: 171, f. 243. 1920. Sec. Taylor & Zappi (2004)**
 ≡ *Cereus penicillatus* Gürke in *Monatsschr. Kakteenk.* 18: 70. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus penicillatus* (Gürke) Werderm., *Bras. Säulenkakt.*: 116. 1933 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa penicillata* var. *decumbens* Backeb. & Voll in *Arch. Jard. Bot. Rio de Janeiro* 9: 164. 1950 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa penicillata* var. *spinosior* Buining & Brederoo in *Succulentia* 59: 20. 1980 syn. sec. Taylor & Zappi (2004)
- Arrojadoa rhodantha* (Gürke) Britton & Rose, *Cactaceae* 2: 170–171. 1920. Sec. Taylor & Zappi (2004)**
 ≡ *Cereus rhodanthus* Gürke in *Monatsschr. Kakteenk.* 18: 69. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus rhodanthus* (Gürke) Werderm., *Repert. Spec. Nov. Regni Veg. Sonderbeih. C.* t. 44. 1932 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa aureispina* Buining & Brederoo in *Kakteen And. Sukk.* 23: 95. 1972 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rhodantha* subsp. *aureispina* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 81. 1995 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa canudosensis* Buining & Brederoo in *Cact. Succ. J. (Los Angeles)* 44: 111. 1972 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rhodantha* subsp. *canudosensis* (Buining & Brederoo) P.J.Braun in *Bradleya* 6: 90. 1988 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa theunisseniana* Buining & Brederoo in *Krainz, Kakteen* 52: CVb. 1973 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rhodantha* var. *theunisseniana* (Buining & Brederoo) P.J.Braun in *Bradleya* 6: 90. 1988 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa aureispina* var. *guanambensis* P.J.Braun & Heimen in *Kakteen And. Sukk.* 31: 337. 1980 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rhodantha* var. *guanambensis* (P.J.Braun & Heimen) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 81. 1995 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa horstiana* P.J.Braun & Heimen in *Kakteen And. Sukk.* 32(8): 189. 1981 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa rhodantha* subsp. *reflexa* P.J.Braun in *Kakteen And. Sukk.* 35: 38. 1983 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa rhodantha* var. *occibahiensis* P.J.Braun in *Kakteen And. Sukk.* 36: 115. 1985 syn. sec. Taylor & Zappi (2004)
- = *Arrojadoa aureispina* var. *anguinea* P.J.Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 60: 174. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa rhodantha* var. *anguinea* (P.J.Braun & Esteves) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 81. 1995 syn. sec. Taylor & Zappi (2004)
- Arthrocerus* A.Berger, *Kakteen*: 146, 337. 1929, nom. cons. Sec. Hunt (2016)**
 Type: *Cereus damazioi* K.Schum.
- Arthrocerus glaziovii* (K.Schum.) N.P.Taylor & Zappi in *Bradleya* 9: 85. 1991. Sec. Taylor & Zappi (2004)**
 ≡ *Cereus glaziovii* K.Schum., *Fl. Bras.* 4(2): 200. 1890 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus glaziovii* (K.Schum.) Britton & Rose, *Cactaceae* 2: 109–110. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Trichocereus glaziovii* (K.Schum.) Werderm., *Bras. Säulenkakt.*: 94. 1933 syn. sec. Tropicos ≡ *Echinopsis glaziovii* (K.Schum.) Molinari & Mayta in *Succulentopii* 14: 11. 2015 syn. sec. Kew WCVP (2019)
- = *Trichocereus campos-portoi* Werderm., *Bras. Säulenkakt.*: 94–95. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Arthrocerus campos-portoi* (Werderm.) Backeb. in *Blätt. Kakteenf.* 1935(4): 4. 1935 syn. sec. Taylor & Zappi (2004)
- = *Trichocereus damazioi* (K.Schum. ex Weing.) Werderm., *Bras. Säulenkakt.*: 94. 1933 syn. sec. Kew WCVP (2019) ≡ *Cereus damazioi* K.Schum. ex Weing. in *Monatsschr. Kakteenk.* 21: 91. 1911 syn. sec. Taylor & Zappi (2004) – *Cereus damazioi* K.Schum. in *Monatsschr. Kakteenk.* 13: 63. 1903, nom. nud. syn. sec. Kew WCVP (2019) – *Arthrocerus damazioi* (K.Schum.) P.V.Heath in *Calyx* 2: 65. 1992, nom. inval. syn. sec. Taylor & Zappi (2004)
- = *Arthrocerus itabiriticola* P.J.Braun in *Kakteen And. Sukk.* 37: 237. 1986 syn. sec. Taylor & Zappi (2004)
- Arthrocerus melanurus* (K.Schum.) Diers, P.J.Braun & Esteves in *Kakteen And. Sukk.* 38: 314. 1987. Sec. Taylor & Zappi (2004)**
 ≡ *Cereus melanurus* K.Schum., *Fl. Bras.* 4(2): 200. 1890 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus melanurus* (K.Schum.) Britton & Rose, *Cactaceae* 2: 109, f. 162. 1920 syn. sec. Taylor & Zappi (2004)
- = *Arthrocerus mello-barretoii* Backeb. & Voll in *Arch. Jard. Bot. Rio de Janeiro* 9: 157. 1949 syn. sec. Taylor & Zappi (2004) ≡ *Arthrocerus melanurus* subsp. *mello-barretoii* (Backeb. & Voll) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74(2): 82. 1995 syn. sec. Taylor & Zappi (2004)
- = *Arthrocerus melanurus* var. *estevesii* Diers & P.J.Braun in *Kakteen And. Sukk.* 39: 105. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Arthrocerus melanurus* subsp. *estevesii* (Diers & P.J.Braun) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 82. 1995 syn. sec. Taylor & Zappi (2004)

***Arthrocerus melanurus* subsp. *magnus* N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997. Sec. Taylor & Zappi (2004)**

***Arthrocerus melanurus* subsp. *melanurus*. Sec. Taylor & Zappi (2004)**

***Arthrocerus melanurus* subsp. *odorus* (F.Ritter) N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997. Sec. Taylor & Zappi (2004)**

≡ *Arthrocerus odorus* F.Ritter, *Kakteen Südamerika* 1: 225. 1979 syn. sec. Taylor & Zappi (2004)

= *Cereus parvisetus* Pfeiff., *Enum. Diagn. Cact.*: 79. 1837 syn. sec. Taylor & Zappi (2004) ≡ *Cleistocactus parvisetus* (Pfeiff.) F.A.C.Weber in Roland-Gosselin, *Cleistocactus*: 18. 1904 syn. sec. Britton & Rose (1920)

***Arthrocerus rondonianus* Backeb. & Voll in *Kakteenkunde* 1943 (Lfg. 1): 62. 1943. Sec. Taylor & Zappi (2004)**

***Arthrocerus spinosissimus* (Buining & Brederoo) F.Ritter, *Kakteen Südamerika* 1: 244. 1979. Sec. Hunt (2006)**

≡ *Eriocereus spinosissimus* Buining & Brederoo in *Kakteen And. Sukk.* 28: 49. 1977 syn. sec. Hunt (2006)

***Astrophytum* Lem., *Cact. Gen. Sp. Nov.*: 3-6. 1839. Sec. Vázquez-Lobo & al. (2015)**

Type: *Astrophytum myriostigma* Lem.

= *Maierocactus* E.C.Rost in *Z. Sukkulente* 2(8): 138-142. 1925 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Type: *Maierocactus capricornis* (A.Dietr.) E.C.Rost

– *Digitostigma* Velazco & Nevárez in *Cact. Suc. Mex.* 47: 79. 2002, nom. inval. syn. sec. Vázquez-Lobo & al. (2015). Type: *Digitostigma caput-medusae* Velazco & Nevárez

Notes. – **Phylogenetics:** Confirmed as monophyletic, including *Digitostigma*, therefore transfer of *Digitostigma* to *Astrophytum*, as previously suggested by Hunt (2003) is justified (Vázquez-Sánchez & al. 2013, Vázquez-Lobo & al. 2015). Based on those two studies, *Astrophytum* includes six species grouped into two clades. *A. caput-medusae* D.R.Hunt is recognized as the sister of *A. coahuilense* (H.Moeller) K.Kayser, *A. capricorne* (A.Dietr.) Britton & Rose, and *A. asterias* (Zucc.) Lem., while *A. myriostigma* Lem. and *A. coahuilense* form another independent clade. It is supported that *A. coahuilense* is not conspecific with *A. myriostigma*. [Arias (2021)]

***Astrophytum asterias* (Zucc.) Lem., *Cactées*: 50. 1868. Sec. Vázquez-Lobo & al. (2015)**

≡ *Echinocactus asterias* Zucc. in *Abh. Bayer. Akad. Wiss., Math.-Naturwiss. Abt.* 42: 13. 1845 syn. sec. Guzmán Cruz & al. (2003)

= *Astrophytum asterias* var. *magnipunctatum* Frič in *Život v Přír.* 29: 15. 1925 syn. sec. Kew WCVP (2019)

= *Astrophytum asterias* var. *multipunctatum* Frič in *Život v Přír.* 29: 9. 1925 syn. sec. Kew WCVP (2019)

= *Astrophytum asterias* var. *nudicarpa* Frič in *Život v Přír.* 29: 15. 1925 syn. sec. Kew WCVP (2019)

= *Astrophytum asterias* var. *roseiflorum* Frič in *Život v Přír.* 29: 9. 1925 syn. sec. Kew WCVP (2019)

= *Astrophytum asterias* var. *seminudum* Frič in *Život v Přír.* 29: 9. 1925 syn. sec. Kew WCVP (2019)

= *Echinocactus asterias* var. *nudus* H.Moeller in *Z. Sukkulente* 3: 54. 1927 syn. sec. Kew WCVP (2019)

= *Astrophytum asterias* var. *nudum* Y.Itô, *Cactaceae*: 508. 1981 syn. sec. Hunt (2016)

= *Astrophytum asterias* var. *pubescente* Y.Itô, *Cactaceae*: 508. 1981 syn. sec. Kew WCVP (2019)

***Astrophytum capricorne* (A.Dietr.) Britton & Rose, *Cactaceae* 3: 184-185. 1922. Sec. Vázquez-Lobo & al. (2015)**

≡ *Echinocactus capricornis* A.Dietr. in *Allg. Gartenzeitung* 19: 274. 1851 syn. sec. Guzmán Cruz & al. (2003) ≡ *Maierocactus capricornis* (A.Dietr.) E.C.Rost in *Z. Sukkulente* 2(8): 142. 1925 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus capricornis* var. *minor* Runge & Quehl in *Monatsschr. Kakteenk.* 2: 82. 1892 syn. sec. Kew WCVP (2019) ≡

Echinocactus capricornis f. *minor* (Runge & Quehl) Schelle, *Handb. Kakteenkult.*: 154. 1907 syn. sec. WFO 2019 ≡

Astrophytum capricorne f. *minus* (Runge & Quehl) A.F.Moeller in *Syaboten* 5: 103. 1934 syn. sec. Kew WCVP (2019)

= *Echinocactus capricornis* var. *major* Pichon in *Monatsschr. Kakteenk.* 19: 139. 1909 syn. sec. WFO 2019 ≡ *Astrophytum capricorne* f. *majus* (Pichon) A.F.Moeller in *Syaboten* 5: 103. 1934 syn. sec. Kew WCVP (2019)

= *Astrophytum capricorne* var. *major* Frič in *Život v Přír.* 29: 10. 1925 syn. sec. Hunt (2016)

= *Astrophytum capricorne* var. *minus* Frič in *Život v Přír.* 29: 10. 1925

= *Astrophytum capricorne* var. *orientale* Frič in *Život v Přír.* 29: 10. 1925

= *Astrophytum senile* Frič in *Život v Přír.* 29: 15. 1925 syn. sec. Hunt (2016) ≡ *Echinocactus capricornus* var. *senilis* Frič in *Z. Sukkulente* 2: 128. 1925 syn. sec. Guzmán Cruz & al. (2003) ≡ *Astrophytum capricorne* subsp. *senile* (Frič) Doweld in *Sukkulenty* 3: 36. 2000 syn. sec. Guzmán Cruz & al. (2003) – *Astrophytum senile* Frič in *Ceskoslov. Zahradn. Listy* 1924: 120. 1924, nom. inval.

= *Echinocactus capricornus* var. *aureus* H.Moeller in *Z. Sukkulente* 2: 128. 1925 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum senile var. *aureum* (H.Moeller) Backeb. in *Blätt. Kakteenf.* 1937(2): 2. 1937 syn. sec. WFO 2019

= *Echinocactus capricornis* var. *crassispinus* H.Moeller in *Z. Sukkulente* 2: 129. 1926 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum capricorne var. *crassispinum* (H.Moeller) Okum. in *Syaboten* 4: 175. 1933 ≡ *Astrophytum crassispinum*

(H.Moeller) W.Haage & Sadovsky in *Kakteen And. Sukk.* 9: 81. 1958 syn. sec. Guzmán Cruz & al. (2003) – *Astrophytum crassispinum* (H.Moeller) W.Haage & Sadovsky in *Kakteen And. Sukk.* 8: 137. 1957, comb. inval. syn. sec. TPL (2013)

= *Echinocactus capricornis* var. *niveus* K.Kayser in *Kakteenkunde* 1933: 32. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum niveum (K.Kayser) W.Haage & Sadovsky in *Kakteen And. Sukk.* 9: 81. 1958 syn. sec. TPL (2013) – *Astrophytum niveum* (K.Kayser) W.Haage & Sadovsky in *Kakteen And. Sukk.* 8: 137. 1957, comb. inval. syn. sec. Guzmán Cruz & al. (2003)

= *Astrophytum capricorne* subsp. *sanjuanense* Pavlíček in *Kaktusy (Brno)* 47: 5. 2011 syn. sec. Kew WCVP (2019)

***Astrophytum caput-medusae* D.R.Hunt in Cactaceae Syst. Init. 16: 4. 2003.** Sec. Vázquez-Lobo & al. (2015)

= *Digitostigma caput-medusae* Velazco & Nevárez in Cact. Suc. Mex. 47(4): 81. 2002, nom. inval. syn. sec. Vázquez-Lobo & al. (2015)

***Astrophytum coahuilense* (H.Moeller) K.Kayser in Kakteen-Freund 1: 59. 1932.** Sec. Vázquez-Lobo & al. (2015)

≡ *Echinocactus myriostigma* subsp. *coahuilensis* H.Moeller in Z. Sukkulentenk. 3: 54. 1927 syn. sec. Hunt (2006) ≡

?*Astrophytum myriostigma* subsp. *coahuilense* (H.Moeller) K.Kayser in Kakteen-Freund 1: 57. 1932 syn. sec. Arias (2021) ≡

Astrophytum myriostigma var. *coahuilense* (H.Moeller) K.Kayser in Borg, Cacti, ed. 1: 251. 1937 syn. sec. Arias (2021)

***Astrophytum myriostigma* Lem., Cact. Gen. Sp. Nov.: 4. 1839.** Sec. Vázquez-Lobo & al. (2015)

≡ *Echinocactus myriostigma* (Lem.) Salm-Dyck, Cact. Hort. Dyck.: 22. 1841 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus callicocche* Galeotti ex Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6(1): 88. 1839 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus inermis* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6(1): 88. 1839 syn. sec. Britton & Rose (1922)

= *Astrophytum depressum* Lawr. in Gard. Mag. (London) 17: 321. 1841 syn. sec. Kew WCVP (2019)

= *Cereus colicochus* Booth ex C.F.Först., Handb. Cacteenk.: 336. 1846 syn. sec. Kew WCVP (2019)

= *Astrophytum prismaticum* Lem., Cactées: 50. 1868 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus myriostigma* var. *columnaris* K.Schum., Gesamtbeschr. Kakt.: 321. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinocactus myriostigma f. *columnaris* (K.Schum.) Schelle, Handb. Kakteenkult.: 151. 1907 syn. sec. Anderson (2005) ≡

Astrophytum myriostigma var. *columnare* (K.Schum.) Frič in Život v Přír. 29: 15. 1925 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum columnare (K.Schum.) Sadowsky & Schütz, Gattung *Astrophytum*: 159. 1979 syn. sec. Guzmán Cruz & al. (2003)

= *Astrophytum quadratum* Cobbold in Cact. J. (London) 2: 89. 1899 syn. sec. Anderson (2005)

= *Echinocactus myriostigma* var. *nudus* Rud.Mey. in Monatsschr. Kakteenk. 22: 136. 1912 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma var. *nudum* (Rud.Mey.) Frič in Život v Přír. 29: 10. 1925 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma subvar. *nudum* (Rud.Mey.) Backeb., Cactaceae 5: 2662. 1961 syn. sec. Korotkova (2021)

= *Astrophytum myriostigma* var. *cereiforme* Frič in Život v Přír. 29: 10. 1925 syn. sec. Anderson (2005)

= *Astrophytum myriostigma* var. *grandiflorum* Frič in Život v Přír. 29: 9. 1925 syn. sec. Anderson (2005)

= *Astrophytum myriostigma* var. *minimiflorum* Frič in Život v Přír. 29: 15. 1925 syn. sec. Anderson (2005)

= *Astrophytum myriostigma* var. *nudicarpa* Frič in Život v Přír. 29: 10. 1925 syn. sec. Anderson (2005)

= *Echinocactus myriostigma* subsp. *potosinus* H.Moeller in Z. Sukkulentenk. 3: 54. 1927 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma subsp. *potosinum* (H.Moeller) K.Kayser in Kakteen-Freund 1: 57. 1932 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma var. *potosinum* (H.Moeller) Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 20. 1935

syn. sec. Anderson (2005) ≡ *Astrophytum myriostigma* var. *potosinum* (H.Moeller) K.Kayser in Borg, Cacti, ed. 1: 251. 1937

syn. sec. Anderson (2005)

= *Echinocactus myriostigma* subsp. *quadrucostatus* H.Moeller in Z. Sukkulentenk. 3: 54. 1927 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinocactus myriostigma var. *quadrucostatus* H.Moeller in Z. Sukkulentenk. 3: 54. 1927 syn. sec. WFO 2019 ≡

Astrophytum quadrucostatum (H.Moeller) Houghton in J. Cact. Succ. Soc. Amer. 1: 157. 1930 ≡ *Astrophytum myriostigma*

subsp. *quadrucostatum* (H.Moeller) K.Kayser in Kakteen-Freund 1: 57. 1932 syn. sec. Anderson (2005) ≡ *Astrophytum*

myriostigma var. *quadrucostatum* (H.Moeller) Baum in Kakteenkunde 1933: 205. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma var. *quadrucostatum* (H.Moeller) Borg, Cacti, ed. 1: 251. 1937 syn. sec. Anderson (2005)

= *Astrophytum tamaulipense* Houghton in J. Cact. Succ. Soc. Amer. 1: 157. 1930 syn. sec. Korotkova (2021)

= *Astrophytum myriostigma* subsp. *tamaulipense* K.Kayser in Kakteen-Freund 1: 58. 1932 syn. sec. Anderson (2005) ≡

Astrophytum myriostigma var. *tamaulipense* (K.Kayser) W.T.Marshall & T.M.Bock, Cactaceae: 154. 1941 syn. sec. Anderson (2005)

= *Astrophytum myriostigma* subsp. *tulense* K.Kayser in Kakteen-Freund 1: 58. 1932 syn. sec. Guzmán Cruz & al. (2003) ≡

Astrophytum myriostigma var. *tulense* (K.Kayser) Borg, Cacti, ed. 1: 310. 1937 syn. sec. Anderson (2005) ≡ *Astrophytum*

myriostigma subvar. *tulense* (K.Kayser) Backeb., Cactaceae 5: 2660. 1961 syn. sec. Korotkova (2021) ≡ *Astrophytum tulense*

(K.Kayser) Sadowsky & Schütz, Gattung *Astrophytum*: 159. 1979 syn. sec. Guzmán Cruz & al. (2003)

= *Astrophytum myriostigma* var. *verum* W.T.Marshall in Marshall & Bock, Cactaceae: 154. 1941 syn. sec. Anderson (2005)

= *Astrophytum myriostigma* var. *strongylogonum* Backeb., Cactaceae 5: 2661. 1961 syn. sec. Anderson (2005)

= *Astrophytum mirum* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 7: 33. 2000 syn. sec. Kew WCVP (2019)

***Astrophytum ornatum* (DC.) Britton & Rose, Cactaceae 3: 185. 1922.** Sec. Vázquez-Lobo & al. (2015)

≡ *Echinocactus ornatus* DC. in Mém. Mus. Hist. Nat. 17: 114. 1828 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus mirbelii* Lem., Cact. Aliq. Nov.: 22. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus mirbelii*

(Lem.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Tropicos ≡ *Echinocactus ornatus* var. *mirbelii* Croucher in Gard.

Chron. 1873: 983. 1873 syn. sec. Kew WCVP (2019) ≡ *Astrophytum ornatum* var. *mirbelii* (Lem.) Frič in Život v Přír. 29: 10.

1925 syn. sec. Anderson (2005) ≡ *Astrophytum ornatum* f. *mirbelii* (Lem.) Krainz, Kakteen 31-32: C VIe. 1965 syn. sec.

Guzmán Cruz & al. (2003)

= *Echinocactus tortus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 493. 1838 syn. sec. Britton & Rose (1922)

= *Echinocactus griesbrechtii* Salm-Dyck in Allg. Gartenzeitung 18: 395. 1850 syn. sec. Britton & Rose (1922)

= *Echinocactus holopterus* Miq. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 27. 1850 syn. sec. Britton & Rose (1922) ≡

Echinofossulocactus holopterus (Miq. ex Salm-Dyck) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)

= *Echinopsis haageana* Linke in Wochenschr. Gärtnerei Pflanzenk. 1: 86. 1858 ≡ *Echinopsis haageanus* Linke in Wochenschr.

Gärtnerei Pflanzenk. 1: 86. 1858 syn. sec. Kew WCVP (2019) ≡ *Echinocactus haageanus* (Linke) C.F.Först., Handb.

Cacteenk., ed. 2: 469. 1885 syn. sec. Britton & Rose (1922)

- = *Astrophytum glabrescens* F.A.C.Weber, Dict. Hort. 1: 467. 1896 syn. sec. Anderson (2005) ≡ *Echinocactus ornatus* var. *glabrescens* F.A.C.Weber, Dict. Hort. 1: 467. 1896 syn. sec. Tropicos ≡ *Echinocactus ornatus* var. *glabrescens* K.Schum., Gesamtbeschr. Kakt.: 324. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus ornatus* f. *glabrescens* (F.A.C.Weber) Schelle, Handb. Kakteenkult.: 153. 1907 syn. sec. Britton & Rose (1922) ≡ *Astrophytum ornatum* var. *glabrescens* (F.A.C.Weber) Frič in Život v Přír. 29: 10. 1925 syn. sec. Anderson (2005) ≡ *Astrophytum ornatum* subvar. *glabrescens* (F.A.C.Weber) Backeb., Cactaceae 5: 2664. 1961 syn. sec. Korotkova (2021) ≡ *Astrophytum ornatum* f. *glabrescens* (F.A.C.Weber) Krainz, Kakteen 31-32: C VIe. 1965 syn. sec. Guzmán Cruz & al. (2003)
- = *Astrophytum ornatum* var. *niveum* Schütz & Fleisch. in Kaktusy (Brno) 7(3): 55. 1971 syn. sec. Anderson (2005)
- = *Astrophytum ornatum* var. *virens* Schütz & Fleisch. in Kaktusy (Brno) 7(3): 55. 1971 syn. sec. Anderson (2005)

***Austrocactus* Britton & Rose, Cactaceae 3: 44. 1922. Sec. Hunt (2006)**

Type: *Austrocactus bertinii* (J.F.Cels) Britton & Rose

***Austrocactus bertinii* (J.F.Cels) Britton & Rose, Cactaceae 3: 44–45, f. 56. 1922. Sec. Hunt (2006)**

- ≡ *Cereus bertinii* J.F.Cels in Horticulteur Franç. 5: 251. 1863 syn. sec. Hunt (2006) ≡ *Echinocereus bertinii* (J.F.Cels) Walton in Cact. J. (London) 1: 12. 1898 syn. sec. Tropicos ≡ *Echinocactus bertinii* (J.F.Cels) A.Berger, Kakteen: 216. 1929 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus bertinii* (J.F.Cels) Hosseus in Arch. Esc. Färm. Fac. Ci. Méd. Córdoba 9: 133. 1939 syn. sec. Hunt (2006) ≡ *Notocactus bertinii* (J.F.Cels) W.T.Marshall, Cact. Ill. Keys: 159. 1941 syn. sec. Kew WCVP (2019)
- = *Cereus patagonicus* F.A.C.Weber ex Speg. in Revista Fac. Agron. Univ. Nac. La Plata 3: 604. 1897 syn. sec. Hunt (2006) ≡ *Malacocarpus patagonicus* (F.A.C.Weber ex Speg.) Britton & Rose, Cactaceae 3: 197–198. 1922 syn. sec. Hunt (2006) ≡ *Austrocactus patagonicus* (F.A.C.Weber ex Speg.) Hosseus in Revista Centro Estud. Farm. reimpr. 2(6): 24. 1926 syn. sec. Hunt (2006) ≡ *Notocactus patagonicus* (F.A.C.Weber ex Speg.) W.T.Marshall, Cactaceae: 158. 1941 syn. sec. Hunt (2006)
- = *Cereus dusenii* F.A.C.Weber ex Speg., Nova Add. Fl. Patag. 1: 56. 1899 syn. sec. Kew WCVP (2019) ≡ *Austrocactus dusenii* (F.A.C.Weber) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Hunt (2016)
- = *Malacocarpus dusenii* Hosseus in Arch. Esc. Färm. Fac. Ci. Méd. Córdoba 9: 122. 1939 syn. sec. Kew WCVP (2019)
- = *Austrocactus gracilis* Backeb. in Beitr. Sukkulenteenk. Sukkulentepflege 1942: 58. 1942 syn. sec. Hunt (2016)
- = *Austrocactus colloncurensis* I.Schaub & Keim in Kakteen And. Sukk. 65: 212. 2014 syn. sec. Hunt (2006)

***Austrocactus coxii* (K.Schum.) Backeb., Cactaceae 3: 1562. 1959. Sec. Hunt (2006)**

- ≡ *Echinocactus coxii* K.Schum., Gesamtbeschr. Kakt.: 422. 1898 syn. sec. Hunt (2006) ≡ *Malacocarpus coxii* (K.Schum.) Hosseus in Arch. Esc. Färm. Fac. Ci. Méd. Córdoba 9: 131. 1939 syn. sec. Hunt (2006)
- = *Austrocactus longicarpus* E.Sarnes & N.Sarnes in Kakteen And. Sukk. 65: 258. 2014 syn. sec. Kew WCVP (2019) ≡ *Austrocactus coxii* subsp. *longicarpus* (E.Sarnes & N.Sarnes) Guiggi in Cactology 5 (Suppl. 8): 1. 2020 syn. sec. Hunt (2006)

***Austrocactus ferrarii* R.Kiesling, E.Sarnes & N.Sarnes in Kakteen And. Sukk. 63(12): 330. 2012. Sec. Hunt (2006)**

***Austrocactus hibernus* F.Ritter in Sukkulenteenkunde 7-8: 34. 1963. Sec. Hunt (2006)**

Austrocactus hibernus* subsp. *hibernus

***Austrocactus hibernus* subsp. *robustior* E.Sarnes & N.Sarnes in Cact. Succ. J. (Los Angeles) 92(3): 226. 2020. Sec. Sarnes & Sarnes (2020)**

***Austrocactus nobilis* E.Sarnes & N.Sarnes in CactusWorld 38(3): 166. 2020. Sec. Sarnes & Sarnes (2020)**

- ≡ *Austrocactus bertinii* subsp. *nobilis* (E.Sarnes & N.Sarnes) Guiggi in Cactology 5(Suppl. 10): 1. 2020

***Austrocactus paucillius* E.Sarnes & N.Sarnes in Kakteen And. Sukk. 67: 154. 2016. Sec. Kew WCVP (2019)**

***Austrocactus philippii* (Regel & Schmidt) Buxb. in Sukkulenteenkunde 7-8: 11. 1963. Sec. Hunt (2006)**

- ≡ *Cereus philippii* Regel & Schmidt in Gartenflora 31: 98. 1882 syn. sec. Hunt (2006) ≡ *Echinocactus philippii* (Regel & Schmidt) K.Schum., Gesamtbeschr. Kakt.: 427. 1898 syn. sec. Tropicos ≡ *Echinopsis philippii* (Regel & Schmidt) Nicolson, III. Dict. Gard. Suppl.: 338. 1920 syn. sec. Tropicos ≡ *Erdisia philippii* (Regel & Schmidt) Britton & Rose, Cactaceae 2: 105. 1920 syn. sec. Tropicos

***Austrocactus praecox* E.Sarnes & N.Sarnes in Kakteen And. Sukk. 71(8): 228. 2020. Sec. Sarnes & Sarnes (2020)**

***Austrocactus spiniflorus* (Phil.) F.Ritter in Sukkulenteenkunde 7-8: 35. 1963. Sec. Hunt (2006)**

- ≡ *Opuntia spiniflora* Phil. in Linnaea 30: 211. 1859 syn. sec. Hunt (2006) ≡ *Erdisia spiniflora* (Phil.) Britton & Rose, Cactaceae 2: 106. 1920 syn. sec. Tropicos ≡ *Corryocactus spiniflorus* (Phil.) Hutchison in Sukkulenteenkunde 7-8: 9. 1963 syn. sec. Hunt (2006)

= *Opuntia bicolor* Phil. in Linnaea 33: 83. 1864 syn. sec. Tropicos

- = *Cereus hypogaeus* F.A.C.Weber ex Regel in Gartenflora 31: 165. 1882 syn. sec. Tropicos ≡ *Echinocereus hypogaeus* (F.A.C.Weber ex Regel) F.A.C.Weber ex Rümpler, Handb. Cacteenk., ed. 2: 784. 1885 syn. sec. Hunt (2006) – *Echinocereus hypogaeus* (F.A.C.Weber ex Regel) F.A.C.Weber ex K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894, nom. inval. syn. sec. Korotkova (2021)

- *Eulychnia clavata* Phil. ex K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894, nom. nud. syn. sec. Hunt (2006) – *Echinocereus clavatus* (Phil. ex K.Schum.) K.Schum. in Monatsschr. Kakteenk. 5: 123. 1895, comb. inval. syn. sec. Kew WCVP (2019)

***Austrocactus subandinus* E.Sarnes & N.Sarnes in Kakteen And. Sukk. 66: 174. 2015. Sec. Kew WCVP (2019)**

***Austrocylindropuntia* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938. Sec. Ritz & al. (2012)**

Lectotype: *Austrocylindropuntia exaltata* (A.Berger) Backeb.

- = *Pseudotephrocactus* Frič & Schelle, Akklim. Versuchs-Gart.: 1. 1933 syn. sec. Hernández-Ledesma & al. (2015)
- = *Andinopuntia* Guiggi in Cactology 2 (Suppl.): 1. 2011 syn. sec. Hernández-Ledesma & al. (2015)
- = *Peruviopuntia* Guiggi in Cactology 2 (Suppl.): 1. 2011 syn. sec. Hernández-Ledesma & al. (2015)
- = *Trichopuntia* Guiggi in Cactology 2 (Suppl.): 2. 2011 syn. sec. Hernández-Ledesma & al. (2015)

Notes. – **Phylogenetics:** *Austrocylindropuntia* as originally treated in Hunt (2006) was found as not monophyletic by Ritz & al. (2012). *Austrocylindropuntia lagopus* (K. Schum.) F. Ritter was found sister to the remaining species of *Austrocylindropuntia* and *Cumulopuntia* and was therefore segregated as a monotypic genus *Punotia* D. R. Hunt; see also note under *Punotia*. [Hernández-Ledesma & al. (2015)]

***Austrocylindropuntia cylindrica* (Lam.) Backeb. in Cactaceae (Berlin) 1941(2): 12. 1942.** Sec. Hunt (2016)

- ≡ *Cactus cylindricus* Lam., Encycl. 1(2): 539. 1785 ≡ *Cereus cylindricus* (Lam.) Haw., Syn. Pl. Succ.: 183. 1812 syn. sec. Hernández-Ledesma & al. (2015) ≡ *Opuntia cylindrica* (Lam.) DC., Prodr. 3: 471. 1828 ≡ *Cylindropuntia cylindrica* (Lam.) F.M.Knuth, Kaktus-ABC: 120. 1936 ["1935"]
- = *Cactus coranarius* Cav., Descr. Pl.: 490. 1802 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Austrocylindropuntia intermedia* Rauh & Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Cylindropuntia intermedia* (Rauh & Backeb.) Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 194. 1958
- = *Opuntia bradleyi* G.D.Rowley in Natl. Cact. Succ. J. 13: 4. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

***Austrocylindropuntia exaltata* (A.Berger) Backeb. in Cactaceae (Berlin) 1941(2): 12. 1942.** Sec. Iliff (2002)

- ≡ *Opuntia exaltata* A.Berger, Hort. Mortol.: 232, 410. 1912 ≡ *Cylindropuntia exaltata* (A.Berger) Backeb., Kaktus-ABC: 120. 1936 ["1935"] ≡ *Opuntia subulata* var. *exaltata* (A.Berger) G.D.Rowley in Repert. Pl. Succ. 23: 8. 1974 ["1972"] ≡ *Austrocylindropuntia subulata* subsp. *exaltata* (A.Berger) D.R.Hunt in Cactaceae Syst. Init. 14: 11. 2002

***Austrocylindropuntia floccosa* (Salm-Dyck) F.Ritter, Kakteen Südamerika 4: 1244. 1981.** Sec. Ritz & al. (2012)

- ≡ *Opuntia floccosa* Salm-Dyck in Allg. Gartenzeitung 13: 388. 1845 ≡ *Tephrocactus floccosus* (Salm-Dyck) Backeb., Kaktus-ABC: 105. 1936 ["1935"] ≡ *Andinopuntia floccosa* (Salm-Dyck) Guiggi in Cactology 2 (Suppl.): 1. 2011 ≡ *Austrocylindropuntia floccosa* subsp. *floccosa* syn. sec. Ritz & al. (2012)
- = *Opuntia senilis* Roehl in Ann. Hort. Belge Étrangère 24: 39. 1874 syn. sec. Britton & Rose (1919)
- = *Opuntia floccosa* var. *denudata* F.A.C.Weber, Dict. Hort. 2: 897. 1898 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Tephrocactus floccosus* var. *denudatus* (F.A.C.Weber) Backeb., Cactaceae 1: 235. 1958
- = *Opuntia hempeliana* K.Schum., Gesamtbeschr. Kakt.: 690. 1898 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Opuntia atroviridis* Werderm. & Backeb., Neue Kakteen: 63. 1931 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Opuntia udonis* Weing. in Kakteenkunde 1933: 71. 1933 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Opuntia verticosa* Weing. in Kakteenkunde 1933: 72. 1933 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Tephrocactus atroviridis* Backeb., Kaktus-ABC: 105. 1936 ["1935"] syn. sec. Brako & Zarucchi (1993)
- = *Tephrocactus udonis* Backeb., Kaktus-ABC: 106. 1936 ["1935"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Tephrocactus verticosus* Backeb., Kaktus-ABC: 106. 1936 ["1935"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Austrocylindropuntia tephrocactoides* Rauh & Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cylindropuntia tephrocactoides* (Rauh & Backeb.) Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 194. 1958 ≡ *Opuntia tephrocactoides* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 4. 1958
- = *Tephrocactus blancii* Backeb., Descr. Cact. Nov. 1: 8. 1957 ["1956"] ≡ *Opuntia blancii* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 syn. sec. Hunt (2016)
- = *Tephrocactus crispicrinitus* subvar. *flavicomus* Rauh & Backeb., Descr. Cact. Nov. 1: 7. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia crispicrinita* subvar. *flavicomus* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958
- = *Tephrocactus crispicrinitus* var. *tortispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 7. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia crispicrinita* var. *tortispina* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958
- = *Tephrocactus floccosus* subvar. *aurescens* Rauh & Backeb., Descr. Cact. Nov. 1: 7. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia floccosa* subvar. *aurescens* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958
- = *Tephrocactus floccosus* var. *canispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia floccosa* var. *canispina* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958

- = *Tephrocactus lagopus* var. *aureopenicillatus* Rauh & Backeb., Descr. Cact. Nov. 1: 7. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia lagopus* var. *aureopenicillata* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958
- = *Tephrocactus pseudoudonis* Rauh & Backeb., Descr. Cact. Nov. 1: 7. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia pseudoudonis* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958
- = *Tephrocactus atroviridis* var. *longicylindricus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 212. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia atroviridis* f. *longicylindrica* (Rauh & Backeb.) Krainz, Kakteen 1: X B. 1970
- = *Tephrocactus atroviridis* var. *parviflorus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 213. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia atroviridis* f. *parviflora* (Rauh & Backeb.) Krainz, Kakteen: 1, X B. 1970
- = *Tephrocactus atroviridis* var. *paucispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 214. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia atroviridis* f. *paucispina* (Rauh & Backeb.) Krainz, Kakteen 1: X B. 1970
- = *Tephrocactus crispicrinitus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 209. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia crispicrinita* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 ≡ *Austrocylindropuntia floccosa* subsp. *crispicrinitus* (Rauh & Backeb.) Ostolaza, Cactus Perú: 156. 2014
- = *Tephrocactus crispicrinitus* var. *cylindraceus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 211. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia crispicrinita* var. *cylindracea* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus cylindrolanatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 208. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia cylindrolanata* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus floccosus* var. *crassior* Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 203. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia floccosa* var. *crassior* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus floccosus* var. *ovoides* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 203. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia floccosa* var. *ovoides* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus hirschii* Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 217. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia hirschii* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 ≡ *Austrocylindropuntia hirschii* (Backeb.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 324. 1999
- = *Tephrocactus pseudo-udonis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 208. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia pseudo-udonis* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus punta-caillan* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 217. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia punta-caillan* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 ≡ *Austrocylindropuntia punta-caillan* (Rauh & Backeb.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 324. 1999
- = *Tephrocactus rauhii* Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 211. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia rauhii* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958
- = *Tephrocactus yanganucensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 217. 1958 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Opuntia yanganucensis* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 ≡ *Austrocylindropuntia yanganucensis* (Rauh & Backeb.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 324. 1999 ≡ *Andinopuntia floccosa* subsp. *yanganucensis* (Rauh & Backeb.) Guiggi in Cactology 5 (Suppl. II): 1. 2016 ≡ *Austrocylindropuntia floccosa* subsp. *yanganucensis* (Rauh & Backeb.) Ostolaza in Cactaceae Syst. Init. 24: 6. 2008 syn. sec. Hunt (2016)
- = *Austrocylindropuntia lauliacoana* F.Ritter, Kakteen Südamerika 4: 1247. 1981 syn. sec. Hunt (2016)
- = *Austrocylindropuntia machacana* F.Ritter, Kakteen Südamerika 4: 1246. 1981 syn. sec. Hunt (2016)
- *Opuntia floccosa* var. *cardenasii* (Marn.-Lap.) G.D.Rowley in Repert. Pl. Succ. 22: 11. 1973, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- Austrocylindropuntia pachypus* (K.Schum.) Backeb. in Cactaceae (Berlin) 1942(2): 13. 1942.** Sec. Ritz & al. (2012)
 ≡ *Opuntia pachypus* K.Schum. in Monatsschr. Kakteenk. 14: 26. 1904 ≡ *Cylindropuntia pachypus* (K.Schum.) Backeb., Kaktus-ABC: 120. 1936 ["1935"] ≡ *Peruviopuntia pachypus* (K.Schum.) Guiggi in Cactology 2 (Suppl.): 2. 2011
- Austrocylindropuntia shaferi* (Britton & Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23: 14. 1951.** Sec. Ritz & al. (2012)
 ≡ *Opuntia shaferi* Britton & Rose, Cactaceae 1: 72. 1919 ≡ *Cylindropuntia shaferi* (Britton & Rose) Backeb., Kaktus-ABC: 119. 1936 ["1935"] ≡ *Austrocylindropuntia vestita* var. *shaferi* (Britton & Rose) F.Ritter, Kakteen Südamerika 2: 380. 1980 ≡ *Trichopuntia shaferi* (Britton & Rose) Guiggi in Cactology 2 (Suppl.): 2. 2011
- = *Opuntia weingartiana* Backeb. in Blätt. Kakteenf. 1935(8): 4, gen. 10, subgen. 4–a–b, sp. 2. 1935 ≡ *Cylindropuntia weingartiana* (Backeb.) Backeb., Kaktus-ABC: 119. 1936 ["1935"] ≡ *Austrocylindropuntia weingartiana* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 14. 1951 syn. sec. Hunt (2016)

= *Austrocylindropuntia steiniana* Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. = *Opuntia steiniana* (Backeb.) G.D.Rowley in Nat. Cact. & Succ. Journ. 13: 4. 1958 = *Opuntia ignescens* var. *steiniana* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958

***Austrocylindropuntia shaferi* var. *humahuacana* (Backeb.) R.Kiesling in Cact. Succ. J. Gr. Brit. 42: 110. 1980.** Sec. Kiesling & al. (2014)

= *Cylindropuntia humahuacana* Backeb., Kaktus-ABC: 119. 1936 ["1935"] = *Austrocylindropuntia humahuacana* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 13. 1951 = *Opuntia humahuacana* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 4. 1958 = *Opuntia shaferi* var. *humahuacana* (Backeb.) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 2. 1982 = *Trichopuntia shaferi* subsp. *humahuacana* (Backeb.) Guiggi in Cactology 2 (Suppl.): 2. 2011

Austrocylindropuntia shaferi* var. *shaferi

***Austrocylindropuntia subulata* (Muehlenpf.) Backeb. in Cactaceae (Berlin) 1941(2): 12. 1942.** Sec. Ritz & al. (2012)

= *Pereskia subulata* Muehlenpf. in Allg. Gartenzeitung 13: 347. 1845 = *Opuntia subulata* (Muehlenpf.) Engelm. in Gard. Chron. 1: 627. 1883 = *Pereskia subulata* (Muehlenpf.) Britton & Rose, Stand. Cycl. Hort. 5: 2547. 1916 = *Cylindropuntia subulata* (Muehlenpf.) F.M.Knuth, Kaktus-ABC: 121. 1936 ["1935"] = *Austrocylindropuntia subulata* subsp. *subulata*

= *Opuntia ellemetiana* Miq. in Ned. Kruidk. Arch. 4: 337. 1858 syn. sec. Britton & Rose (1919)

= *Opuntia ellemetiana* Miq. in Ned. Kruidk. Arch. 4: 337. 1859 syn. sec. Britton & Rose (1919)

= *Pereskia affinis* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 2: 118. 1859 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Opuntia segethii* F.Phil. in Bot. Zeitung (Berlin) 26: 861. 1868 syn. sec. Britton & Rose (1919)

***Austrocylindropuntia vestita* (Salm-Dyck) Backeb. in Beitr. Sukkulenteenk. Sukkulentepflege 1939: 11. 1939.** Sec. Ritz & al. (2012)

= *Opuntia vestita* Salm-Dyck in Allg. Gartenzeitung 13: 388. 1845 = *Pseudotephrocactus vestitus* (Salm-Dyck) Frič & Schelle, Akklim. Versuchs-Gart.: 1. 1933 = *Cylindropuntia vestita* (Salm-Dyck) Backeb., Kaktus-ABC: 119. 1936 ["1935"] = *Trichopuntia vestita* (Salm-Dyck) Guiggi in Cactology 2 (Suppl.): 2. 2011

= *Opuntia involuta* Otto ex C.F.Först., Handb. Cacteenk.: 505. 1846 syn. sec. Britton & Rose (1919)

= *Opuntia heteromorpha* Phil. in Anales Mus. Nac., Santiago de Chile 1: 28. 1891 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. = *Tephrocactus heteromorphus* (Phil.) Backeb. in Cactus (Paris) 38: 249. 1953

= *Opuntia teres* Cels ex F.A.C.Weber, Dict. Hort.: 898. 1898 syn. sec. Britton & Rose (1919) = *Cylindropuntia teres* (Cels ex F.A.C.Weber) Backeb., Kaktus-ABC: 119. 1936 ["1935"] = *Austrocylindropuntia teres* (F.Cels ex F.A.C.Weber) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1944: 39. 1944

= *Opuntia chuquisacana* Cárdenas in Lilloa 23: 20, f. 2. 1950 = *Austrocylindropuntia chuquisacana* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 485. 1980 syn. sec. Hunt (2016) = *Austrocylindropuntia vestita* var. *chuquisacana* (Cárdenas) Backeb., Cactaceae 1: 151. 1958 = *Opuntia vestita* var. *chuquisacana* (Cárdenas) G.D.Rowley in Natl. Cact. Succ. J. 13: 25. 1958

= *Austrocylindropuntia vestita* var. *maior* Backeb. in Cact. Succ. J. (Los Angeles) 23: 14. 1951 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. = *Opuntia vestita* f. *maior* (Backeb.) Krainz, Kakteen 36: C VIII B. 1967

= *Austrocylindropuntia vestita* var. *intermedia* Backeb., Cactaceae 6: 3581. 1962 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. = *Opuntia vestita* f. *intermedia* (Backeb.) Krainz, Kakteen 36: C VIII B. 1967

***Aylostera* Speg. in Anales Soc. Ci. Argent. 96: 75. 1923.** Sec. Ritz & al. (2016)

Type: *Aylostera pseudominuscula* (Speg.) Speg.

= *Mediolobivia* Backeb. in Blätt. Kakteenf. 1934(2): 3. 1934 syn. sec. Hunt (2006). Type: *Mediolobivia aureiflora* (Backeb.) Backeb.

= *Digitorebutia* Frič & Kreuz. ex Buining in Succulenta (Netherlands) 22. 1940 syn. sec. Hunt (2006). Type: *Digitorebutia haagei* (Frič & Schelle) Frič ex Buining

Notes. – The phylogenetic relationships in *Aylostera* were studied in detail by Ritz et al. (2016) based on the plastid DNA regions *atpB-rbcL* and *trnS-trnG* as well as AFLPs and morphological characters. *Aylostera* was confirmed as monophyletic and as distantly related to the clade that contains the type species of *Rebutia* K.Schum., thus justifying recognizing *Aylostera* as a separate genus. Based on their results, the authors suggested a new classification of *Aylostera* with nine species, this classification is followed here. [Korotkova (2021)]

***Aylostera albopectinata* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2769–2785. 2011.** Sec. Ritz & al. (2016)

= *Rebutia albopectinata* Rausch in Kakteen And. Sukk. 23: 236. 1972 syn. sec. Ritz & al. (2016) = *Lobivia albopectinata* (Rausch) Neirinck in Brugse Cactuspost 16(9): 79. 1994 [as "*albipectinata*"] syn. sec. Ritz & al. (2016) – *Lobivia albipectinata* (Rausch) Neirinck in Brugse Cactuspost 16(9): 79. 1994, nom. inval. syn. sec. TPL (2013)

= *Rebutia schatzliana* Rausch in Kakteen And. Sukk. 26(11): 244. 1975 = *Aylostera schatzliana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)

***Aylostera azurduyensis* J.de Vries in Succulenta (Netherlands) 85: 54, 56, 59. 2006.** Sec. Ritz & al. (2016)

= *Aylostera fiebrigii* var. *azurduyensis* (J.de Vries) Mieczak. in Kaktusy Inne 4: 11. 2007 syn. sec. Tropicos

***Aylostera deminuta* (F.A.C.Weber) Backeb., Kaktus-ABC: 274. 1936 ["1935"].** Sec. Ritz & al. (2016)

= *Echinopsis deminuta* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 386. 1904 syn. sec. Ritz & al. (2016) = *Echinocactus deminutus* (F.A.C.Weber) Gürke in Monatschr. Kakteenk. 16: 103. 1906 syn. sec. Kiesling & al. (2014) = *Rebutia deminuta* (F.A.C.Weber) Britton & Rose, Cactaceae 4: 285. 1923 syn. sec. Ritz & al. (2016)

- = *Echinocactus fiebrigii* Gürke in Notizbl. Königl. Bot. Gart. Berlin 4: 183. 1905 syn. sec. Ritz & al. (2016) ≡ *Rebutia fiebrigii* (Gürke) Britton & Rose in Cycl. Amer. Hort. 5: 2915. 1916 syn. sec. Ritz & al. (2016) ≡ *Aylostera fiebrigii* (Gürke) Backeb., Kaktus-ABC: 274. 1936 ["1935"] syn. sec. Ritz & al. (2016) – *Rebutia fiebrigii* Britton & Rose, Stand. Cycl. Hort. 5: 2915. 1916 syn. sec. TPL (2013) [is misspelling for *Rebutia fiebrigii* (Gürke) Britton & Rose]
- = *Echinopsis pseudominuscula* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 488. 1905 syn. sec. Ritz & al. (2016) ≡ *Echinocactus pseudominusculus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 488. 1905 syn. sec. Ritz & al. (2016) ≡ *Echinopsis pseudominusculus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 488. 1905 syn. sec. Ritz & al. (2016) ≡ *Rebutia pseudominuscula* (Speg.) Britton & Rose, Cactaceae 3: 47, f. 58. 1922 syn. sec. Ritz & al. (2016) ≡ *Aylostera pseudominuscula* (Speg.) Speg. in Anales Soc. Ci. Argent. 96: 75. 1923 syn. sec. Ritz & al. (2016) ≡ *Aylostera deminuta* var. *pseudominuscula* (Speg.) Backeb., Kaktus-ABC: 274. 1936 ["1935"] syn. sec. Tropicos ≡ *Rebutia deminuta* f. *pseudominuscula* (Speg.) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963
- = *Rebutia kupperiana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 4: 276. 1932 syn. sec. Ritz & al. (2016) ≡ *Aylostera kupperiana* (Boed.) Backeb., Kaktus-ABC: 275. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Rebutia deminuta* subsp. *kupperiana* (Boed.) Hjertson in Cactaceae Syst. Init. 15: 9. 2003 syn. sec. Ritz & al. (2016)
- = *Rebutia pseudodeminuta* Backeb. in Kakteen-Freund 2(1): 7. 1933 syn. sec. Ritz & al. (2016) ≡ *Aylostera pseudodeminuta* (Backeb.) Backeb., Kaktus-ABC: 275. 1936 ["1935"] syn. sec. Ritz & al. (2016)
- = *Rebutia pseudodeminuta* var. *schumanniana* Backeb. in Kakteen-Freund 2: 7. 1933 syn. sec. Ritz & al. (2016) ≡ *Aylostera pseudodeminuta* var. *schumanniana* (Backeb.) Backeb., Kaktus-ABC: 275. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pseudodeminuta* f. *schumanniana* (Backeb.) Šída, Rod Rebutia: 20. 1997 syn. sec. Kew WCVP (2019)
- = *Rebutia spegazziniana* Backeb. in Kakteen-Freund 2(1): 6. 1933 syn. sec. Ritz & al. (2016) ≡ *Aylostera spegazziniana* (Backeb.) Backeb., Kaktus-ABC: 276. 1936 ["1935"] syn. sec. Ritz & al. (2016) – *Rebutia spegazziana* Backeb. syn. sec. TPL (2013) [is misspelling for *Rebutia spegazziniana* Backeb.]
- = *Rebutia spinosissima* Backeb. in Blätt. Kakteenf. 1935(8): 7. 1935 syn. sec. Hunt (2016) ≡ *Aylostera spinosissima* (Backeb.) Backeb., Kaktus-ABC: 275. 1936 ["1935"] syn. sec. Ritz & al. (2016)
- = *Aylostera spegazziniana* var. *atroviridis* Backeb., Kaktus-ABC: 276. 1936 ["1935"] syn. sec. Tropicos ≡ *Rebutia spegazziniana* var. *atroviridis* (Backeb.) Šída, Rod Rebutia: 21. 1997
- = *Aylostera pseudodeminuta* var. *albisetata* Backeb. in Cact. Succ. J. (Los Angeles) 23: 82. 1951 syn. sec. Tropicos ≡ *Rebutia pseudodeminuta* f. *albisetata* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 syn. sec. Ritz & al. (2016)
- = *Aylostera pseudodeminuta* var. *grandiflora* Backeb. in Cact. Succ. J. (Los Angeles) 23: 82. 1951 syn. sec. Tropicos ≡ *Rebutia pseudodeminuta* f. *grandiflora* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Ritz & al. (2016)
- = *Aylostera pseudodeminuta* var. *schneideriana* Backeb. in Cact. Succ. J. (Los Angeles) 23: 82. 1951 syn. sec. Tropicos ≡ *Rebutia pseudodeminuta* f. *schneideriana* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Ritz & al. (2016)
- = *Rebutia fiebrigii* f. *densisetata* Cullmann in Sukkulantenkunde 6: 25. 1957 syn. sec. Kew WCVP (2019) ≡ *Rebutia fiebrigii* var. *densisetata* (Cullmann) Oeser in Kakteen And. Sukk. 27: 29. 1976 syn. sec. Ritz & al. (2016)
- = *Rebutia albiflora* F.Ritter & Buining in Taxon 12: 29. 1963 syn. sec. Ritz & al. (2016) ≡ *Aylostera albiflora* (F.Ritter & Buining) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Ritz & al. (2016) ≡ *Rebutia pulvinosa* subsp. *albiflora* (F.Ritter & Buining) Hjertson in Cactaceae Syst. Init. 15: 9. 2003 syn. sec. Korotkova (2021)
- = *Rebutia albipilosa* F.Ritter in Taxon 12: 29. 1963 syn. sec. Hunt (2016) ≡ *Aylostera albipilosa* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Ritz & al. (2016)
- = *Rebutia muscula* F.Ritter & Thiele in Taxon 12: 29. 1963 syn. sec. Hunt (2016) ≡ *Aylostera muscula* (F.Ritter & Thiele) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Ritz & al. (2016)
- = *Rebutia pulvinosa* F.Ritter & Buining in Taxon 12: 29. 1963 syn. sec. Ritz & al. (2016) ≡ *Aylostera pulvinosa* (F.Ritter & Buining) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Ritz & al. (2016)
- = *Rebutia rubiginosa* F.Ritter in Taxon 12: 29. 1963 syn. sec. Ritz & al. (2016) ≡ *Aylostera rubiginosa* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Ritz & al. (2016)
- = *Mediobivia ithyacantha* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 35. 1970 syn. sec. Kew WCVP (2019) ≡ *Rebutia ithyacantha* (Cárdenas) Diers in Kakteen And. Sukk. 23: 141. 1972 syn. sec. Ritz & al. (2016)
- = *Rebutia fulviseta* F.Ritter in Kakteen And. Sukk. 21: 29. 1970 syn. sec. Ritz & al. (2016) ≡ *Aylostera fulviseta* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia heliosa* Rausch in Kakteen And. Sukk. 21: 30. 1970 syn. sec. Ritz & al. (2016) ≡ *Aylostera heliosa* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia vallegrandensis* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 35. 1970 ≡ *Aylostera vallegrandensis* (Cárdenas) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Aylostera narvaecense* Cárdenas in Cact. Succ. J. (Los Angeles) 43(6): 245. 1971 syn. sec. Ritz & al. (2016) ≡ *Rebutia narvaecensis* (Cárdenas) Donald in Ashingtonia 1(2): 21. 1973 syn. sec. Hunt (2016) – *Aylostera narvaecensis* Cárdenas in Cact. Succ. J. (Los Angeles) 43: 245. 1971 syn. sec. Ritz & al. (2016) [is orthographic variant for *Aylostera narvaecense* Cárdenas] – *Rebutia narvaecense* (Cárdenas) Donald in Ashingtonia 1: 21. 1973 syn. sec. Korotkova (2021) [is orthographic variant for *Rebutia narvaecensis* (Cárdenas) Donald]
- = *Rebutia buiningiana* Rausch in Kakteen And. Sukk. 23(4): 98. 1972 syn. sec. Ritz & al. (2016) ≡ *Aylostera buiningiana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2777. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia pulchella* Rausch in Kakteen And. Sukk. 23(12): 340. 1972 ≡ *Aylostera pulchella* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia jujuyana* Rausch in Kakteen And. Sukk. 24: 147. 1973 syn. sec. Ritz & al. (2016) ≡ *Aylostera jujuyana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2778. 2011 syn. sec. Ritz & al. (2016)

- = *Rebutia donaldiana* A.B.Lau & G.D.Rowley in *Ashingtonia* 177: 76. 1974 syn. sec. Ritz & al. (2016) ≡ *Aylostera donaldiana* (A.B.Lau & G.D.Rowley) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia albiareolata* F.Ritter in *Kakteen And. Sukk.* 28(4): 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera albiareolata* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2777. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia cajasensis* F.Ritter in *Succulenta (Netherlands)* 56(3): 64. 1977 syn. sec. Hunt (2016) ≡ *Aylostera cajasensis* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2777. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia cintiensis* F.Ritter in *Ashingtonia* 2(10): 206. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera cintiensis* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2777. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia fusca* F.Ritter in *Kakteen And. Sukk.* 28: 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera fusca* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia hoffmannii* Diers & Rausch in *Kakteen And. Sukk.* 28: 105. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera hoffmannii* (Diers & Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia kieslingii* Rausch in *Kakteen And. Sukk.* 28: 177. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera kieslingii* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia kupperiana* var. *spiniflora* F.Ritter in *Kakteen And. Sukk.* 28(4): 78. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia mamillosa* var. *australis* F.Ritter in *Kakteen And. Sukk.* 28: 77. 1977 syn. sec. Kew WCV (2019)
- = *Rebutia mamillosa* var. *orientalis* F.Ritter in *Kakteen And. Sukk.* 28: 77. 1977 syn. sec. Kew WCV (2019)
- = *Rebutia minutissima* F.Ritter in *Kakteen And. Sukk.* 28(4): 78. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia nogalesensis* F.Ritter in *Kakteen And. Sukk.* 28(4): 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera nogalesensis* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Kew WCV (2019)
- = *Rebutia patericalyx* F.Ritter in *Kakteen And. Sukk.* 28: 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera patericalyx* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia robustispina* F.Ritter in *Succulenta (Netherlands)* 56(3): 64. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera robustispina* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia robustispina* var. *minor* F.Ritter in *Succulenta (Netherlands)* 56(3): 65. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia sanguinea* F.Ritter in *Succulenta (Netherlands)* 56(3): 65. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia sanguinea* var. *minor* F.Ritter in *Succulenta (Netherlands)* 56(3): 65. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia tamboensis* F.Ritter in *Ashingtonia* 2(10): 207. 1977 ≡ *Aylostera tamboensis* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia vulpina* F.Ritter in *Succulenta (Netherlands)* 56: 66. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera vulpina* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia archibuiningiana* F.Ritter in *Ashingtonia* 3(1): 14. 1978 syn. sec. Ritz & al. (2016)
- = *Rebutia flavistyla* F.Ritter in *Ashingtonia* 3(1): 12. 1978 syn. sec. Ritz & al. (2016) ≡ *Aylostera flavistyla* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia nitida* F.Ritter in *Ashingtonia* 3(1): 14. 1978 syn. sec. Ritz & al. (2016) ≡ *Aylostera nitida* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia perplexa* Donald in *Ashingtonia* 3(5-6): 150. 1979 syn. sec. Ritz & al. (2016) ≡ *Rebutia pulvinosa* subsp. *perplexa* (Donald) Hjertson in *Cactaceae Syst. Init.* 15: 9. 2003 syn. sec. Korotkova (2021) ≡ *Aylostera perplexa* (Donald) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia fiebrigii* var. *vulpes* F.Ritter, *Kakteen Südamerika* 2: 619. 1980 syn. sec. Kew WCV (2019)
- = *Rebutia heliosa* var. *cajasensis* Donald in *Ashingtonia* 3: 144. 1980 ["1979"] syn. sec. Kew WCV (2019) ≡ *Rebutia heliosa* subsp. *cajasensis* (Donald) Řiha & Šeda in *Kaktusy (Brno)* 42: 126. 2006 ≡ *Aylostera heliosa* subsp. *cajasensis* (Donald) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011
- = *Rebutia heliosa* var. *condorensis* Donald in *Ashingtonia* 3: 143. 1980 ["1979"] syn. sec. Kew WCV (2019) ≡ *Rebutia heliosa* subsp. *condorensis* (Donald) Řiha & Šeda in *Kaktusy (Brno)* 42: 126. 2006 ≡ *Aylostera heliosa* subsp. *condorensis* (Donald) Mosti & Papini in *Pakistan J. Bot.* 43: 2778. 2011
- = *Rebutia muscula* var. *luteoalbida* F.H.Brandt in *Kakteen Orch. Rundschau* 5: 62. 1980 syn. sec. Kew WCV (2019)
- = *Rebutia simoniana* Rausch in *Kakteen And. Sukk.* 35(9): 205. 1984 syn. sec. Ritz & al. (2016) ≡ *Aylostera simoniana* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2779. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia wahliana* Rausch in *Succulenta (Netherlands)* 64(12): 257. 1985 syn. sec. Ritz & al. (2016) ≡ *Aylostera wahliana* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia walteri* Diers in *Kakteen And. Sukk.* 40: 189. 1989 syn. sec. Ritz & al. (2016) ≡ *Aylostera walteri* (Diers) Mosti & Papini in *Pakistan J. Bot.* 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia heliosa* subsp. *teresae* Kníže, Řiha & Šeda in *Kaktusy (Brno)* 42: 86. 2006 syn. sec. Kew WCV (2019)
- = *Aylostera mandingaensis* R.Wahl & Jucker in *Kakteen And. Sukk.* 59(4): 101. 2008 syn. sec. Ritz & al. (2016)
- = *Rebutia dutineana* Rausch in *Kakteen And. Sukk.* 59: 251. 2008 syn. sec. Kew WCV (2019)
- = *Rebutia dutineana* var. *gracilior* Rausch in *Kakteen And. Sukk.* 59: 252. 2008 syn. sec. Kew WCV (2019)
- Aylostera einsteinii* (Frič ex Kreuz. & Buining) Mosti & Papini in *Pakistan J. Bot.* 43: 2769–2785. 2011. Sec. Ritz & al. (2016)**
- ≡ *Rebutia einsteinii* Frič ex Kreuz. & Buining, *Succulenta (Netherlands)*: 65. 1949 syn. sec. Ritz & al. (2016) ≡ *Lobivia einsteinii* (Frič) Rausch, *Lobivia* 85: 28. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebulobivia einsteinii* Frič in *Gartenzeitung* (Vienna) 11: 46. 1935 syn. sec. Kew WCV (2019) ≡ *Mediolobivia schmiedcheniana* var. *einsteinii* (Frič) Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"] ≡ *Cylindrorebutia einsteinii* (Frič ex Kreuz. & Buining) Brederoo in *Succulenta (Netherlands)* 1959: 123. 1959 syn. sec. Ritz & al. (2016) ≡ *Aylostera einsteinii* subsp. *einsteinii*

- = *Rebutia aureiflora* Backeb. in Kakteen-Freund 1: 124. 1932 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia aureiflora* (Backeb.) Backeb. in Blätt. Kakteenf. 1934(2): 3. 1934 syn. sec. Kew WCVP (2019) ≡ *Lobivia aureiflora* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Kew WCVP (2019) ≡ *Lobivia einsteinii* var. *aureiflora* (Backeb.) Rausch, Lobivia 85: 33. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* subsp. *aureiflora* (Backeb.) Hjertson in Cactaceae Syst. Init. 15: 10. 2003 syn. sec. Ritz & al. (2016) ≡ *Aylostera aureiflora* (Backeb.) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia karrereri* Frič in Möller's Deutsche Gärtn.-Zeitung 47: 421. 1932 syn. sec. Korotkova (2021)
- = *Rebutia steineckeii* Frič in Möller's Deutsche Gärtn.-Zeitung 47: 422. 1932 syn. sec. Kew WCVP (2019)
- = *Mediolobivia aureiflora* var. *albilongiseta* Backeb. in Blätt. Kakteenf. 1934(2): 5. 1934 syn. sec. Kew WCVP (2019)
- = *Mediolobivia aureiflora* var. *albiseta* Backeb. in Blätt. Kakteenf. 1934(2): 5. 1934 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* var. *albiseta* (Backeb.) Borg, Cacti, ed. 1: 187. 1937 syn. sec. Kew WCVP (2019)
- = *Mediolobivia aureiflora* var. *longiseta* Backeb. in Blätt. Kakteenf. 1934(2): 5. 1934 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia longiseta* (Backeb.) Backeb., Kaktus-ABC: 247. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Lobivia longiseta* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Korotkova (2021)
- = *Mediolobivia boedekeriana* Backeb. in Blätt. Kakteenf. 1934(2): 6. 1934 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia aureiflora* var. *boedekeriana* (Backeb.) Backeb., Cactaceae 4: 1488. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* f. *boedekeriana* (Backeb.) Šida, Rod Rebutia: 23. 1997 syn. sec. Kew WCVP (2019)
- = *Mediolobivia duursmaiana* Backeb. in Blätt. Kakteenf. 1934(9): 6. 1934 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* f. *duursmaiana* (Backeb.) Šida, Rod Rebutia: 23. 1997 syn. sec. Kew WCVP (2019)
- = *Mediolobivia elegans* Backeb. in Blätt. Kakteenf. 1934(9): 5. 1934 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* var. *elegans* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* subsp. *elegans* (Backeb.) Donald in Ashingtonia 2: 90. 1976 syn. sec. Kew WCVP (2019) ≡ *Lobivia einsteinii* var. *elegans* (Backeb.) Rausch, Lobivia 85: 33. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Rebutia oculata* Werderm., Repert. Spec. Nov. Regni Veg. Sonderbeih. C: t. 99. 1935 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia euanthema* var. *oculata* (Werderm.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Rebutia euanthema* f. *oculata* (Werderm.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Ritz & al. (2016) ≡ *Aylostera oculata* (Werderm.) Mosti & Papini in Pakistan J. Bot. 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia euanthema* Backeb., Kaktus-ABC: 240, 414. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Mediolobivia euanthema* (Backeb.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Ritz & al. (2016) ≡ *Acantholobivia euanthema* (Backeb.) Y.Itô, Explan. Diag. Austroechinocactinae: 131. 1957 syn. sec. Tropicos ≡ *Rebutia euanthema* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* subsp. *euanthema* (Backeb.) Slaba in Kaktusy (Brno) 52(2): 54. 2016 syn. sec. Ritz & al. (2016)
- = *Mediolobivia longiseta* var. *albilongiseta* Backeb., Kaktus-ABC: 247. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Mediolobivia rubelliflora* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Mediolobivia aureiflora* var. *rubelliflora* (Backeb.) Backeb., Cactaceae 4: 1490. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* f. *rubelliflora* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019)
- = *Mediolobivia rubriflora* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Mediolobivia aureiflora* var. *rubriflora* (Backeb.) Backeb., Cactaceae 4: 1490. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* f. *rubriflora* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia blossfeldiana* Backeb. in Cact. Succ. J. (Los Angeles) 8: 75. 1936 syn. sec. Kew WCVP (2019)
- = *Rebutia blossfeldii* Werderm. in Repert. Spec. Nov. Regni Veg. 39: 273. 1936 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia blossfeldii* (Werderm.) Buining in Succulenta (Netherlands) 22: 43. 1940 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia rubriflora* var. *blossfeldii* (Werderm.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* var. *blossfeldii* (Werderm.) Donald in Ashingtonia 2: 88. 1976 syn. sec. Kew WCVP (2019)
- = *Rebutia sarothroides* Werderm. in Repert. Spec. Nov. Regni Veg. 39: 272. 1936 syn. sec. Tropicos ≡ *Mediolobivia sarothroides* (Werderm.) Buining in Succulenta (Netherlands) 22: 43. 1940 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia aureiflora* var. *sarothroides* (Werderm.) Backeb., Cactaceae 4: 1491. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* f. *sarothroides* (Werderm.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia aureiflora* var. *sarothroides* (Werderm.) Donald in Ashingtonia 2: 90. 1976 syn. sec. Kew WCVP (2019) – *Mediolobivia sarothmidis* (Werderm.) Buining squalm. syn. sec. The Plant List v. 1.1 2013 in Succulenta (Netherlands) 22: 43. 1940 syn. sec. TPL (2013) [is misspelling for *Mediolobivia sarothroides* (Werderm.) Buining]
- = *Lobivia auranitida* Wessner in Kakteen And. Sukk. 1937: 130, 207. 1937 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia auranitida* (Wessner) Krainz in Sukkulantenkunde 1: 18. 1947 syn. sec. Ritz & al. (2016) ≡ *Cylindrorebutia auranitida* (Wessner) Brederoo in Succulenta (Netherlands) 1959: 122. 1959 syn. sec. Kew WCVP (2019) ≡ *Rebutia auranitida* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 syn. sec. Hunt (2016)
- = *Lobivia auranitida* var. *gracilis* Wessner in Kakteen And. Sukk. 1: 130, 207. 1937 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia auranitida* var. *gracilis* (Wessner) Backeb., Cactaceae 4: 1522. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia auranitida* f. *gracilis* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 syn. sec. Kew WCVP (2019)
- = *Lobivia schmiedcheniana* U.Köhler in Beitr. Sukkulantenk. Sukkulantenpflege 1939: 37. 1939 syn. sec. Kew WCVP (2019) ≡ *Rebutia schmiedcheniana* (U.Köhler) W.T.Marshall, Cact. Ill. Keys: 125. 1941 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia schmiedcheniana* (U.Köhler) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Cylindrorebutia schmiedcheniana* (U.Köhler) Brederoo in Succulenta (Netherlands) 1959: 123. 1959 syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* f. *schmiedcheniana* (U.Köhler) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963

- = *Lobivia columnaris* Wessner in Kakteenkunde 1940: 4. 1940 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia columnaris* (Wessner) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Cylindrorebutia columnaris* (Wessner) Brederoo in Succulenta (Netherlands) 1959: 122. 1959 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia conoidea* var. *columnaris* (Wessner) Backeb., Cactaceae 4: 1498. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* var. *columnaris* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963
- = *Lobivia conoidea* Wessner in Kakteenkunde 1940: 3. 1940 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia conoidea* (Wessner) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Cylindrorebutia conoidea* (Wessner) Brederoo in Succulenta (Netherlands) 1959: 122. 1959 syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* var. *conoidea* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 syn. sec. Ritz & al. (2016) ≡ *Rebutia einsteinii* f. *conoidea* (Wessner) Donald in Ashingtonia 2: 112. 1976
- = *Mediolobivia blossfeldii* var. *compactiflora* Wessner in Kakteenkunde 1940: 32. 1940 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia rubriflora* var. *compactiflora* (Wessner) Krainz in Sukkulantenkunde 1: 20. 1947 syn. sec. Kew WCVP (2019)
- = *Mediolobivia blossfeldii* var. *nigrilongiseta* Wessner in Kakteenkunde 1940: 33. 1940 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia rubriflora* var. *nigrilongiseta* (Wessner) Krainz in Sukkulantenkunde 1: 20. 1947 syn. sec. Kew WCVP (2019)
- = *Mediolobivia kesselringiana* Cullmann in Sukkulantenkunde 2: 26. 1948 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia aureiflora* f. *kesselringiana* (Cullmann) U.Köhler in Kakteen And. Sukk. 24: 206-207. 1973 syn. sec. Eggli (2021)
- = *Mediolobivia aurantida* var. *flaviflora* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Mediolobivia aureiflora* subvar. *leucolutes* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Mediolobivia aureiflora* subvar. *lilacinostoma* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Mediolobivia euanthema* var. *fricii* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia euanthema* f. *fricii* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Kew WCVP (2019)
- = *Mediolobivia neopygmaea* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia euanthema* f. *neopygmaea* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Ritz & al. (2016)
- = *Mediolobivia schmiedcheniana* var. *karrereri* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* f. *karrereri* (Backeb.) Buining & Donald in Cact. Succ. J. Gr. Brit. 27: 39. 1965 ≡ *Rebutia einsteinii* var. *karrereri* (Backeb.) Šída in Kaktusy (Brno) 26: 19. 1990 syn. sec. Kew WCVP (2019)
- = *Mediolobivia schmiedcheniana* var. *rubriviridis* Frič & Kreuz. ex Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* var. *rubriviridis* (Frič & Kreuz. ex Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 ≡ *Rebutia einsteinii* f. *rubriviridis* (Frič & Kreuz. ex Backeb.) Donald in Ashingtonia 2: 112. 1976
- = *Mediolobivia schmiedcheniana* var. *steineckeii* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* var. *steineckeii* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 101. 1963 syn. sec. Ritz & al. (2016) ≡ *Rebutia einsteinii* f. *steineckeii* (Backeb.) Donald in Ashingtonia 2: 112. 1976 syn. sec. Ritz & al. (2016)
- = *Rebutia gonjianii* R.Kiesling in Bol. Soc. Argent. Bot. 15(1): 132. 1973 syn. sec. Ritz & al. (2016) ≡ *Rebutia einsteinii* var. *gonjianii* (R.Kiesling) Donald in Ashingtonia 1: 83. 1974 ≡ *Lobivia einsteinii* var. *gonjianii* (R.Kiesling) Rausch, Lobivia 85: 32. 1987 ["1985"] syn. sec. Korotkova (2021) ≡ *Lobivia gonjianii* (R.Kiesling) R.Kiesling in Monogr. Syst. Bot. Missouri Bot. Gard. 74: 1245. 1999 syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* subsp. *gonjianii* (R.Kiesling) Hjertson in Cactaceae Syst. Init. 15: 10. 2003 syn. sec. Korotkova (2021) ≡ *Aylostera gonjianii* (R.Kiesling) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Mediolobivia spiralisepala* Schütz in Kaktusy (Brno) 11: 51. 1975 syn. sec. Kew WCVP (2019) ≡ *Rebutia spiralisepala* (Schütz) Šída, Atlas Kaktusu 21: t. 29. 2006 syn. sec. Kew WCVP (2019)
- = *Lobivia einsteinii* var. *atrospinosa* Rausch, Lobivia 85: 32. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia einsteinii* var. *atrospinosa* (Rausch) Šída in Kaktusy (Brno) 28: 124. 1992
- = *Lobivia euanthema* var. *tilcarensis* Rausch, Lobivia 85: 36. 1987 ["1985"] syn. sec. WFO 2019 ≡ *Rebutia tilcarensis* (Rausch) Šída, Rod Rebutia: 24. 1997 syn. sec. Kew WCVP (2019) ≡ *Rebutia oculata* subsp. *tilcarensis* (Rausch) Mosti in Cactus & Co. 4: 46. 2000 syn. sec. Ritz & al. (2016) – *Aylostera oculata* subsp. *tilcarensis* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2782. 2011, nom. inval. syn. sec. Ritz & al. (2016)
- = *Rebutia fischeriana* Slaba in Kaktusy (Brno) 38: 69. 2002 syn. sec. Ritz & al. (2016) ≡ *Aylostera fischeriana* (Slaba) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia brighignae* Mosti & Papini, Mosti & Papini in Cactus & Co. 9. 2005: 60 syn. sec. Ritz & al. (2016) ≡ *Aylostera brighignae* (Mosti & Papini) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- Aylostera eos* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2769-2785. 2011.** Sec. Ritz & al. (2016)
- ≡ *Rebutia eos* Rausch in Succulenta (Netherlands) 51(1): 2. 1972 syn. sec. Ritz & al. (2016) ≡ *Lobivia haagei* var. *eos* (Rausch) Rausch, Lobivia 85: 57. 1987 ["1985"] syn. sec. Ritz & al. (2016)
- = *Rebutia leucanthema* Rausch in Kakteen And. Sukk. 26: 125. 1975 syn. sec. Hunt (2016) ≡ *Aylostera leucanthema* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia violascens* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Kiesling & al. (2014) ≡ *Lobivia haagei* var. *violascens* (F.Ritter) Rausch, Lobivia 85: 57. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Aylostera violascens* (F.Ritter) Mosti & Papini in Pakistan J. Bot. 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- Aylostera malochii* (Slaba & Lad.Fisch.) Ritz in Plant Syst. Evol. 302(7): 777. 2016.** Sec. Ritz & al. (2016)
- ≡ *Rebutia malochii* Slaba & Lad.Fisch. in Kaktusy (Brno) 45: 11. 2009 syn. sec. Ritz & al. (2016)
- Aylostera mamillosa* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2769-2785. 2011.** Sec. Ritz & al. (2016)
- ≡ *Rebutia mamillosa* Rausch in Succulenta (Netherlands) 51(4): 69. 1972 syn. sec. Ritz & al. (2016)
- = *Rebutia froehlichiana* Rausch in Succulenta (Netherlands) 54: 226. 1975 syn. sec. Ritz & al. (2016) ≡ *Aylostera froehlichiana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)

= *Rebutia suphuthiana* Rausch in Kakteen And. Sukk. 27: 121. 1976 syn. sec. Hunt (2016) ≡ *Aylostera suphuthiana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)

***Aylostera pygmaea* (R.E.Fr.) Mosti & Papini in Pakistan J. Bot. 43: 2769–2785. 2011. Sec. Ritz & al. (2016)**

≡ *Echinopsis pygmaea* R.E.Fr. in Nova Acta Regiae Soc. Sci. Upsal. ser. 4, 1(1): 120. 1905 syn. sec. Ritz & al. (2016) ≡ *Rebutia pygmaea* (R.E.Fr.) Britton & Rose, Cactaceae 3: 47, fig. 60. 1922 syn. sec. Ritz & al. (2016) ≡ *Lobivia pygmaea* (R.E.Fr.) Backeb., Kaktus-ABC: 241. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Mediolobivia pygmaea* (R.E.Fr.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Ritz & al. (2016)

= *Echinocactus steinmannii* Solms in Bot. Zeitung (Berlin) 2. Abt. 65(Abt. 1): 133, fig. 4, 10. 1907 syn. sec. Ritz & al. (2007) ≡ *Rebutia steinmannii* (Solms) Britton & Rose, Cactaceae 3: 47. 1922 syn. sec. Ritz & al. (2016) ≡ *Lobivia steinmannii* (Solms) Backeb., Kaktus-ABC: 243. 1936 ["1935"] syn. sec. Ritz & al. (2007) ≡ *Mediolobivia steinmannii* (Solms) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Aylostera steinmannii* (Solms) Backeb., Cactaceae 3: 1528. 1959 syn. sec. Ritz & al. (2016)

= *Rebutia peterseimii* Frič ex Kreuz. in Möller's Deutsche Gärtner-Zeitung 44: 254. 1929 syn. sec. Kew WCVP (2019) ≡ *Lobivia nigricans* var. *peterseimii* (Frič ex Kreuz.) Rausch, Lobivia 85: 100. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia nigricans* var. *peterseimii* (Frič ex Kreuz.) Mosti in Cactus & Co. 4: 44. 2000, nom. illeg. syn. sec. Kew WCVP (2019)

= *Rebutia haagei* Frič & Schelle in Kaktusář 1: 88. 1930 syn. sec. Ritz & al. (2016) ≡ *Rebulobivia haagei* Frič & Schelle ex Backeb. & F.M.Knuth, Kaktus-ABC: 243. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Digitorebutia haagei* (Frič & Schelle) Frič ex Buining in Succulenta (Netherlands) 22: 52. 1940 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia haagei* (Frič & Schelle) Backeb. in Cactaceae (Berlin) 1941(2): 35. 1942 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia haagei* (Frič & Schelle) Backeb. ex Krainz in Sukkulantenkunde 1: 18. 1947 syn. sec. Ritz & al. (2016) ≡ *Acantholobivia haagei* (Frič & Schelle) Y.Itô, Explan. Diagr. Austroechinocactinae: 131. 1957 syn. sec. Tropicos ≡ *Aylostera haagei* (Frič & Schelle) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016) ≡ *Lobivia haagei* (Frič & Schelle) Wessner syn. sec. Ritz & al. (2016)

= *Rebutia costata* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 225. 1934 syn. sec. Kiesling & al. (2014) ≡ *Digitorebutia costata* (Werderm.) Buining in Succulenta (Netherlands) 22: 53. 1940 syn. sec. Kiesling & al. (2014) ≡ *Lobivia costata* (Werderm.) Wessner in Kakteenkunde 1940: 28. 1940 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia costata* (Werderm.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Ritz & al. (2016) ≡ *Lobivia steinmannii* var. *costata* (Werderm.) Rausch, Lobivia 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* var. *costata* (Werderm.) Mosti in Cactus & Co. 4: 91. 2000 syn. sec. Ritz & al. (2016)

= *Lobivia atrovirens* Backeb., Kaktus-ABC: 242, 414. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Digitorebutia atrovirens* (Backeb.) Buining in Succulenta (Netherlands) 22: 52. 1940 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia atrovirens* (Backeb.) Backeb. in Sukkulantenkunde 1: 18. 1947 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia haagei* var. *atrovirens* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Kew WCVP (2019) ≡ *Digitorebutia haagei* var. *atrovirens* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 11. 1957 ≡ *Mediolobivia pectinata* var. *atrovirens* (Backeb.) Backeb., Cactaceae 4: 1506. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* f. *atrovirens* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia atrovirens* (Backeb.) Sida, Atlas Kakt. 10: 40. 1995 syn. sec. Ritz & al. (2016) ≡ *Aylostera atrovirens* (Backeb.) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)

= *Lobivia digitiformis* Backeb., Kaktus-ABC: 242, 414. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Digitorebutia digitiformis* (Backeb.) Buining in Succulenta (Netherlands) 22: 52. 1940 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia digitiformis* (Backeb.) Backeb. in Sukkulantenkunde 1: 19. 1947 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia haagei* var. *digitiformis* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia pectinata* var. *digitiformis* (Backeb.) Backeb., Cactaceae 4: 1506. 1960 syn. sec. Kew WCVP (2019)

= *Lobivia eucaliptana* Backeb., Kaktus-ABC: 242, 414. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Mediolobivia eucaliptana* (Backeb.) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Ritz & al. (2016) ≡ *Mediolobivia costata* var. *eucaliptana* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Ritz & al. (2016) ≡ *Digitorebutia eucaliptana* (Backeb.) Buining in Succulenta (Netherlands) 1957: 53. 1957 syn. sec. Ritz & al. (2016) ≡ *Digitorebutia costata* var. *eucaliptana* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 11. 1957 ≡ *Rebutia costata* f. *eucaliptana* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia eucaliptana* (Backeb.) F.Ritter, Kakteen Südamerika 2: 602. 1980 syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* var. *eucaliptana* (Backeb.) Šida, Rod Rebutia: 27. 1997 syn. sec. Kew WCVP (2019)

= *Lobivia neohaageana* Backeb., Kaktus-ABC: 243. 1936 ["1935"] syn. sec. Kiesling & al. (2014)

= *Lobivia neohaageana* var. *flavovirens* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Mediolobivia pygmaea* var. *flavovirens* (Backeb.) Backeb., Cactaceae 3: 1503. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* f. *flavovirens* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia haagei* f. *flavovirens* (Backeb.) Šida, Rod Rebutia: 25. 1997 syn. sec. Kew WCVP (2019)

= *Lobivia nigripina* Backeb., Kaktus-ABC: 414. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Lobivia orurensis* Backeb., Kaktus-ABC: 243, 415. 1936 ["1935"] syn. sec. Ritz & al. (2016) ≡ *Digitorebutia orurensis* (Backeb.) Buining in Succulenta (Netherlands) 22: 52. 1940 ≡ *Mediolobivia orurensis* (Backeb.) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 65. 1942 ≡ *Mediolobivia haagei* var. *orurensis* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Ritz & al. (2016) ≡ *Digitorebutia haagei* var. *orurensis* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 11. 1957 syn. sec. Kew WCVP (2019) ≡ *Mediolobivia pectinata* var. *orurensis* (Backeb.) Backeb., Cactaceae 3: 1505. 1959 syn. sec. Ritz & al. (2016) ≡ *Rebutia orurensis* (Backeb.) F.Ritter, Kakteen Südamerika 2: 594. 1980 ≡ *Rebutia haagei* var. *orurensis* (Backeb.) Šida in Kaktusy (Brno) 26: 19. 1990 syn. sec. Kew WCVP (2019) ≡ *Aylostera orurensis* (Backeb.) Mosti & Papini in Pakistan J. Bot. 43: 2783. 2011 syn. sec. Ritz & al. (2016)

- = *Lobivia pectinata* Backeb., Kaktus-ABC: 243, 415. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Digitorebutia pectinata* (Backeb.) Buining in Succulenta (Netherlands) 22: 52. 1940 syn. sec. Schlumpberger (2021) ≡ *Mediolobivia pectinata* Backeb. ex Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Schlumpberger (2021) ≡ *Mediolobivia haagei* var. *pectinata* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Schlumpberger (2021) ≡ *Digitorebutia haagei* var. *pectinata* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 11. 1957 syn. sec. Schlumpberger (2021) ≡ *Rebutia pygmaea* var. *pectinata* (Backeb.) Šída, Rod Rebutia: 26. 1997 syn. sec. Schlumpberger (2021)
- = *Lobivia brachyantha* Wessner in Kakteen And. Sukk. 1937: 129, 207. 1937 syn. sec. Ritz & al. (2016) ≡ *Digitorebutia brachyantha* (Wessner) Buining in Succulenta (Netherlands) 22: 53. 1940 ≡ *Mediolobivia brachyantha* (Wessner) Krainz in Sukkulantenkunde 1: 19. 1947 syn. sec. Kew WCVP (2019) ≡ *Rebutia brachyantha* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 102. 1963 syn. sec. Hunt (2016) ≡ *Lobivia steinmannii* var. *brachyantha* (Wessner) Rausch, Lobivia 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* subsp. *brachyantha* (Wessner) Mosti in Cactus & Co. 4: 93. 2000 syn. sec. Kew WCVP (2019) ≡ *Aylostera brachyantha* (Wessner) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia nigricans* Wessner in Kakteenkunde 1940: 51. 1940 ≡ *Mediolobivia nigricans* (Wessner) Krainz in Sukkulantenkunde 1: 19. 1947 ≡ *Rebutia ritteri* var. *nigricans* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia nigricans* (Wessner) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997 ≡ *Aylostera nigricans* (Wessner) Mosti & Papini in Pakistan J. Bot. 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Mediolobivia haagei* var. *flavovirens* Backeb. in Cact. Succ. J. (Los Angeles) 23: 81. 1951 syn. sec. Kew WCVP (2019)
- = *Mediolobivia haefneriana* Cullmann in Kakteen And. Sukk. 6(2): 119. 1955 syn. sec. Kiesling & al. (2014) ≡ *Digitorebutia haefneriana* (Cullmann) Donald in Natl. Cact. Succ. J. 12: 10. 1957 syn. sec. Ritz & al. (2016) ≡ *Rebutia pygmaea* f. *haefneriana* (Cullmann) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia atrovirens* var. *haefneriana* (Cullmann) Rausch, Lobivia 85: 12. 1987 ["1985"] ≡ *Rebutia haefneriana* (Cullmann) Šída, Rod Rebutia: 28. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera haefneriana* (Cullmann) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Mediolobivia fuauxiana* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* f. *fuauxiana* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia fuauxiana* (Backeb.) Šída, Rod Rebutia: 28. 1997 syn. sec. Kew WCVP (2019)
- = *Mediolobivia pectinata* var. *neosteinmannii* Backeb., Descr. Cact. Nov. 1: 30. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* f. *neosteinmannii* (Backeb.) Buining & Donald in Cact. Succ. J. Gr. Brit. 27: 40. 1965 syn. sec. Kew WCVP (2019)
- = *Rebutia brunescens* Rausch in Kakteen And. Sukk. 23(9): 235. 1972 syn. sec. Ritz & al. (2016) ≡ *Aylostera brunescens* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2777. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia christinae* Rausch in Kakteen And. Sukk. 26(7): 145. 1975 syn. sec. Hunt (2016) ≡ *Lobivia steinmannii* var. *christinae* (Rausch) Rausch, Lobivia 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Aylostera christinae* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia diersiana* Rausch in Kakteen And. Sukk. 26(2): 25. 1975 syn. sec. Ritz & al. (2016) ≡ *Lobivia pygmaea* var. *diersiana* (Rausch) Rausch, Lobivia 85: 116. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* var. *diersiana* (Rausch) Lodé in Cact. Avent. 16: 17. 1992 syn. sec. Kew WCVP (2019) ≡ *Aylostera diersiana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia diersiana* var. *atrovirens* Rausch in Kakteen And. Sukk. 26(2): 26. 1975 syn. sec. Kiesling & al. (2014) ≡ *Rebutia diersiana* subsp. *atrovirens* (Rausch) Mosti in Cactus & Co. 3: 205. 1999 syn. sec. Kew WCVP (2019) ≡ *Aylostera diersiana* subsp. *atrovirens* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Kew WCVP (2019)
- = *Rebutia camargoensis* Rausch in Succulenta (Netherlands) 55: 42. 1976 syn. sec. Ritz & al. (2016) ≡ *Lobivia steinmannii* var. *camargoensis* (Rausch) Rausch, Lobivia 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Aylostera camargoensis* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia canacruzensis* Rausch in Kakteen And. Sukk. 27(3): 49. 1976 syn. sec. Ritz & al. (2016) ≡ *Lobivia haagei* var. *canacruzensis* (Rausch) Rausch, Lobivia 85: 56. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Aylostera canacruzensis* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia cincinnata* Rausch in Kakteen And. Sukk. 27(1): 4. 1976 syn. sec. Hunt (2016) ≡ *Rebutia steinmannii* var. *cincinnata* (Rausch) F.Ritter, Kakteen Südamerika 2: 602. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia steinmannii* var. *cincinnata* (Rausch) Rausch, Lobivia 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Aylostera cincinnata* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia friedrichiana* Rausch in Succulenta (Netherlands) 55(6): 103. 1976 syn. sec. Ritz & al. (2016) ≡ *Lobivia pygmaea* var. *friedrichiana* (Rausch) Rausch, Lobivia 85: 116. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* var. *friedrichiana* (Rausch) M.Erikss. in Kaktus (Odense) 23(4): 81. 1988 syn. sec. Tropicos ≡ *Aylostera friedrichiana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Ritz & al. (2016) – *Lobivia pygmaea* var. *friedrichiana* (Rausch) Rausch, Lobivia 85: 116. 1987 ["1985"] syn. sec. TPL (2013) [is misspelling for *Lobivia pygmaea* var. *friedrichiana* (Rausch) Rausch]
- = *Rebutia mudanensis* Rausch in Kakteen And. Sukk. 27(8): 169. 1976 syn. sec. Hunt (2016) ≡ *Lobivia haagei* var. *mudanensis* (Rausch) Rausch, Lobivia 85: 57. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* var. *mudanensis* (Rausch) Lodé in Cact. Avent. 16: 17. 1992 syn. sec. Kew WCVP (2019) ≡ *Rebutia haagei* subsp. *mudanensis* (Rausch) Mosti in Cactus & Co. 4: 37. 2000 syn. sec. Kew WCVP (2019) ≡ *Aylostera haagei* subsp. *mudanensis* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2781. 2011 syn. sec. Kew WCVP (2019)
- = *Rebutia brunneoradicata* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Kiesling & al. (2014) ≡ *Aylostera brunneoradicata* (F.Ritter) Mosti & Papini in Pakistan J. Bot. 43: 2780. 2011 syn. sec. Ritz & al. (2016)

- = *Rebutia colorea* F.Ritter in Kakteen And. Sukk. 28(4): 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Lobivia pygmaea* var. *colorea* (F.Ritter) Rausch, *Lobivia* 85: 116. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia pygmaea* var. *colorea* (F.Ritter) Lodé in *Cact. Avent.* 16: 17. 1992 syn. sec. Kew WCVP (2019) ≡ *Aylostera colorea* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia gracilispina* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Hunt (2016)
- = *Rebutia huasiensis* Rausch in Kakteen And. Sukk. 28(2): 25. 1977 syn. sec. Kiesling & al. (2014) ≡ *Lobivia atrovirens* var. *huasiensis* (Rausch) Rausch, *Lobivia* 85: 13. 1987 ["1985"] syn. sec. Kiesling & al. (2014) ≡ *Aylostera huasiensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia iridescens* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera iridescens* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia iscayachensis* Rausch in *Succulenta* (Netherlands) 56(12): 3. 1977 syn. sec. Ritz & al. (2016) ≡ *Lobivia pygmaea* var. *iscayachensis* (Rausch) Rausch, *Lobivia* 85: 116. 1987 ["1985"] ≡ *Rebutia pygmaea* var. *iscayachensis* (Rausch) Lodé in *Cact. Avent.* 16: 17. 1992 ≡ *Aylostera iscayachensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia lanosiflora* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia leucanthema* var. *cocciniflora* F.Ritter in *Succulenta* (Netherlands) 56: 63. 1977 syn. sec. Kew WCVP (2019)
- = *Rebutia mixta* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia mixticolor* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera mixticolor* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia odontopetala* F.Ritter in Kakteen And. Sukk. 28: 76. 1977 syn. sec. Hunt (2016)
- = *Rebutia pallida* Rausch in *Succulenta* (Netherlands) 56(10): 34. 1977 syn. sec. Kiesling & al. (2014) ≡ *Lobivia haagei* var. *pallida* (Rausch) Rausch, *Lobivia* 85: 57. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Aylostera pallida* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia pauciareolata* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Kiesling & al. (2014) ≡ *Aylostera pauciareolata* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia paucicostata* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia poecilantha* F.Ritter in Kakteen And. Sukk. 28: 77. 1977 syn. sec. Hunt (2016)
- = *Rebutia potosina* F.Ritter in Kakteen And. Sukk. 28: 77. 1977 syn. sec. Hunt (2016)
- = *Rebutia rauschii* Zecher in Kakteen And. Sukk. 28(4): 73. 1977 syn. sec. Ritz & al. (2016) ≡ *Lobivia steinmannii* var. *rauschii* (Zecher) Rausch, *Lobivia* 85: 129. 1987 ["1985"] syn. sec. Ritz & al. (2016)
- = *Rebutia rosalbiflora* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia rosalbiflora* var. *amblypetala* F.Ritter in Kakteen And. Sukk. 28: 76. 1977 syn. sec. Kiesling & al. (2014) ≡ *Rebutia amblypetala* (F.Ritter) Mosti in *Cactus & Co.* 3: 196. 1999 syn. sec. Ritz & al. (2016) ≡ *Aylostera amblypetala* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia rutiliflora* F.Ritter in Kakteen And. Sukk. 28(4): 76. 1977 syn. sec. Ritz & al. (2016)
- = *Rebutia salpingantha* F.Ritter in Kakteen And. Sukk. 28(4): 77. 1977 syn. sec. Kiesling & al. (2014)
- = *Rebutia torquata* F.Ritter & Buining in *Succulenta* (Netherlands) 56(3): 63. 1977 syn. sec. Kiesling & al. (2014) ≡ *Aylostera torquata* (F.Ritter & Buining) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia tropaeolipicta* F.Ritter in Kakteen And. Sukk. 28(4): 78. 1977 ≡ *Aylostera tropaeolipicta* (F.Ritter) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia zecheri* Rausch in *Succulenta* (Netherlands) 56(2): 30. 1977 syn. sec. Kiesling & al. (2014) ≡ *Lobivia atrovirens* var. *zecheri* (Rausch) Rausch, *Lobivia* 85: 13. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Aylostera zecheri* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia carmeniana* Rausch in Kakteen And. Sukk. 29(5): 105. 1978 syn. sec. Ritz & al. (2016) ≡ *Lobivia nigricans* var. *carmeniana* (Rausch) Rausch, *Lobivia* 85: 100. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Rebutia nigricans* subsp. *carmeniana* (Rausch) Mosti in *Cactus & Co.* 4: 44. 2000 syn. sec. Kew WCVP (2019) ≡ *Aylostera carmeniana* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Digitorebutia nazarenoensis* Rausch in *Succulenta* (Netherlands) 58: 186. 1979 ≡ *Rebutia nazarenoensis* (Rausch) B.Fearn & Percy, *Gen. Rebutia*: 71. 1981 syn. sec. Kew WCVP (2019) ≡ *Lobivia haagei* var. *nazarenoensis* (Rausch) Rausch, *Lobivia* 85: 57. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia pygmaea* var. *nazarenoensis* (Rausch) Lodé in *Cact. Avent.* 16: 17. 1992 syn. sec. Ritz & al. (2016) ≡ *Aylostera nazarenoensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia diersiana* var. *minor* Rausch in *Succulenta* (Netherlands) 58(11): 258. 1979 syn. sec. Kiesling & al. (2014) ≡ *Rebutia minor* (Rausch) Mosti in *Cactus & Co.* 4: 42. 2000 syn. sec. Ritz & al. (2016) ≡ *Aylostera minor* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia yuquinensis* Rausch in Kakteen And. Sukk. 31(10): 307. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia atrovirens* var. *yuquinensis* (Rausch) Rausch, *Lobivia* 85: 13. 1987 ["1985"] syn. sec. Kiesling & al. (2014) ≡ *Aylostera yuquinensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016) – *Digitorebutia yuquinensis* (Rausch) Rausch, *Lobivia* 85: 13. 1987 ["1985"], nom. inval. syn. sec. Kiesling & al. (2014)
- = *Rebutia villazonensis* F.H.Brandt in Kakteen Orch. Rundschau 1983(2): 16. 1983 syn. sec. Hunt (2016)
- = *Lobivia atrovirens* var. *pseudoritteri* Rausch, *Lobivia* 85: 13. 1987 ["1985"] syn. sec. Kiesling & al. (2014) ≡ *Rebutia pseudoritteri* (Rausch) Šida, *Rod Rebutia*: 28. 1997 syn. sec. Ritz & al. (2016) ≡ *Rebutia atrovirens* var. *pseudoritteri* (Rausch) Mosti in *Cactus & Co.* 3: 198. 1999 ≡ *Aylostera pseudoritteri* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)

- = *Lobivia atrovirens* var. *yuncharasensis* Rausch, *Lobivia* 85: 137. 1987 ["1985"] syn. sec. Kiesling & al. (2014) ≡ *Rebutia yuncharasensis* (Rausch) Šída, *Rod Rebutia*: 29. 1997 ≡ *Aylostera yuncharasensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia haagei* var. *crassa* Rausch, *Lobivia* 85: 140. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia crassa* (Rausch) Šída, *Rod Rebutia*: 26. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera crassa* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia haagei* var. *elegantula* Rausch, *Lobivia* 85: 57. 1987 ["1985"] syn. sec. Korotkova (2021) ≡ *Rebutia elegantula* (Rausch) Šída, *Rod Rebutia*: 25. 1997 syn. sec. Ritz & al. (2016) ≡ *Rebutia haagei* var. *elegantula* (Rausch) Mosti in *Cactus & Co.* 4: 37. 2000 syn. sec. Kew WCV (2019) ≡ *Aylostera haagei* subsp. *elegantula* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2781. 2011 syn. sec. Kew WCV (2019)
- = *Lobivia haagei* var. *pelziana* Rausch, *Lobivia* 85: 57, 140. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia pelziana* (Rausch) Šída, *Rod Rebutia*: 26. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera pelziana* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia nigricans* var. *albispina* Rausch, *Lobivia* 85: 100. 1987 ["1985"] syn. sec. Tropicos ≡ *Rebutia albispina* (Rausch) Šída, *Rod Rebutia*: 29. 1997 syn. sec. Tropicos ≡ *Rebutia nigricans* var. *albispina* (Rausch) Mosti in *Cactus & Co.* 4: 44. 2000 syn. sec. Kew WCV (2019) ≡ *Aylostera nigricans* subsp. *albispina* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Kew WCV (2019)
- = *Lobivia pygmaea* var. *knizei* Rausch, *Lobivia* 85: 144, 116. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia knizei* (Rausch) Šída, *Rod Rebutia*: 26. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera knizei* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia pygmaea* var. *minor* Rausch, *Lobivia* 85: 116. 1987 ["1985"] syn. sec. Ritz & al. (2016)
- = *Lobivia pygmaea* var. *nigrescens* Rausch, *Lobivia* 85: 116. 1987 ["1985"] syn. sec. Ritz & al. (2016)
- = *Lobivia pygmaea* var. *polypetala* Rausch, *Lobivia* 85: 144. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia polypetala* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera polypetala* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia pygmaea* var. *tafnaensis* Rausch, *Lobivia* 85: 144. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia tafnaensis* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera tafnaensis* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia pygmaea* var. *violaceostaminata* Rausch, *Lobivia* 85: 144. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia violaceostaminata* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera violaceostaminata* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *applanata* Rausch, *Lobivia* 85: 145. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia applanata* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera applanata* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2780. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *leucacantha* Rausch, *Lobivia* 85: 145. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia leucacantha* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* var. *leucacantha* (Rausch) Mosti in *Cactus & Co.* 4: 91. 2000 ≡ *Aylostera leucacantha* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *major* Rausch, *Lobivia* 85: 146. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia major* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera major* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *melanocentra* Rausch, *Lobivia* 85: 146. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia melanocentra* (Rausch) Šída, *Rod Rebutia*: 28. 1997 syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* var. *melanocentra* (Rausch) Mosti in *Cactus & Co.* 4: 92. 2000 ≡ *Aylostera melanocentra* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *parvula* Rausch, *Lobivia* 85: 146. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia parvula* (Rausch) Šída, *Rod Rebutia*: 28. 1997 syn. sec. Ritz & al. (2016) ≡ *Aylostera parvula* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Lobivia steinmannii* var. *tuberculata* Rausch, *Lobivia* 85: 145. 1987 ["1985"] syn. sec. Ritz & al. (2016) ≡ *Rebutia tuberculata* (Rausch) Šída, *Rod Rebutia*: 27. 1997 syn. sec. Ritz & al. (2016) ≡ *Rebutia steinmannii* var. *tuberculata* (Rausch) Mosti in *Cactus & Co.* 4: 92. 2000 syn. sec. Kew WCV (2019) ≡ *Aylostera tuberculata* (Rausch) Mosti & Papini in *Pakistan J. Bot.* 43: 2784. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia nigricans* var. *peterseimii* Buining & Donald ex Šída, *Rod Rebutia*: 29. 1997 syn. sec. Kew WCV (2019)
- = *Rebutia gavazzii* Mosti in *Cactus & Co.* 3: 207. 1999 syn. sec. Ritz & al. (2016) ≡ *Aylostera gavazzii* (Mosti) Mosti & Papini in *Pakistan J. Bot.* 43: 2781. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia marieae* Lad.Fisch. & Halda in *Acta Mus. Richnov., Sect. Nat.*, 9: 71. 2002 syn. sec. Ritz & al. (2016) ≡ *Aylostera marieae* (Lad.Fisch. & Halda) Mosti & Papini in *Pakistan J. Bot.* 43: 2782. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia odehnalii* Halda, Šeda & Šorma in *Acta Mus. Richnov., Sect. Nat.*, 9: 72. 2002 syn. sec. Ritz & al. (2016) ≡ *Aylostera odehnalii* (Halda, Šeda & Šorma) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia raffaellii* Mosti & Papini, Mosti & Papini in *Cactus & Co.* 9. 2005: 56 syn. sec. Ritz & al. (2016) ≡ *Aylostera raffaellii* (Mosti & Papini) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia rovidana* Mosti & Papini, Mosti & Papini in *Cactus & Co.* 9. 2005: 58 syn. sec. Ritz & al. (2016) ≡ *Aylostera rovidana* (Mosti & Papini) Mosti & Papini in *Pakistan J. Bot.* 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia albidula* Slaba, Šorma & Lad.Fisch. in *Kaktusy (Brno)* 47(3): 77. 2011 syn. sec. Ritz & al. (2016)
- = *Rebutia gavazzii* subsp. *gertii* V.Gapon in *Kaktus-Klub*, n.s. 4(2): 76. 2020 syn. sec. Korotkova (2021)

***Aylostera tuberosa* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 5. 1963.** Sec. Ritz & al. (2016)

≡ *Rebutia tuberosa* F.Ritter in Taxon 12: 28. 1963 syn. sec. Ritz & al. (2016)

= *Rebutia tarijensis* Rausch in Kakteen And. Sukk. 26(9): 195. 1975 syn. sec. Ritz & al. (2016) ≡ *Aylostera tarijensis* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)

= *Rebutia tarvitaensis* F.Ritter in Kakteen And. Sukk. 28: 78. 1977 syn. sec. Ritz & al. (2016) ≡ *Aylostera tarvitaensis* (F.Ritter) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)

= *Rebutia sumayana* Rausch in Succulenta (Netherlands) 65: 74. 1986 syn. sec. Ritz & al. (2016) ≡ *Aylostera sumayana* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2779. 2011 syn. sec. Ritz & al. (2016)

Aztekium Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 52. 1929. Sec. Vázquez-Sánchez & al. (2013)

Type: *Aztekium ritteri* (Boed.) Boed.

Notes. – The genus contains only three species; two of them (*A. ritteri* and *A. hintonii* Glass & W. A. Fitz Maur.) have been found well supported as sisters to each other (Vázquez-Sánchez & al. 2013). [Hernández-Ledesma & al. (2015)]

***Aztekium hintonii* Glass & W.A.Fitz Maur. in Cact. Suc. Mex. 37(1): 13. 1992.** Sec. Hernández & Gómez-Hinostroza (2011)

≡ ×*Aztekonia hintonii* (Glass & W.A.Fitz Maur.) Mottram in Cactician 5: 15. 2014 syn. sec. Kew WCVP (2019)

***Aztekium ritteri* (Boed.) Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 52. 1929.** Sec. Hernández & Gómez-Hinostroza (2011)

≡ *Echinocactus ritteri* Boed. in Z. Sukkulentenk.: 305. 1928 syn. sec. Guzmán Cruz & al. (2003)

***Aztekium valdezii* Velazco, M.A.Alvarado & S.Arias in Xerophilia special issue 2: 5. 2013.** Sec. Velazco Macías & al. (2013)

Bergerocactus Britton & Rose in Contr. U.S. Natl. Herb. 12: 435. 1909. Sec. Arias & al. (2005)

Type: *Bergerocactus emoryi* (Engelm.) Britton & Rose

Notes. – *Bergerocactus* is a monotypic genus within the *Pachycereinae* clade, and may be sister to *Nyctocereus* (Arias & al. 2005). *Bergerocactus emoryi* represents a unique tetraploid taxon, with the possibility of hybridizing with *Myrtillocactus* and *Pachycereus* in the floristic province of Baja California, where it is endemic. [Arias (2021)]

***Bergerocactus emoryi* (Engelm.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 474. 1909.** Sec. Hernández & Gómez-Hinostroza (2011)

≡ *Cereus emoryi* Engelm. in Amer. J. Sci. Arts, ser. 2, 14: 338. 1852 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus emoryi* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 804. 1885 syn. sec. Guzmán Cruz & al. (2003)

Blossfeldia Werderm. in Kakteenkunde 1937: 162. 1937. Sec. Hunt (2006)

Type: *Blossfeldia liliputana* Werderm.

Notes. – The monotypic peculiar genus *Blossfeldia* was repeatedly found as sister to the rest of the *Cactoideae* with high support (Nyffeler 2002; Bárcenas & al. 2011, Hernández-Hernández & al. 2011). [Korotkova & al. (2021)]

***Blossfeldia liliputana* Werderm. in Kakteenkunde: 162. 1937.** Sec. Anderson (2005)

≡ *Parodia liliputana* (Werderm.) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Anderson (2005)

= *Blossfeldia atroviridis* F.Ritter in Succulenta (Netherlands) 44: 23. 1965 syn. sec. Anderson (2005) ≡ *Blossfeldia liliputana* var. *atroviridis* (F.Ritter) Krainz, Kakteen 63: CVIe. 1975 syn. sec. Anderson (2005)

= *Blossfeldia pedicellata* F.Ritter in Succulenta (Netherlands) 44: 23. 1965 syn. sec. Anderson (2005) ≡ *Blossfeldia liliputana* var. *pedicellata* (F.Ritter) Krainz, Kakteen 63: CVIe. 1975 syn. sec. Anderson (2005)

= *Blossfeldia atroviridis* var. *intermedia* F.Ritter, Kakteen Südamerika 2: 551. 1980 syn. sec. Anderson (2005)

= *Blossfeldia liliputana* var. *formosa* F.Ritter, Kakteen Südamerika 2: 435. 1980 syn. sec. Anderson (2005)

= *Blossfeldia minima* F.Ritter, Kakteen Südamerika 2: 552. 1980 syn. sec. Anderson (2005)

= *Blossfeldia fechsleri* Backeb., Cactaceae 6: 3909. 1962 syn. sec. Anderson (2005) – *Blossfeldia liliputana* var. *fechsleri* (Backeb.) Krainz, Kakteen 63: CVIe. 1975, nom. inval. syn. sec. Anderson (2005) – *Blossfeldia liliputana* f. *fechsleri* (Backeb.) Krainz, Kat. ZSS, ed. 2: 39. 1967, nom. inval. syn. sec. Anderson (2005)

= *Blossfeldia liliputana* var. *caineana* Cárdenas in Cactus (Paris) 82: 53. 1964 syn. sec. Anderson (2005) – *Blossfeldia minima* var. *caineana* (Cárdenas) Hort. Knize, KK Index Cact.: 35. 1987, nom. inval. syn. sec. Egli (2021)

– *Blossfeldia campaniflora* Backeb. in Cact. Succ. J. Gr. Brit. 21: 32. 1959, nom. inval. syn. sec. Anderson (2005) – *Blossfeldia liliputana* var. *campaniflora* (Backeb.) Krainz, Kakteen 63: CVIe. 1975, nom. inval. syn. sec. Anderson (2005) – *Blossfeldia liliputana* f. *campaniflora* (Backeb.) Krainz, Kat. ZSS, ed. 2: 39. 1967, nom. inval. syn. sec. Anderson (2005)

– *Blossfeldia flocculosa* F.Ritter, Kakteen Südamerika 2: 435. 1980, nom. inval. syn. sec. Anderson (2005)

– *Blossfeldia mizqueana* Hort. Knize, KK, Index Cact.: 35. 1987, nom. inval. syn. sec. Egli (2021)

– *Blossfeldia subterranea* Hort. Knize, KK, Index Cact.: 35. 1987, nom. inval. syn. sec. Egli (2021)

– *Blossfeldia sucrensis* Hort. Knize, KK, Index Cact.: 35. 1987, nom. inval. syn. sec. Anderson (2005)

– *Blossfeldia tominensis* Hort. Knize, KK, Index Cact.: 35. 1987, nom. inval. syn. sec. Egli (2021)

Borzicactus Riccob. in Boll. Reale Orto Bot. Palermo 8: 261. 1909. Sec. Hunt (2016)

Type: *Borzicactus ventimigliae* Riccob.

- = *Borzicereus* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 39. 1935, nom. illeg. syn. sec. Kew WCVP (2019)
- = *Clistanthocereus* Backeb. in Cactaceae (Berlin) 1937(1): 24. 1937 syn. sec. Hunt (2006). Type: *Clistanthocereus fieldianus* (Britton & Rose) Backeb.
- = *Seticereus* Backeb. in Kakteen And. Sukk. 1: 37. 1937 syn. sec. Hunt (2006). Type: *Seticereus icosagonus* (Kunth) Backeb.
- = *Maritimocereus* Akers & Buining in Succulenta (Netherlands) 1950: 49. 1950 [as "*Maritimocereus*"] syn. sec. Hunt (2016)
- = *Akersia* Buining in Succulenta (Netherlands) 1961: 25. 1961 syn. sec. Schlumpberger & Renner (2012). Type: *Akersia roseiflora* Buining
- = *Borzicactella* H.Johnson ex F.Ritter, Kakteen Südamerika 4: 1385. 1981 syn. sec. Hunt (2006). Type: *Borzicactella tenuiserpens* (Rauh & Backeb.) F.Ritter
- = *Maritimocereus* Akers & Buining in Succulenta (Netherlands) 1950: 49. 1950 syn. sec. Hunt (2016)

Notes. – *Borzicactus* is reinstated based on the results of Schlumpberger & Renner (2012). Its circumscription has been the subject of some debate, as summarized by Bregman (1992). The exact delimitation of *Borzicactus* and the genera currently included or considered related to it is still unclear. [Hernández-Ledesma & al. (2015)]

***Borzicactus acanthurus* (Vaupel) Britton & Rose, Cactaceae 2: 161. 1920. Sec. Hunt (2016)**

- ≡ *Cereus acanthurus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 13. 1913 syn. sec. Hunt (2016) ≡ *Loxanthocereus acanthurus* (Vaupel) Backeb. in Cactaceae (Berlin) 1937(1): 24. 1937 syn. sec. Kew WCVP (2019) ≡ *Binghamia acanthura* (Vaupel) Borg, Cacti, ed. 2: 185. 1951 syn. sec. Hunt (2016) ≡ *Cleistocactus acanthurus* (Vaupel) D.R.Hunt in Bradleya 5: 92. 1987 syn. sec. Hunt (2016) ≡ *Echinopsis acanthura* (Vaupel) Molinari in Succulentopi@ 13: 18. 2015 syn. sec. Hunt (2016)
- = *Cereus eriotrichus* Werderm. & Backeb., Neue Kakteen: 80. 1931 syn. sec. Kew WCVP (2019) ≡ *Borzicactus eriotrichus* (Werderm. & Backeb.) Backeb. in Kakteen-Freund 3: 121. 1934 syn. sec. Hunt (2016) ≡ *Binghamia eriotricha* (Werderm. & Backeb.) Borg, Cacti, ed. 2: 185. 1951 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus eriotrichus* Backeb., Neue Kakteen: 80. 1931 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus keller-badensis* Backeb. & Krainz in Sukkulantenkunde 2: 22. 1948 syn. sec. Kew WCVP (2019) ≡ *Borzicactus keller-badensis* (Backeb. & Krainz) Krainz, Städtische Sukkulentensammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 39. 1967 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus acanthurus* var. *ferox* Backeb. in Cact. Succ. J. (Los Angeles) 23: 19. 1951 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus canetensis* Rauh & Backeb., Descr. Cact. Nov. 1: 16. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Cleistocactus acanthurus* subsp. *canetensis* (Rauh & Backeb.) Ostolaza in Cact. World 25: 218. 2007 syn. sec. Kew WCVP (2019) ≡ *Echinopsis acanthura* subsp. *canetensis* (Rauh & Backeb.) Molinari in Succulentopi@ 13: 18. 2015 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus erigens* Rauh & Backeb., Descr. Cact. Nov. 1: 16. 1957 ["1956"] syn. sec. Tropicos ≡ *Cleistocactus erigens* (Rauh & Backeb.) Ostolaza in Cact. World 25: 219. 2007 syn. sec. Kew WCVP (2019) ≡ *Echinopsis erigens* (Rauh & Backeb.) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Hunt (2016)
- = *Loxanthocereus eulalianus* Rauh & Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Loxanthocereus cantauensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 314. 1958 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus eulaliensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 317. 1958 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus gracilispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 307. 1958 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus multifloccosus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 309. 1958 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus pullatus* var. *brevispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 316. 1958 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus cullmannianus* Backeb., Cactaceae 6: 3674. 1962 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus neglectus* F.Ritter in Taxon 13(3): 116. 1964 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus neglectus* var. *chimbontensis* F.Ritter in Taxon 13(3): 116. 1964 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus bicolor* F.Ritter, Kakteen Südamerika 4: 1455. 1981 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus convergens* F.Ritter, Kakteen Südamerika 4: 1456. 1981 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus eremiticus* F.Ritter, Kakteen Südamerika 4: 1459. 1981 syn. sec. Tropicos
- = *Loxanthocereus pacaranensis* F.Ritter, Kakteen Südamerika 4: 1468. 1981 syn. sec. Kew WCVP (2019) ≡ *Haageocereus pacaranensis* F.Ritter syn. sec. Tropicos
- = *Haageocereus convergens* F.Ritter syn. sec. Tropicos
- = *Haageocereus eremiticus* F.Ritter syn. sec. Tropicos
- = *Haageocereus imperialensis* F.Ritter syn. sec. Tropicos
- = *Haageocereus neglectus* F.Ritter syn. sec. Tropicos
- = *Haageocereus pacaranensis* var. *tenuispinus* F.Ritter syn. sec. Tropicos

***Borzicactus acanthurus* subsp. *acanthurus*. Sec. Hunt (2016)**

- = *Loxanthocereus erectispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 15. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus erectispinus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 21: 92. 2003 syn. sec. Hunt (2016) ≡ *Echinopsis erectispina* (Rauh & Backeb.) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Kew WCVP (2019)

***Borzicactus acanthurus* subsp. *faustianus* (Backeb.) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

≡ *Borzicactus faustianus* Backeb. in Desert Pl. Life 5: 4. 1933 syn. sec. Hunt (2016) ≡ *Cereus faustianus* Backeb. in Kakteen-Freund 1: 53. 1933 syn. sec. Hunt (2016) ≡ *Loxanthocereus faustianus* (Backeb.) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 65. 1942 syn. sec. Hunt (2016) ≡ *Cleistocactus acanthurus* var. *faustianus* (Backeb.) Ostolaza in Brit. Cact. Succ. J. 14: 171. 1996 syn. sec. Hunt (2016) ≡ *Haageocereus faustianus* (Backeb.) F.Ritter, Neue Peru. Kakt.: 14. 1958 syn. sec. Hunt (2016) ≡ *Cleistocactus acanthurus* subsp. *faustianus* (Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Kew WCVP (2019) ≡ *Echinopsis acanthura* subsp. *faustiana* (Backeb.) Molinari & Mayta in Succulentopi@ 14: 19. 2015 syn. sec. Kew WCVP (2019)

***Borzicactus acanthurus* subsp. *pullatus* (Rauh & Backeb.) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

≡ *Loxanthocereus pullatus* Rauh & Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus acanthurus* var. *pullatus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 14: 171. 1996 syn. sec. Hunt (2016) ≡ *Cleistocactus acanthurus* subsp. *pullatus* (Rauh & Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Hunt (2016) ≡ *Loxanthocereus acanthurus* subsp. *pullatus* (Rauh & Backeb.) Ostolaza in Cact. World 27: 46. 2009 syn. sec. Hunt (2016) ≡ *Echinopsis acanthura* subsp. *pullata* (Rauh & Backeb.) Molinari in Succulentopi@ 13: 18. 2015 syn. sec. Hunt (2016)

***Borzicactus fieldianus* Britton & Rose, *Cactaceae* 4: 278. 1923. Sec. Hunt (2016)**

≡ *Clistanthocereus fieldianus* (Britton & Rose) Backeb. in Cactaceae (Berlin) 1937(1): 24. 1937 syn. sec. Hunt (2016) ≡ *Cleistocactus fieldianus* (Britton & Rose) D.R.Hunt in Bradleya 5: 92. 1987 syn. sec. Hunt (2016) ≡ *Echinopsis fieldiana* (Britton & Rose) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Hunt (2016)
= *Borzicactus calviflorus* F.Ritter in Taxon 13: 118. 1964 syn. sec. Kew WCVP (2019) ≡ *Clistanthocereus calviflorus* (F.Ritter) Backeb., Kakteenlex.: 91. 1966 syn. sec. Hunt (2016)
= *Borzicactus cajamarcensis* F.Ritter, Kakteen Südamerika 4: 1375. 1981 syn. sec. Kew WCVP (2019)

Borzicactus fieldianus* subsp. *fieldianus*. Sec. Hunt (2016)**Borzicactus fieldianus* subsp. *tessellatus* (Akers & Buining) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

≡ *Borzicactus tessellatus* Akers & Buining in Succulenta (Netherlands) 1954: 81. 1954 syn. sec. Hunt (2016) ≡ *Clistanthocereus tessellatus* (Akers & Buining) Backeb., Cactaceae 2: 939. 1959 syn. sec. Hunt (2016) ≡ *Borzicactus fieldianus* var. *tessellatus* (Akers & Buining) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 39. 1967 syn. sec. Hunt (2016) ≡ *Borzicactus fieldianus* var. *tessellatus* (Akers & Buining) Krainz ex F.Ritter, Kakteen Südamerika 4: 1377. 1981 syn. sec. Hunt (2016) ≡ *Cleistocactus fieldianus* subsp. *tessellatus* (Akers & Buining) Ostolaza in Brit. Cact. Succ. J. 21(2): 92. 2003 syn. sec. Hunt (2016) ≡ *Echinopsis fieldiana* subsp. *tessellata* (Akers & Buining) Molinari & Mayta in Succulentopi@ 14: 19. 2015 syn. sec. Korotkova (2021)

***Borzicactus hoffmannii* (G.J.Charles) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

≡ *Cleistocactus hoffmannii* G.J.Charles in Cactaceae Syst. Init. 20: 12-13. 2005 syn. sec. Kew WCVP (2019) ≡ *Echinopsis hoffmannii* (G.J.Charles) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Hunt (2016)
= *Loxanthocereus hoffmannii* F.Ritter, Kakteen Südamerika 4: 1461. 1981 syn. sec. Kew WCVP (2019)

***Borzicactus hoxeyi* G.J.Charles in *Bradleya* 31: 27. 2013. Sec. Hunt (2016)**

≡ *Loxanthocereus hoxeyi* (G.J.Charles) Lodé in Cact.-Avent. Int. 101: 14. 2014 syn. sec. Korotkova (2021)

Borzicactus hutchisonii* G.J.Charles in *Bradleya* 28: 3, 7, figs. 4-11, map. 2010. Sec. Hunt (2016)**Borzicactus hystrix* (Rauh & Backeb.) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

≡ *Loxanthocereus hystrix* Rauh & Backeb., Descr. Cact. Nov. 1: 15. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus hystrix* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 16(3): 133. 1998 syn. sec. Hunt (2016)
= *Loxanthocereus clavispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 15. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus clavispinus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 16(3): 133. 1998 syn. sec. Hunt (2016)
= *Loxanthocereus peculiaris* Rauh & Backeb., Descr. Cact. Nov. 1: 16. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Haageocereus peculiaris* (Rauh & Backeb.) F.Ritter, Neue Peru. Kakt.: 14, 36. 1958 syn. sec. Tropicos ≡ *Cleistocactus peculiaris* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 16: 129. 1998 syn. sec. Hunt (2016) ≡ *Echinopsis peculiaris* (Rauh & Backeb.) Molinari & Mayta in Succulentopi@ 14: 20. 2015 syn. sec. Korotkova (2021) – *Cleistocactus pedularis* (Rauh & Backeb.) Ostolaza syn. sec. Hunt (2016) [is misspelling for *Cleistocactus peculiaris* (Rauh & Backeb.) Ostolaza]
= *Loxanthocereus ferrugineus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 306. 1958 syn. sec. Kew WCVP (2019)
= *Loxanthocereus hystrix* var. *brunnescens* Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958: 312. 1958 syn. sec. Kew WCVP (2019)
= *Loxanthocereus deserticola* F.Ritter, Kakteen Südamerika 4: 1458. 1981 syn. sec. Tropicos ≡ *Haageocereus deserticola* F.Ritter syn. sec. Hunt (2016)
= *Loxanthocereus montanus* F.Ritter, Kakteen Südamerika 4: 1463. 1981 syn. sec. Tropicos
= *Haageocereus andinus* F.Ritter syn. sec. Tropicos
= *Haageocereus hystrix* F.Ritter syn. sec. Tropicos
= *Haageocereus montanus* F.Ritter syn. sec. Tropicos

***Borzicactus icosagonus* (Kunth) Britton & Rose, Cactaceae 2: 160. 1920. Sec. Hunt (2016)**

- ≡ *Cactus icosagonus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 67. 1823 syn. sec. Hunt (2016) ≡ *Cereus icosagonus* (Kunth) DC., Prodr. 3: 467. 1828 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus icosagonus* (Kunth) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 6. 1904 syn. sec. Hunt (2016) ≡ *Binghamia icosagona* (Kunth) Backeb., Kaktus-ABC: 197. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Seticereus icosagonus* (Kunth) Backeb. in Cactaceae (Berlin) 1937(2): 14. 1937 syn. sec. Hunt (2016) ≡ *Matucana icosagona* (Kunth) Buxb. in Krainz, Kakteen 54: C V b. 1973 syn. sec. Kew WCVP (2019)
- = *Cereus isogonus* K.Schum., Gesamtbeschr. Kakt.: 102. 1897 syn. sec. Kew WCVP (2019)
- = *Cereus aurivillus* K.Schum. in Monatsschr. Kakteenk. 13: 67. 1903 syn. sec. Kew WCVP (2019) ≡ *Borzicactus aurivillus* (K.Schum.) Britton & Rose, Cactaceae 2: 153. 1920 syn. sec. Hunt (2016) ≡ *Binghamia aurivilla* (K.Schum.) Backeb. in J. Cact. Succ. Soc. Amer. 4: 388. 1933 syn. sec. IPNI: 6 sept 2020 ≡ *Seticereus aurivillus* Backeb. in Cactaceae (Berlin) 1937(2): 14. 1937 syn. sec. Kew WCVP (2019) – *Binghamia aurivilla* Backeb., nom. inval., in obs. syn. sec. Kew WCVP (2019) in Blätt. Kakteenf. 1935(1): 7. 1935, nom. inval. syn. sec. Kew WCVP (2019)
- = *Seticereus ferrugineus* Backeb. in Cactaceae (Berlin) 1937(2): 14. 1937 syn. sec. Kew WCVP (2019) ≡ *Seticereus oehmianus* var. *ferrugineus* Backeb. in Kakteenkunde 1943: 31. 1943 syn. sec. Tropicos ≡ *Seticereus icosagonus* var. *ferruginea* (Backeb.) Backeb., Kakteenlex.: 406. 1966 syn. sec. Tropicos
- = *Seticereus oehmeanus* Backeb. in Cactaceae (Berlin) 1937(2): 14. 1937 ≡ *Seticereus oehmianus* Backeb. in Kakteen And. Sukk. 1: 186. 1937 syn. sec. Tropicos ≡ *Seticereus icosagonus* var. *oehmeanus* (Backeb.) Backeb., Cactaceae 2: 981. 1959 syn. sec. Tropicos
- = *Seticereus icosagonus* var. *aurantiaciflorus* Backeb. in Kakteenkunde 1943: 31. 1943 syn. sec. Tropicos ≡ *Borzicactus icosagonus* f. *aurantiaciflorus* (Backeb.) Krainz, Kakteen 15: C Vb. 1960 syn. sec. Kew WCVP (2019)
- = *Cleistocactus ×crassiserpens* Rauh & Backeb., Descr. Cact. Nov. 1: 17. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Loxanthocereus ×crassiserpens* (Rauh & Backeb.) Backeb., Cactaceae 6: 3674. 1962 syn. sec. Kew WCVP (2019) ≡ *Borzicactus crassiserpens* (Rauh & Backeb.) Lodé in Cact.-Avent. Int. 98(Suppl.): 3. 2013 syn. sec. Korotkova (2021) – *Cleistocactus ×crassiserpens* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 321. 1958, nom. inval. syn. sec. Kew WCVP (2019)
- = *Loxanthocereus trujilloensis* F.Ritter, Kakteen Südamerika 4: 1472. 1981 syn. sec. Kew WCVP (2019)

***Borzicactus icosagonus* subsp. *humboldtii* (Kunth) G.J.Charles in Bradleya 30: 101. 2012. Sec. Hunt (2016)**

- ≡ *Cactus humboldtii* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 66. 1823 syn. sec. Hunt (2016) ≡ *Cereus humboldtii* (Kunth) DC., Prodr. 3: 467. 1828 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus humboldtii* (Kunth) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 5. 1904 syn. sec. Hunt (2016) ≡ *Borzicactus humboldtii* (Kunth) Britton & Rose, Cactaceae 2: 163. 1920 syn. sec. Hunt (2016) ≡ *Binghamia humboldtii* (Kunth) Backeb. in Blätt. Kakteenf. 1934(10): 8, genus 48, sp. 2. 1934 syn. sec. Hunt (2016) ≡ *Seticereus humboldtii* (Kunth) Backeb. in Cactaceae (Berlin) 1937(2): 14. 1937 syn. sec. Tropicos ≡ *Matucana humboldtii* (Kunth) Buxb. in Krainz, Kakteen 54: CVb. 1973 syn. sec. Kew WCVP (2019)

Borzicactus icosagonus* subsp. *icosagonus*. Sec. Hunt (2016)**Borzicactus icosagonus* subsp. *roseiflorus* (Buining) G.J.Charles in Bradleya 30: 101. 2012. Sec. Hunt (2016)**

- ≡ *Akersia roseiflora* Buining in Succulenta (Netherlands) 1961: 25. 1961 syn. sec. Hunt (2016) ≡ *Cleistocactus roseiflorus* (Buining) G.D.Rowley in Brit. Cact. Succ. J. 18: 208. 2000 syn. sec. Hunt (2016)

***Borzicactus jajoanus* Backeb., Kaktus-ABC: 194, 411. 1936 ["1935"]. Sec. Hunt (2016)**

- ≡ *Loxanthocereus jajoanus* (Backeb.) Backeb. in Feddes Repert. 51: 64. 1942 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus jajoanus* (Backeb.) G.J.Charles in Cactaceae Syst. Init. 20: 13. 2005 syn. sec. Hunt (2016)
- = *Loxanthocereus riomajensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 319. 1958 syn. sec. Kew WCVP (2019)
- = *Echinopsis kellyana* Mayta in Succulentopi@ 14: 14. 2015 syn. sec. Kew WCVP (2019)

***Borzicactus leonensis* (Madsen) G.J.Charles in Cactaceae Syst. Init. 26: 14. 2012. Sec. Hunt (2016)**

- ≡ *Cleistocactus leonensis* Madsen, Fl. Ecuador 35(45): 18. 1989 syn. sec. Hunt (2016) ≡ *Borzicactus sepium* subsp. *leonensis* (Madsen) Guiggi in Cactology 5 (Suppl. II): 5. 2016 syn. sec. Korotkova (2021)

***Borzicactus longiserpens* (Leuenb.) G.J.Charles in Bradleya 28: 7. 2010. Sec. Hunt (2016)**

- ≡ *Cleistocactus longiserpens* Leuenb. in Bot. Jahrb. Syst. 124(1): 23. 2002
- = *Cactus serpens* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 68. 1823 syn. sec. Leuenberger (2002) ≡ *Cereus serpens* (Kunth) DC., Prodr. 3: 470. 1828 syn. sec. Leuenberger (2002) ≡ *Cleistocactus serpens* (Kunth) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 11. 1904 syn. sec. Leuenberger (2002) ≡ *Borzicactus serpens* (Kunth) Kimnach in Cact. Succ. J. (Los Angeles) 32: 95. 1960 syn. sec. Leuenberger (2002) ≡ *Bolivocereus serpens* (Kunth) Backeb., Cactaceae 6: 3476. 1962 syn. sec. Leuenberger (2002) ≡ *Borzicactella serpens* (Kunth) F.Ritter, Kakteen Südamerika 4: 1387. 1981 syn. sec. Leuenberger (2002) ≡ *Echinopsis serpens* (Kunth) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Korotkova (2021)

***Borzicactus longiserpens* subsp. *erecta* G.J.Charles in Bradleya 28: 8. 2010**

- ≡ *Borzicactella serpens* subsp. *erecta* (G.J.Charles) Guiggi in Cactology 5 (Suppl. II): 1. 2016

Borzicactus longiserpens* subsp. *longiserpens***Borzicactus morleyanus* Britton & Rose, Cactaceae 2: 160, fig. 230, 231. 1920. Sec. Hunt (2016)**

- ≡ *Cleistocactus sepium* var. *morleyanus* (Britton & Rose) Madsen, Fl. Ecuador 35: 21. 1996 syn. sec. Hunt (2016) ≡ *Borzicactus sepium* var. *morleyanus* (Britton & Rose) Krainz, Kakteen 46-48: CVb. 1971 syn. sec. Hunt (2016)

***Borzicactus neoroezlii* F.Ritter in *Kakteen And. Sukk.* 12: 55. 1961. Sec. Hunt (2016)**

- *Cleistocactus neoroezlii* (F.Ritter) Buxb. in Krainz, *Kakteen*: 57: CVb. 1974, comb. inval. syn. sec. Hunt (2016)
- = *Loxanthocereus sulcifer* var. *longispinus* Rauh & Backeb., *Descr. Cact. Nov.* 1: 14. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Cereus pseudothelegonus* Rauh & Backeb. in Backeberg, *Cactaceae* 2: 1136. 1959 syn. sec. Kew WCVP (2019) ≡ *Borzicactus pseudothelegonus* (Rauh & Backeb.) Rauh & Backeb., *Descr. Cact. Nov.* 3: 5. 1963 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus otuscensis* F.Ritter, *Kakteen Südamerika* 4: 1467. 1981 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus parvitesellatus* F.Ritter, *Kakteen Südamerika* 4: 1469. 1981 syn. sec. Kew WCVP (2019)

***Borzicactus pachycladus* (Rauh & Backeb.) G.J.Charles in *Cactaceae Syst. Init.* 26: 14. 2012. Sec. Hunt (2016)**

- ≡ *Loxanthocereus pachycladus* Rauh & Backeb., *Descr. Cact. Nov.* 1: 16. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus pachycladus* (Rauh & Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 8. 1998 syn. sec. Hunt (2016) ≡ *Echinopsis pachyclada* (Rauh & Backeb.) Molinari in *Succulentopi@* 13: 19. 2015 syn. sec. Hunt (2016)
- = *Loxanthocereus piscoensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 16. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Borzicactus piscoensis* (Rauh & Backeb.) Rauh in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.* 1958: 291. 1958 syn. sec. Kew WCVP (2019) ≡ *Oreocereus piscoensis* (Rauh & Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1365. 1981 syn. sec. Korotkova (2021)
- = *Loxanthocereus yauyosensis* F.Ritter, *Kakteen Südamerika* 4: 1476. 1981 syn. sec. Kew WCVP (2019)

***Borzicactus plagiostoma* (Vaupel) Britton & Rose, *Cactaceae* 2: 163. 1920. Sec. Hunt (2016)**

- ≡ *Cereus plagiostoma* Vaupel in *Bot. Jahrb. Syst.* 50(2-3, Beibl. 111): 20. 1913 syn. sec. Hunt (2016) ≡ *Binghamia plagiostoma* (Vaupel) Backeb. in *Cact. Succ. J. (Los Angeles)* 4: 388. 1933 syn. sec. Hunt (2016) ≡ *Cleistocactus plagiostoma* (Vaupel) D.R.Hunt in *Cactaceae Consensus Init.* 2: 3. 1997 syn. sec. Hunt (2016) ≡ *Echinopsis plagiostoma* (Vaupel) Molinari & Mayta in *Succulentopi@* 14: 20. 2015 syn. sec. Korotkova (2021)
- = *Borzicactus sammensis* F.Ritter in *Taxon* 13: 118. 1964 syn. sec. Hunt (2016) ≡ *Clistanthocereus sammensis* (F.Ritter) Backeb., *Kakteenlex.*: 91. 1966 syn. sec. Hunt (2016) ≡ *Cleistocactus fieldianus* subsp. *sammensis* (F.Ritter) Ostolaza in *Cactaceae Consensus Init.* 6: 8. 1998 syn. sec. Hunt (2016)
- = *Borzicactus purpureus* F.Ritter, *Kakteen Südamerika* 4: 1383. 1981 syn. sec. Kew WCVP (2019)

***Borzicactus sepium* (Kunth) Britton & Rose, *Cactaceae* 2: 160, fig. 229. 1920. Sec. Hunt (2016)**

- ≡ *Cactus sepium* Kunth, *Nov. Gen. Sp. (quarto ed.)* 6: 67. 1823 syn. sec. Britton & Rose (1920) ≡ *Cereus sepium* (Kunth) DC., *Prodr.* 3: 467. 1828 syn. sec. Britton & Rose (1920) ≡ *Cleistocactus sepium* (Kunth) F.A.C.Weber, *Rol.-Goss. in Bull. Soc. Centr. Agric. Hort. Acclim. Nice* 44: 36. 1904 syn. sec. Britton & Rose (1920) ≡ *Cleistocactus sepium* var. *sepium*
- = *Cereus roezlii* F.Haage ex K.Schum., *Gesamtbeschr. Kakt.*: 64. 1897 syn. sec. Jørgensen & al. (2014) ≡ *Cleistocactus roezlii* (F.Haage ex K.Schum.) Backeb., *Kaktus-ABC*: 190. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Borzicactus roezlii* (F.Haage ex K.Schum.) Backeb. in *Blätt. Kakteenf.* 1937(12): 6. 1937 syn. sec. Hunt (2016) ≡ *Borzicactus sepium* var. *roezlii* (F.Haage ex K.Schum.) Borg, *Cacti*, ed. 1: 147. 1937 syn. sec. Hunt (2016) ≡ *Seticereus roezlii* (F.Haage ex K.Schum.) Backeb. in *Sukkulentenkunde* 3: 5. 1949 syn. sec. Hunt (2016)
- = *Cleistocactus chotaensis* F.A.C.Weber ex Rol.-Goss., *Cleistocactus*: 19. 1904 syn. sec. Hunt (2016) ≡ *Cereus chotaensis* (F.A.C.Weber) Vaupel in *Monatsschr. Kakteenk.* 23: 25. 1913 syn. sec. Kew WCVP (2019)
- = *Borzicactus ventimigliae* Riccob. in *Boll. Reale Orto Bot. Palermo* 8: 262. 1909 syn. sec. Britton & Rose (1920) ≡ *Cereus ventimigliae* (Riccob.) Vaupel in *Monatsschr. Kakteenk.* 23: 13. 1913 syn. sec. Britton & Rose (1920) ≡ *Cleistocactus sepium* var. *ventimigliae* (Riccob.) Madsen, *Fl. Ecuador* 35(45): 22. 1989
- = *Cereus jajoianus* Backeb. in *Kakteen-Freund* 2(1): 4. 1933 syn. sec. Kew WCVP (2019)
- = *Borzicactus websterianus* Backeb. in *Blätt. Kakteenf.* 1937(11): 2. 1937 syn. sec. Hunt (2016)
- = *Borzicactus websterianus* var. *rufispinus* Backeb. in *Blätt. Kakteenf.* 1937(11): 2. 1937 syn. sec. Kew WCVP (2019)
- = *Borzicactus aequatorialis* Backeb., *Descr. Cact. Nov.* 1: 17. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Borzicactus sextonianus* (Backeb.) Kimmach in *Cact. Succ. J. (Los Angeles)* 32: 95. 1960. Sec. Hunt (2016)**

- ≡ *Erdisia sextoniana* Backeb., *Kaktus-ABC*: 411. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Cleistocactus sextonianus* (Backeb.) D.R.Hunt in *Cactaceae Syst. Init.* 15: 8. 2003 syn. sec. Hunt (2016) ≡ *Loxanthocereus sextonianus* Backeb., *Neue Kakteen*: 80. 1931 syn. sec. Kew WCVP (2019) ≡ *Cereus sextonianus* Backeb. in *Kakteen-Freund* 2(1): 4. 1933 syn. sec. Hunt (2016) ≡ *Echinopsis sextoniana* (Backeb.) Mayta in *Succulentopi@* 14: 15. 2015 syn. sec. Korotkova (2021) – *Cleistocactus sextonianus* (Backeb.) D.R.Hunt in *Bradleya* 9: 86. 1991, nom. inval. syn. sec. Hunt (2016)
- = *Maritinocereus gracilis* Akers & Buining in *Succulenta (Netherlands)* 1950: 50. 1950 syn. sec. Hunt (2016) ≡ *Loxanthocereus gracilis* (Akers & Buining) Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 300. 1958 syn. sec. Kew WCVP (2019) ≡ *Borzicactus gracilis* (Akers & Buining) Buxb. & Krainz in *Krainz, Kakteen* 21: C vb. 1962 syn. sec. Hunt (2016)
- = *Loxanthocereus aticensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 15. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Borzicactus gracilis* var. *aticensis* (Rauh & Backeb.) Krainz, *Kakteen* 21: C Vb. 1962 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus camanaensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 15. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Borzicactus gracilis* var. *camanaensis* (Rauh & Backeb.) Krainz, *Kakteen* 21: C Vb. 1962 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus nanus* Backeb., *Descr. Cact. Nov.* 1: 17. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Loxanthocereus splendens* Backeb., *Descr. Cact. Nov.* 1: 14. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Loxanthocereus puquiensis* F.Ritter, *Kakteen Südamerika* 4: 1470. 1981 syn. sec. Kew WCVP (2019)
- = *Loxanthocereus variabilis* F.Ritter, *Kakteen Südamerika* 4: 1473. 1981 syn. sec. Kew WCVP (2019)
- = *Haageocereus variabilis* F.Ritter syn. sec. Tropicos

***Borzicactus sulcifer* (Rauh & Backeb.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 95. 1960.** Sec. Hunt (2016)

≡ *Loxanthocereus sulcifer* Rauh & Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus sulcifer* (Rauh & Backeb.) Leuenb. in Bot. Jahrb. Syst. 124(1): 22. 2002 syn. sec. Hunt (2016)

= *Loxanthocereus granditessellatus* Rauh & Backeb., Descr. Cact. Nov. 1: 15. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus granditessellatus* (Rauh & Backeb.) Leuenb. in Bot. Jahrb. Syst. 124: 20. 2002 syn. sec. Hunt (2016)

***Borzicactus tenuiserpens* (Rauh & Backeb.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 95. 1960.** Sec. Hunt (2016)

≡ *Cleistocactus tenuiserpens* Rauh & Backeb., Descr. Cact. Nov. 1: 17. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Bolivicerus tenuiserpens* (Rauh & Backeb.) Backeb., Cactaceae 6: 3677. 1962 syn. sec. Hunt (2016) ≡ *Borzicactella tenuiserpens* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1378. 1981 syn. sec. Hunt (2016)

***Borzicactus xylorhizus* (F.Ritter) G.J.Charles in Cactaceae Syst. Init. 26: 14. 2012.** Sec. Hunt (2016)

≡ *Loxanthocereus xylorhizus* F.Ritter, Kakteen Südamerika 4: 1475. 1981 syn. sec. Hunt (2016) ≡ *Cleistocactus xylorhizus* (F.Ritter) Ostolaza in Brit. Cact. Succ. J. 14(4): 170. 1996 syn. sec. Hunt (2016) ≡ *Echinopsis xylorhiza* (F.Ritter) Molinari in Succulentopii@ 13: 19. 2015 syn. sec. Korotkova (2021)

Brachycereus Britton & Rose, Cactaceae 2: 120. 1920. Sec. Hunt (2006)

Type: *Brachycereus nesioticus* (K.Schum.) Backeb.

Notes. – Monotypic, not sampled in phylogenetic studies so far. [Korotkova & al. (2021)]

***Brachycereus nesioticus* (K.Schum.) Backeb., Kaktus-ABC: 176. 1936 ["1935"].** Sec. Hunt (2006)

≡ *Cereus nesioticus* K.Schum. in Proc. Amer. Acad. Arts 38: 179. 1902 syn. sec. Hunt (2006)

***Brasilicereus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938.** Sec. Hunt (2016)

Type: *Brasilicereus phaeacanthus* (Gürke) Backeb.

= *Bragaia* Esteves, Hofacker & P.J.Braun in Kakteen And. Sukk. 60(12): 328. 2009 syn. sec. Hunt (2006)

***Brasilicereus estevesii* (Hofacker & P.J.Braun) N.P.Taylor & M.Machado in Cactaceae Syst. Init. 25: 7. 2011.** Sec. Hunt (2016)

≡ *Bragaia estevesii* Hofacker & P.J.Braun in Kakteen And. Sukk. 60(12): 328. 2009

***Brasilicereus markgrafii* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 155. 1949.** Sec. Hunt (2016)

≡ *Cereus markgrafii* (Backeb. & Voll) P.J.Braun in Bradleya 6: 87. 1988

***Brasilicereus phaeacanthus* (Gürke) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 50. 1942.** Sec. Taylor & Zappi (2004)

≡ *Cereus phaeacanthus* Gürke in Monatsschr. Kakteenk. 18: 57. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus phaeacanthus* (Gürke) Britton & Rose, Cactaceae 2: 57. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Pilocereus phaeacanthus* (Gürke) Backeb., Kaktus-ABC: 333. 1936 ["1935"] syn. sec. Taylor & Zappi (2004)

= *Pilocereus verheinei* Rümpler, Handb. Cacteenk., ed. 2: 690. 1885 syn. sec. Kew WCVP (2019)

= *Brasilicereus breviflorus* F.Ritter, Kakteen Südamerika 1: 228. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus phaeacanthus* var. *breviflorus* (F.Ritter) P.J.Braun in Bradleya 6: 87. 1988 syn. sec. Kew WCVP (2019) ≡ *Brasilicereus phaeacanthus* subsp. *breviflorus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Taylor & Zappi (2004) ≡ *Brasilicereus phaeacanthus* var. *breviflorus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(2): 83. 1995 syn. sec. Taylor & Zappi (2004)

***Brasiliopuntia* (K.Schum.) A.Berger, Entwicklungslin. Kakt.: 17, 18, 94. 1926.** Sec. Köhler (2021)

Type: *Brasiliopuntia brasiliensis* (Willd.) A.Berger

≡ *Opuntia* subg. *Brasiliopuntia* K.Schum., Gesamtbeschr. Kakt.: 655. 1898 syn. sec. Hernández-Ledesma & al. (2015)

= *Mortolopuntia* Guiggi in Cactology 5 (Suppl. I): 1. 2015 syn. sec. Korotkova (2021)

Notes. – Originally monotypic with *B. brasiliensis*. Majure & al. (2012) found good support for a sister-group relation of *Opuntia schickendantzii* F.A.C.Weber, and transferred this species to *Brasiliopuntia* (Majure & Puente, 2014). Köhler & al. (2020) found strong support for a sister-relationship of *Brasiliopuntia* + *Tacinga* Britton & Rose. [Köhler (2021)]

***Brasiliopuntia brasiliensis* (Willd.) A.Berger, Entwicklungslin. Kakt.: 94. 1926.** Sec. Majure & al. (2012)

≡ *Cactus brasiliensis* Willd., Enum. Pl., Suppl.: 33. 1814 syn. sec. Berger (1926) ≡ *Opuntia brasiliensis* (Willd.) Haw., Suppl. Pl. Succ.: 79. 1819 syn. sec. Majure & al. (2012)

= *Cactus paradoxus* Hornem., Hort. Bot. Hafn. 2: 443. 1815 syn. sec. Kew WCVP (2019)

= *Cactus arboreus* Vell., Fl. Flumin.: 207. 1829 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia arborea* (Vell.) Steud., Nomencl. Bot., ed. 2, 2(2-5): 220. 1841 syn. sec. Taylor & Zappi (2004)

= *Cactus heterocladus* A.St.-Hil., Voy. Rio de Janeiro 2: 103. 1830 syn. sec. Taylor & Zappi (2004)

= *Cereus paradoxus* Steud., Nomencl. Bot., ed. 2, 1: 335. 1840 syn. sec. Kew WCVP (2019)

= *Opuntia hieronymi* Griseb. in Abh. Königl. Ges. Wiss. Göttingen 24: 140. 1879 syn. sec. Kew WCVP (2019)

= *Opuntia bahiensis* Britton & Rose, Cactaceae 1: 210–211, f. 271. 1919 syn. sec. Majure & al. (2012) ≡ *Brasiliopuntia bahiensis* (Britton & Rose) A.Berger, Entwicklungslin. Kakt.: 17. 1926 syn. sec. Majure & al. (2012) ≡ *Opuntia brasiliensis* subsp. *bahiensis* (Britton & Rose) P.J.Braun & Esteves in Succulentes (France) 74(3): 132. 1995 syn. sec. Majure & al. (2012) ≡ *Brasiliopuntia brasiliensis* subsp. *bahiensis* (Britton & Rose) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"] syn. sec. Majure & al. (2012)

- = *Brasiliopuntia neoargentina* Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Majure & al. (2012) ≡ *Opuntia neoargentina* (Backeb.) G.D.Rowley in Nat. Cact. & Succ. Journ. 13: 4. 1958 syn. sec. Majure & al. (2012)
 = *Brasiliopuntia subacarpa* Rizzini & A.Mattos in Revista Brasil. Biol. 46: 324. 1986 syn. sec. Majure & al. (2012) ≡ *Opuntia brasiliensis* subsp. *subacarpa* (Rizzini & A.Mattos) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 132. 1995 syn. sec. Majure & al. (2012) ≡ *Brasiliopuntia brasiliensis* subsp. *subacarpa* (Rizzini & A.Mattos) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"] syn. sec. Majure & al. (2012)

***Brasiliopuntia schulzii* (A.Cast. & H.V.Lelong) Backeb., Cactaceae 1: 373. 1958. Sec. Pin (1998)**

- ≡ *Opuntia schulzii* A.Cast. & H.V.Lelong in Lilloa 10: 400. 1944 syn. sec. Pin (1998)
 = *Opuntia argentina* Griseb., Symb. Fl. Argent.: 140. 1874 syn. sec. Köhler (2021) ≡ *Brasiliopuntia argentina* (Griseb.) A.Berger, Entwicklunslin. Kakt.: 17. 1926 syn. sec. Köhler (2021)

Browningia Britton & Rose, Cactaceae 2: 63. 1920. Sec. Hunt (2016)

Type: *Browningia candelaris* (Meyen) Britton & Rose

- = *Gymnanthocereus* Backeb. in Blätt. Kakteenf. 1937(8): Nachtr. 15 [2]. 1937 syn. sec. Hunt (2006). Type: *Gymnanthocereus chlorocarpus* (Kunth) Backeb.
 = *Azureocereus* Akers & H.Johnson in Cact. Succ. J. (Los Angeles) 21: 133. 1949 syn. sec. Hunt (2006). Type: *Azureocereus nobilis* Akers
 = *Gymnocereus* Backeb., Cactaceae 2: 920. 1959, nom. illeg. syn. sec. Hunt (2006). Type: *Gymnocereus microspermus* (Werderm. & Backeb.) Backeb.

***Browningia altissima* (F.Ritter) Buxb. in Krainz, Kakteen 31-32: Civ/I, in obs. 1965. Sec. Hunt (2016)**

- ≡ *Gymnanthocereus altissimus* F.Ritter in Cactus (Paris) 62: 119. 1959 syn. sec. Hunt (2006) ≡ *Gymnocereus altissimus* (F.Ritter) Backeb., Cactaceae 6: 3667. 1962
 = *Gymnocereus altissima* Backeb. syn. sec. Hunt (2006)

***Browningia amstutziae* (Rauh & Backeb.) Hutchison ex Krainz, Kakteen: 31. 1965. Sec. Hunt (2016)**

- ≡ *Gymnocereus amstutziae* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 284. 1958 syn. sec. Hunt (2006) ≡ *Gymnanthocereus amstutziae* (Rauh & Backeb.) Guiggi in Cactology 5: 14. 2014 syn. sec. Korotkova (2021)

***Browningia candelaris* (Meyen) Britton & Rose, Cactaceae 2: 63. 1920. Sec. Hunt (2016)**

- ≡ *Cereus candelaris* Meyen in Allg. Gartenzeitung 1: 211. 1833 syn. sec. Hunt (2006) ≡ *Cactus candelaris* (Meyen) Meyen, Reise Eur. As. Afr. 2: 40. 1835 syn. sec. Hunt (2006)

***Browningia candelaris* subsp. *candelaris*. Sec. Hunt (2006)**

***Browningia candelaris* subsp. *icaensis* (F.Ritter) D.R.Hunt in Cactaceae Syst. Init. 14: 12. 2002. Sec. Hunt (2006)**

- ≡ *Browningia icaensis* F.Ritter, Kakteen Südamerika 4: 1320. 1981 syn. sec. Hunt (2006)

***Browningia chlorocarpa* (Kunth) W.T.Marshall in Cact. Succ. J. (Los Angeles) 17: 114. 1945. Sec. Hunt (2016)**

- ≡ *Cactus chlorocarpus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 67. 1823 syn. sec. Hunt (2006) ≡ *Cereus chlorocarpus* (Kunth) DC., Prodr. 3: 466. 1828 syn. sec. Tropicos ≡ *Seticereus chlorocarpus* (Kunth) Backeb., Neue Kakteen: 77. 1931 syn. sec. Tropicos
 ≡ *Gymnanthocereus chlorocarpus* (Kunth) Backeb. in Blätt. Kakteenf. 1937(7): 2. 1937 syn. sec. Kew WCVP (2019) ≡ *Lemaireocereus chlorocarpus* (Kunth) Borg, Cacti, ed. 2: 167. 1951 syn. sec. Tropicos

***Browningia columnaris* F.Ritter, Kakteen Südamerika 4: 1323. 1981. Sec. Hunt (2016)**

- ≡ *Azureocereus columnaris* (F.Ritter) Lodé in Cact.-Avent. Int. 103: 18. 2014 syn. sec. Korotkova (2021) ≡ *Azureocereus herlingianus* subsp. *columnaris* (F.Ritter) Guiggi in Cactology 5: 6. 2014 syn. sec. Korotkova (2021)

***Browningia hernandezii* Fern.Alonso in Revista Acad. Colomb. Ci. Exact. 30: 20. 2006. Sec. Hunt (2016)**

- ≡ *Gymnanthocereus hernandezii* (Fern.Alonso) Guiggi in Cactology 5: 14. 2014 syn. sec. Korotkova (2021)

***Browningia herlingiana* (Backeb.) Buxb. in Krainz, Kakteen 31-32: Civ/I. 1965. Sec. Hunt (2016)**

- ≡ *Clistanthocereus herlingianus* Backeb. in Cactaceae (Berlin) 1937(1): 24. 1937 syn. sec. Hunt (2006) ≡ *Azureocereus herlingianus* (Backeb.) Backeb. in Cactus (Paris) 52: 104. 1956 syn. sec. Hunt (2006)
 = *Azureocereus nobilis* Akers in Cact. Succ. J. (Los Angeles) 21: 124. 1949 syn. sec. Kew WCVP (2019)
 = *Azureocereus viridis* Rauh & Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Browningia viridis* (Rauh & Backeb.) Buxb. in Krainz, Kakteen 31-32: C IV/1. 1965 syn. sec. Hunt (2006) ≡ *Azureocereus herlingianus* f. *viridis* (Rauh & Backeb.) Guiggi in Cactology 5: 6. 2014
 = *Azureocereus ciliisquamus* F.Ritter syn. sec. Tropicos

***Browningia macracantha* (F.Ritter) Wittner in Bradleya 38: 57. 2020. Sec. Wittner (2020)**

- ≡ *Gymnanthocereus macracanthus* F.Ritter, Kakteen Südamerika 4: 1317. 1981 syn. sec. Wittner (2020)

***Browningia microsperma* (Werderm. & Backeb.) W.T.Marshall in Cactus (Paris) 3: 8. 1946. Sec. Hunt (2016)**

- ≡ *Cereus microspermus* Werderm. & Backeb., Neue Kakteen: 80. 1931 syn. sec. Hunt (2006) ≡ *Trichocereus microspermus* (Werderm. & Backeb.) Borg, Cacti, ed. 1: 141. 1937 syn. sec. Kew WCVP (2019) ≡ *Gymnanthocereus microspermus* (Werderm. & Backeb.) Backeb. in Blätt. Kakteenf. 1938(1): 4. 1938 syn. sec. Kew WCVP (2019) ≡ *Gymnocereus microspermus* (Werderm. & Backeb.) Backeb., Cactaceae 2: 923. 1959 syn. sec. Kew WCVP (2019)
 = *Browningia albiceps* F.Ritter, Kakteen Südamerika 4: 1322. 1981 syn. sec. Hunt (2016)

***Browningia pilleifera* (F.Ritter) Hutchison in J. Cact. Succ. Soc. Amer. 40: 23. 1968.** Sec. Hunt (2016)

≡ *Gymnanthocereus pilleifer* F.Ritter in Succulenta (Netherlands) 46: 24. 1967 syn. sec. Hunt (2006)

***Browningia utubambensis* Hutchison ex Wittner in Kakteen And. Sukk. 63(10): 269. 2012.** Sec. Hunt (2016)

***Calymmanthium* F.Ritter in Kakteen And. Sukk. 13: 25. 1962.** Sec. Korotkova & al. (2010)

Type: *Calymmanthium substerile* F.Ritter

– *Diploperianthium* F.Ritter, Seed Catalogue/Samenkatalog - H.Winter: 5. 1957, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – Monotypic; sampled by Korotkova & al. (2010) and resolved as sister to *Lymanbensonia* Kimmach. [Hernández-Ledesma & al. (2015)]

***Calymmanthium substerile* F.Ritter in Kakteen And. Sukk. 13: 25. 1962.** Sec. Hunt (2006)

= *Calymmanthium fertile* F.Ritter, Kakteen Südamerika 4: 1266. 1981 syn. sec. Hunt (2006) ≡ *Calymmanthium substerile* subsp. *fertile* (F.Ritter) Guiggi in Cactology 5 (Suppl. II): 1. 2016 – *Calymmanthium fertile* F.Ritter in Succulenta (Netherlands) 45: 117, 135. 1966, nom. inval. syn. sec. Hunt (2006)

***Carnegiea* Britton & Rose in J. New York Bot. Gard. 9: 187. 1908.** Sec. Parfitt & Gibson (2003)

Type: *Carnegiea gigantea* (Engelm.) Britton & Rose

Notes. – Monotypic; sampled in several phylogenetic studies, first found as sister to *Pachycereus* (A.Berger) Britton & Rose (Arias & al. 2005), but without support. Later found nested in *Pachycereus*, as sister to *P. pecten-aboriginum* (Engelm. ex S.Watson) Britton & Rose with high support (Hernández-Hernández & al. 2011), yet the whole *Pachycereus* clade was only weakly supported in this study. *Carnegiea* is therefore still accepted here as a separate genus. [Korotkova & al. (2021)]

***Carnegiea gigantea* (Engelm.) Britton & Rose in J. New York Bot. Gard. 9: 188. 1908.** Sec. Parfitt & Gibson (2003)

≡ *Cereus giganteus* Engelm. in Amer. J. Sci. Arts, ser. 2, 14: 335-337. 1852 syn. sec. Parfitt & Gibson (2003) ≡ *Pilocereus giganteus* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 662. 1885 syn. sec. Parfitt & Gibson (2003)

= *Carnegiea gigantea* f. *cristata* P.V.Heath in Calyx 2: 108. 1992 syn. sec. Kew WCVP (2019)

***Castellanosia* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 90. 1951.** Sec. Hernández-Hernández & al. (2011)

Type: *Castellanosia caineana* Cárdenas

Notes. – Monotypic; sampled by Nyffeler 2002; Bárcenas & al. 2011 and Hernández-Hernández & al. 2011, resolved as sister to *Leptocereus* (A.Berger) Britton & Rose + *Dendrocereus* Britton & Rose by the latter, albeit with support <50%. [Korotkova & al. (2021)]

***Castellanosia caineana* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 90. 1951.** Sec. Hunt (2006)

≡ *Browningia caineana* (Cárdenas) D.R.Hunt in Bradleya 9: 85. 1991 syn. sec. Hunt (2006)

***Cephalocereus* Pfeiff. in Allg. Gartenzeitung 6: 142. 1838.** Sec. Tapia & al. (2017)

Type: *Cephalocereus senilis* (Haw.) Pfeiff.

≡ *Pilocereus* Lem., Cact. Gen. Sp. Nov.: 6-7. 1839, nom. illeg. syn. sec. Tapia & al. (2017). Type: *Pilocereus senilis* (Haw.) Lem.

= *Cephalophorus* Lem., Cact. Aliq. Nov.: 7. 1838, nom. illeg. syn. sec. Anderson (2005)

= *Cephalocereus* subg. *Mitrocereus* Backeb. in Blätt. Kakteenf. 1938(6): 17. 1938 syn. sec. Tapia & al. (2017)

≡ *Mitrocereus* (Backeb.) Backeb. in Cactaceae (Berlin) 1941(2): 77. 1942 syn. sec. Tapia & al. (2017). Type: *Mitrocereus chrysomallus* (Lem.) Backeb.

= *Neobuxbaumia* Backeb. in Blätt. Kakteenf. 1938(6): 17, 8, 12, 24. 1938 syn. sec. Tapia & al. (2017). Type: *Neobuxbaumia tetetzo* (F.A.C.Weber ex J.M.Coult.) Backeb.

= *Haseltonia* Backeb. in Blätt. Sukkulenteenk. 1: 3. 1949 syn. sec. Tapia & al. (2017). Type: *Haseltonia hoppenstedtii* (F.A.C.Weber) Backeb.

= *Neodawsonia* Backeb. in Blätt. Sukkulenteenk. 1: 4. 1949 syn. sec. Tapia & al. (2017). Type: *Neodawsonia apicicephalum* (E.Y.Dawson) Backeb.

= *Carnegiea* subg. *Rooksbya* Backeb. in Cact. Succ. J. (Los Angeles) 22(5): 154. 1950

≡ *Rooksbya* (Backeb.) Backeb., Cactaceae 4: 2165. 1960 syn. sec. Tapia & al. (2017). Type: *Rooksbya euphorbioides* (Haw.) Backeb.

= *Pseudomitrocereus* Bravo & Buxb. in Bot. Stud. 12: 53. 1961 syn. sec. Tapia & al. (2017). Type: *Pseudomitrocereus fulviceps* (F.A.C.Weber ex K.Schum.) Bravo & Buxb.

Notes. – **Phylogenetics:** Tapia et al. (2017) have reconstructed the phylogeny of the *Cephalocereus* group using molecular data from seven plastid DNA regions (*petL-psbE*, *psbA-trnH*, *rpl16*, *rpl32-trnL*, *trnL-F*, *trnQ-rps16*, and *ycf1*), as well as morphological characters. The *Cephalocereus* group was recovered as monophyletic with high support values, whereas *Neobuxbaumia* appeared as paraphyletic. The *Cephalocereus* group was recovered as monophyletic with high support values, whereas *Neobuxbaumia* Backeb. appeared as paraphyletic. The authors have therefore proposed to unite all species of *Neobuxbaumia*, *Cephalocereus*, and *Pseudomitrocereus* Bravo & Buxb. in one single genus, for which *Cephalocereus* is the oldest name. [Arias (2021)].

***Cephalocereus apicicephalum* E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 10–12, t. 3–6, f. 8–9, 11–13. 1948. Sec. Tapia & al. (2017)**

- ≡ *Neodawsonia apicicephalum* (E.Y.Dawson) Backeb. in Blätt. Sukkulentuk. 1: 4. 1949 syn. sec. Guzmán Cruz & al. (2003)
- = *Neodawsonia guengolensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 27: 12. 1956 syn. sec. Guzmán Cruz & al. (2003)
- = *Neodawsonia nana* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 27: 15. 1956 syn. sec. Guzmán Cruz & al. (2003)
- = *Neodawsonia apicicephalum* subsp. *totalapensis* Guiggi in Cactology 5 (Suppl. 11): 2. 2020 syn. sec. Korotkova (2021) – *Neodawsonia apicicephalum* subsp. *totalapensis* Guiggi in Cactology 5 (Suppl. 8): 14. 2020, nom. inval. syn. sec. Korotkova (2021)

***Cephalocereus columna-trajani* (Karw. ex Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 198. 1897. Sec. Tapia & al. (2017)**

- ≡ *Cereus columna-trajani* Karw. ex Pfeiff., Enum. Diagn. Cact.: 76. 1837 syn. sec. Tapia & al. (2017) ≡ *Cephalophorus columna-trajani* (Karw. ex Pfeiff.) Lem., Cact. Aliq. Nov. Desc.: 12. 1831 syn. sec. Tapia & al. (2017) ≡ *Pilocereus columna-trajani* (Karw. ex Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 9. 1839 syn. sec. Tapia & al. (2017) ≡ *Cephalocereus columna* (Karw. ex Pfeiff.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 182. 1894 syn. sec. Tapia & al. (2017) ≡ *Pachycereus columna-trajani* (Karw. ex Pfeiff.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 421. 1909 syn. sec. Tapia & al. (2017) ≡ *Mitrocereus columna-trajani* (Karw. ex Pfeiff.) Backeb. ex E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 4. 1948 syn. sec. Tapia & al. (2017) ≡ *Haseltonia columna-trajani* (Karw. ex Pfeiff.) Backeb., Cactaceae 4: 2263. 1960 syn. sec. Tapia & al. (2017)
- = *Pilocereus columna* Lem., Cact. Gen. Sp. Nov.: 9. 1839 syn. sec. Kew WCVP (2019)
- = *Cereus columna* Walp., Repert. Bot. Syst. 5: 818. 1846 syn. sec. Kew WCVP (2019)
- = *Cereus lateribarbatus* Lem. in Rev. Hort. 34: 427. 1862 syn. sec. Kew WCVP (2019)
- = *Pilocereus hoppenstedtii* F.A.C.Weber in Cat. Pfersdorff. 1864 syn. sec. Britton & Rose (1920) ≡ *Cereus hoppenstedtii* (F.A.C.Weber) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894 syn. sec. Britton & Rose (1920) – *Cereus hoppenstedtii* (F.A.C.Weber) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 70. 1905, comb. inval. syn. sec. Tropicicos
- = *Pilocereus hoppenstedtii* Roezl ex Rümpler, Handb. Cacteenk., ed. 2: 667. 1885 syn. sec. Tapia & al. (2017) ≡ *Cephalocereus hoppenstedtii* (Roezl ex Rümpler) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894 syn. sec. Tapia & al. (2017) ≡ *Cereus hoppenstedtii* (Roezl ex Rümpler) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 70. 1905 syn. sec. Tapia & al. (2017) ≡ *Haseltonia hoppenstedtii* (F.A.C.Weber) Backeb. in J. Cact. Succ. Soc. Austral. 1: 3. 1949 syn. sec. Tapia & al. (2017) ≡ *Pilocereus hoppenstedtii* (Roezl ex Rümpler) Mottet, Dict. Prat. Hort. 5: 739. 1899 syn. sec. Tapia & al. (2017)
- = *Pilocereus lateribarbatus* Pfeiff. ex Rümpler, Handb. Cacteenk., ed. 2: 672. 1885 syn. sec. Kew WCVP (2019)
- = *Cereus hoogendorpii* Kuntze, Monatsschr. Kakteenk. 4: 80. 1894 syn. sec. Britton & Rose (1920) ≡ *Pilocereus hoogendorpii* Ortgies ex K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894 syn. sec. Britton & Rose (1920)
- = *Pilocereus lateralis* F.A.C.Weber, Dict. Hort. 2: 966. 1898 syn. sec. Kew WCVP (2019)

***Cephalocereus euphorbioides* (Haw.) Britton & Rose, Cactaceae 2: 33. 1920. Sec. Tapia & al. (2017)**

- ≡ *Cereus euphorbioides* Haw., Suppl. Pl. Succ.: 75. 1819 syn. sec. Tapia & al. (2017) ≡ *Cactus euphorbioides* (Haw.) Spreng., Syst. Veg., ed. 16, 2: 496. 1825 syn. sec. Tapia & al. (2017) ≡ *Pilocereus euphorbioides* (Haw.) Rümpler, Handb. Cacteenk., ed. 2, 2(16): 658. 1886 syn. sec. Tapia & al. (2017) ≡ *Lemaireocereus euphorbioides* (Haw.) Werderm. in Kakteenkunde: t. 84. 1934 syn. sec. Tapia & al. (2017) ≡ *Carnegiea euphorbioides* (Haw.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1944: 13. 1944 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia euphorbioides* (Haw.) Buxb. in Cactus (Paris) 40: 52. 1954 syn. sec. Tapia & al. (2017) ≡ *Neodawsonia euphorbioides* (Haw.) Buxb. in Krainz, Kakteen 15: CIII. 1957 syn. sec. Tropicicos ≡ *Rooksbya euphorbioides* (Haw.) Backeb., Cactaceae 4: 2167. 1960 syn. sec. Tapia & al. (2017)
- = *Cereus olfersii* Salm-Dyck, Hort. Dyck.: 335. 1834 syn. sec. Tapia & al. (2017) ≡ *Neodawsonia euphorbioides* var. *olfersii* (Salm-Dyck) Backeb., Cactaceae 4: 2170. 1960 syn. sec. Tropicicos ≡ *Rooksbya euphorbioides* var. *olfersii* (Salm-Dyck) Backeb., Cactaceae 4: 2170. 1960 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia euphorbioides* var. *olfersii* (Salm-Dyck) Bravo, Cact. México, ed. 2: 660. 1978 syn. sec. Tapia & al. (2017) ≡ *Carnegiea euphorbioides* var. *olfersii* (Salm-Dyck) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Tapia & al. (2017)
- = *Cereus conicus* Pfeiff., Enum. Diagn. Cact.: 97. 1837 syn. sec. Britton & Rose (1920)
- = *Cereus oxygenus* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 393. 1846 syn. sec. Förster (1846)

***Cephalocereus fulviceps* (F.A.C.Weber ex K.Schum.) H.E.Moore in Bailey 19: 165. 1975. Sec. Tapia & al. (2017)**

- ≡ *Pilocereus fulviceps* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 176. 1897 syn. sec. Tapia & al. (2017) ≡ *Cereus fulviceps* (F.A.C.Weber) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 64. 1905 syn. sec. Kew WCVP (2019) ≡ *Mitrocereus fulviceps* (F.A.C.Weber ex K.Schum.) Backeb. ex Bravo in Anales Inst. Biol. Univ. Nac. Mexico 24: 232. 1954 syn. sec. Tapia & al. (2017) ≡ *Pseudomitrocereus fulviceps* (F.A.C.Weber ex K.Schum.) Bravo & Buxb. in Bot. Stud. 12: 99. 1961 syn. sec. Tapia & al. (2017) ≡ *Pachycereus fulviceps* (F.A.C.Weber ex K.Schum.) D.R.Hunt in Bradleya 9: 89. 1991 syn. sec. Tapia & al. (2017) ≡ *Carnegiea fulviceps* (F.A.C.Weber ex K.Schum.) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Tapia & al. (2017)

Notes. – *Pseudomitrocereus fulviceps* was previously included in *Pachycereus* or *Cephalocereus*, later elevated to generic rank as *Mitrocereus* (Backeberg 1942) and later *Pseudomitrocereus* (Bravo & Buxbaum, in Buxbaum 1961). Arias & al. (2003) found *P. fulviceps* to be unrelated to *Pachycereus* and instead as sister to a clade of *Cephalocereus* and *Neobuxbaumia*. Therefore, *Pseudomitrocereus* was previously reinstated by Arias & al. (2012). *Pseudomitrocereus* is characterized by having distinct fertile stem tips (on old primary and secondary branches), flowers completely covered with trichomes, and thick axial tissue (pericarpel and receptacle; Buxbaum 1961). Its inclusion in *Carnegiea* and *Pachycereus* was supported by non-informative attributes (e.g., growth form), shared by other members of *Pachycereinae* (or *Echinocereinae* sensu Nyffeler & Eggli 2010). However, it is part of the clade "Cephalocereus" according to Arias & al. (2003), composed by *Cephalocereus*, *Neobuxbaumia*, and *Pseudomitrocereus*. The species of this clade share the presence of prismatic crystals in epidermis, inner stamens and nectarial

chamber, while the fruit is dehiscent and the pulp is white (Arias & Terrazas 2006). *Mitrocereus* was based on the name *Pilocereus chrysomallus* Lem. as type species, but this name represents another species included in the synonymy of *Pachycereus militaris* (Audot) D. R. Hunt. Consequently, Buxbaum and Bravo (Buxbaum 1961) proposed the name *Pseudomitrocereus*, with *P. fulviceps* as the nomenclatural type. [Hernández-Ledesma & al. (2015)]

***Cephalocereus macrocephalus* F.A.C.Weber ex K.Schum., Gesamtschr. Kakt.: 197. 1897.** Sec. Tapia & al. (2017)

≡ *Pilocereus macrocephalus* (F.A.C.Weber ex K.Schum.) F.A.C.Weber in Bois, Dict. Hort.: 966. 1898 syn. sec. Tapia & al. (2017) ≡ *Cereus macrocephalus* (F.A.C.Weber ex K.Schum.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 62. 1905 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia macrocephala* (F.A.C.Weber ex K.Schum.) E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 173. 1952 syn. sec. Tapia & al. (2017) ≡ *Carnegiea macrocephala* (F.A.C.Weber ex K.Schum.) P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017)

= *Pilocereus ruficeps* F.A.C.Weber ex Rol.-Goss. in Bull. Mus. Hist. Nat. (Paris) 11(6): 509. 1905 syn. sec. Tapia & al. (2017) ≡ *Cereus ruficeps* (F.A.C.Weber ex Rol.-Goss.) Vaupel in Monatsschr. Kakteenk. 23: 27, 83. 1913 syn. sec. Tapia & al. (2017) ≡ *Pachycereus ruficeps* (F.A.C.Weber ex Rol.-Goss.) Britton & Rose, Cactaceae 2: 75. 1920 syn. sec. Tapia & al. (2017) ≡ *Mitrocereus ruficeps* (F.A.C.Weber ex Rol.-Goss.) Backeb., Cactaceae 4: 2244. 1960 syn. sec. Tapia & al. (2017)

***Cephalocereus mezcalaensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 3: 378. 1932.** Sec. Tapia & al. (2017)

≡ *Neobuxbaumia mezcalaensis* (Bravo) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1941: 3. 1941 syn. sec. Tapia & al. (2017) ≡ *Neodawsonia mezcalaensis* (Bravo) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1941: 3. 1941 syn. sec. Tapia & al. (2017) ≡ *Pilocereus mezcalaensis* (Bravo) W.T.Marshall, Cactaceae: 75. 1941 syn. sec. Tapia & al. (2017) ≡ *Carnegiea mezcalaensis* (Bravo) P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017)

= *Cephalocereus mezcalaensis* var. *robustus* E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 9. 1948 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia mezcalaensis* var. *robusta* (E.Y.Dawson) Backeb. in Cact. Succ. J. (Los Angeles) 23: 122. 1951 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia mezcalaensis* var. *robusta* (E.Y.Dawson) E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 169. 1952 syn. sec. Tapia & al. (2017)

***Cephalocereus multiareolatus* (E.Y.Dawson) H.J.Tapia & S.Arias in Syst. Bot. 42(4): 11. 2017.** Sec. Tapia & al. (2017)

≡ *Cephalocereus mezcalaensis* var. *multiareolatus* E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 9. 1948 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia mezcalaensis* var. *multiareolata* (E.Y.Dawson) E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 169. 1952 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia multiareolata* (E.Y.Dawson) Bravo, Scheinvar & Sánchez-Mej. in Cact. Suc. Mex. 17(4): 120. 1972 syn. sec. Tapia & al. (2017) ≡ *Carnegiea mezcalaensis* var. *multiareolata* (E.Y.Dawson) P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017)

***Cephalocereus nizandensis* (Bravo & T.MacDoug.) Buxb. in Kakteen And. Sukk. 16: 45. 1965.** Sec. Tapia & al. (2017)

≡ *Neodawsonia nizandensis* Bravo & T.MacDoug. in Anales Inst. Biol. Univ. Nac. Mexico 29: 82. 1959 syn. sec. Tapia & al. (2017)

***Cephalocereus nudus* E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 12. 1948.** Sec. Tapia & al. (2017)

≡ *Cephalocereus tetetzo* var. *nudus* E.Y.Dawson in Desert Pl. Life 24(3): 54. 1952 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia tetetzo* var. *nuda* (E.Y.Dawson) E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 169. 1952 syn. sec. Tapia & al. (2017) ≡ *Carnegiea tetetzo* var. *nuda* (E.Y.Dawson) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Tapia & al. (2017)

= *Neobuxbaumia squamulosa* Scheinvar & Sánchez-Mej. in Cact. Suc. Mex. 35: 13. 1990 syn. sec. Tapia & al. (2017) ≡ *Carnegiea squamulosa* (Scheinvar & Sánchez-Mej.) P.V.Heath in Calyx 2: 108. 1992 syn. sec. Kew WCVP (2019)

***Cephalocereus parvispinus* S.Arias, H.J.Tapia & U.Guzmán in Phytotaxa 392(2): 150. 2019.** Sec. Arias & al. (2019)

***Cephalocereus polylophus* (DC.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 419. 1909.** Sec. Tapia & al. (2017)

≡ *Cereus polylophus* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Tapia & al. (2017) ≡ *Pilocereus polylophus* (DC.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 24. 1845 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia polylopha* (DC.) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1941: 3. 1941 syn. sec. Tapia & al. (2017) ≡ *Carnegiea polylopha* (DC.) D.R.Hunt in Bradleya 6: 100. 1988 syn. sec. Tapia & al. (2017) ≡ *Carnegiea polylopha* (DC.) P.V.Heath in Calyx 2: 108. 1992 syn. sec. Kew WCVP (2019)

= *Cereus angulosus* Stieber ex K.Schum., Gesamtschr. Kakt.: 175. 1897 syn. sec. Britton & Rose (1920)

= *Cereus nickelsii* Gürke in Monatsschr. Kakteenk. 20: 27. 1910 syn. sec. Britton & Rose (1920)

***Cephalocereus sanchez-mejoradae* (A.B.Lau) H.J.Tapia & S.Arias in Syst. Bot. 42(4): 11. 2017.** Sec. Tapia & al. (2017)

≡ *Neobuxbaumia sanchez-mejoradae* A.B.Lau in Cact. Suc. Mex. 39(1): 3. 1994 syn. sec. Tapia & al. (2017) – *Cephalocereus sanchezmejordade* (A.B.Lau) H.J.Tapia & S.Arias in Syst. Bot. 42: 719. 2017 syn. sec. Tapia & al. (2017) [is orthographic variant for *Cephalocereus sanchez-mejoradae* (A.B.Lau) H.J.Tapia & S.Arias]

= *Carnegiea laui* P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia laui* (P.V.Heath) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Tapia & al. (2017)

= *Carnegiea nova* P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017)

***Cephalocereus scoparius* (Poselg.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 419. 1909.** Sec. Tapia & al. (2017)

≡ *Pilocereus scoparius* Poselg. in Allg. Gartenzeitung 21(12): 126. 1853 syn. sec. Tapia & al. (2017) ≡ *Cereus scoparius* (Poselg.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 63. 1905 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia scoparia* (Poselg.) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1941: 3. 1941 syn. sec. Tapia & al. (2017) ≡ *Carnegiea scoparia* (Poselg.) P.V.Heath in Calyx 2(3): 109. 1992 syn. sec. Tapia & al. (2017)

= *Pilocereus sterkmanii* K.Schum., Gesamtschr. Kakt.: 179. 1897 syn. sec. Kew WCVP (2019)

= *Lemaireocereus setispinus* E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 1: 19. 1948 syn. sec. Tapia & al. (2017)

***Cephalocereus senilis* (Haw.) Pfeiff. in Allg. Gartenzeitung 6: 142. 1838.** Sec. Tapia & al. (2017)

- ≡ *Cactus senilis* Haw. in Philos. Mag. J. 63: 41. 1824 syn. sec. Tapia & al. (2017) ≡ *Cereus senilis* (Haw.) DC., Prodr. 3: 464. 1828 syn. sec. Tapia & al. (2017) ≡ *Cephalophorus senilis* (Haw.) Lem., Cact. aliq. nov.: 7. 1838 syn. sec. Tapia & al. (2017) ≡ *Echinocactus senilis* (Haw.) Beaton in Gard. Mag. & Reg. Rural Domest. Improv. 15: 550. 1839 syn. sec. Tapia & al. (2017) ≡ *Pilocereus senilis* (Haw.) Lem., Cact. Gen. Sp. Nov.: 7. 1839 syn. sec. Tapia & al. (2017) ≡ *Cephalocereus senilis* (Haw.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894 syn. sec. Tapia & al. (2017) ≡ *Euporteria senilis* (Phil.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 201. 1941 syn. sec. Kew WCVP (2019)
- = *Cactus bradypus* Lehm., Ind. Sem. Hort. Hamburg.: 17. 1826 syn. sec. Tapia & al. (2017) ≡ *Cereus bradypus* (Lehm.) Steud., Nomencl. Bot., ed. 2, 1: 333. 1840 syn. sec. Kew WCVP (2019)
- = *Echinocactus staplesiae* Tate in Gard. Mag. & Reg. Rural Domest. Improv. 16: 27. 1840 syn. sec. Britton & Rose (1920)
- = *Melocactus bradypus* Lehm. ex Steud., Nomencl. Bot., ed. 2, 2(2-5): 122. 1841 syn. sec. Britton & Rose (1920)
- = *Pilocereus senilis* var. *crisatus* Mathsson syn. sec. Tropicos

***Cephalocereus tetetzo* (F.A.C.Weber ex J.M.Coult.) Diguët, Cactac. util. Mex. (Archiv. Hist. Nat. Acclim. France) 4: 370. 1928 [as "tetazo"].** Sec. Tapia & al. (2017)

- ≡ *Cereus tetetzo* F.A.C.Weber ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 409. 1896 [as "tetazo"] syn. sec. Tapia & al. (2017) ≡ *Pilocereus tetetzo* (F.A.C.Weber ex J.M.Coult.) F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 175. 1897 syn. sec. Tapia & al. (2017) ≡ *Cephalocereus tetetzo* (F.A.C.Weber ex K.Schum.) Vaupel in Monatsschr. Kakteenk. 19: 73. 1909 syn. sec. Tapia & al. (2017) ≡ *Pachycereus tetetzo* (F.A.C.Weber ex K.Schum.) Ochoa, Cactac. de Mexico: 72. 1922 syn. sec. Tapia & al. (2017) ≡ *Neobuxbaumia tetetzo* (F.A.C.Weber ex J.M.Coult.) Backeb. in Blätt. Kakteenf. 1938(6): 24. 1938 syn. sec. Tapia & al. (2017) ≡ *Carnegiea tetetzo* (F.A.C.Weber ex J.M.Coult.) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Tapia & al. (2017) – *Cereus tetetzo* F.A.C.Weber ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 409. 1896, nom. inval. syn. sec. TPL (2013) – *Cephalocereus tetetzo* (F.A.C.Weber ex J.M.Coult.) Diguët in Archiv. Hist. Nat. Acclim. France 4: 370. 1928 syn. sec. TPL (2013) [is orthographic variant for *Cephalocereus tetetzo* (F.A.C.Weber ex J.M.Coult.) Diguët]
- = *Pilocereus tetetzo* var. *crisata* F.A.C.Weber in Schumann, Gesamtbeschr. Kakt.: 176. 1897 syn. sec. Kew WCVP (2019)

***Cephalocereus totalapensis* (Bravo & T.MacDoug.) Buxb. in Kakteen And. Sukk. 16: 45. 1965.** Sec. Tapia & al. (2017)

- ≡ *Neodawsonia totalapensis* Bravo & T.MacDoug. in Anales Inst. Biol. Univ. Nac. Mexico 29: 74. 1959 syn. sec. Tapia & al. (2017)

***Cereus* Mill., Gard. Dict. Abr., ed. 4: [308]. 1754.** Sec. Hunt (2016)

Type: *Cereus hexagonus* (L.) Mill.

- = *Piptanthocereus* (A.Berger) Riccob. in Boll. Reale Orto Bot. Palermo 8: 225. 1909 syn. sec. Hunt (2016)
- = *Subpilocereus* Backeb. in Blätt. Kakteenf. 1938(6): 8, 13, 18, 25. 1938 syn. sec. Hunt (2016). Type: *Subpilocereus russellianus* (Hort.Berol. ex Salm-Dyck) Backeb.
- = *Mirabella* F.Ritter, Kakteen Südamerika 1: 108. 1979 syn. sec. Hunt (2016). Type: *Mirabella albicaulis* (Britton & Rose) F.Ritter
- = *Praepilosocereus* Guiggi in Cactology 2: 18. 2010 syn. sec. Kew WCVP (2019)
- *Cirinosum* Neck., Elem. Bot. 2: 84. 1790, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – Franco & al. (2017) found a well-supported *Cereus* clade, which however also included *Praecereus* and *Cipocereus*. Therefore, *Cereus* is polyphyletic as currently circumscribed, but the authors of that study did not suggest any taxonomic changes to reflect their results. See also notes under *Praecereus* and *Cipocereus*. [Korotkova & al. (2021)]

***Cereus aethiops* Haw. in Philos. Mag. Ann. Chem. 7: 109–110. 1830.** Sec. Hunt (2016)

- ≡ *Piptanthocereus aethiops* (Haw.) F.Ritter, Kakteen Südamerika 2: 435. 1980 syn. sec. Kew WCVP (2019)
- = *Cereus azureus* Parm. ex Pfeiff., Enum. Diagn. Cact.: 86. 1837 syn. sec. Hunt (2016) ≡ *Piptanthocereus azureus* (Parm. ex Pfeiff.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 225. 1909 syn. sec. Kew WCVP (2019)
- = ?*Cereus coerulescens* Lem., Cact. Gen. Sp. Nov.: 80. 1839 syn. sec. Britton & Rose (1920)
- = *Cereus chalybaeus* Otto ex Walp., Repert. Bot. Syst. 2: 340. 1843 syn. sec. Tropicos
- = *Cereus polychaetus* Walp., Repert. Bot. Syst. 2: 340. 1843 syn. sec. Britton & Rose (1920)
- = *Cereus chalybaeus* C.F.Först., Handb. Cacteenk.: 382. 1846 syn. sec. Hunt (2016)
- = *Cereus chalibaeus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 201. 1850 syn. sec. Kew WCVP (2019) ≡ *Piptanthocereus chalibaeus* (Salm-Dyck) Riccob. in Boll. Reale Orto Bot. Palermo 8: 227. 1909 ≡ *Piptanthocereus chalybaeus* (Salm-Dyck) Riccob. in Boll. Reale Orto Bot. Palermo 8: 227. 1909 syn. sec. Kew WCVP (2019)
- = *Cereus seidelii* Lehm. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 200. 1850 syn. sec. Britton & Rose (1920) ≡ *Cereus azureus* var. *seidelii* (Lehm.) Dams in Monatsschr. Kakteenk. 14: 157. 1904 syn. sec. Britton & Rose (1920)
- = *Cereus landbeckii* Phil. ex Regel in Gartenflora 24: 162. 1875 syn. sec. Britton & Rose (1920) ≡ *Cereus coerulescens* var. *landbeckii* (Phil.) K.Schum., Gesamtbeschr. Kakt.: 122. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus coerulescens* f. *landbeckii* (Phil.) Schelle, Handb. Kakteenkult.: 80. 1907 syn. sec. Hunt (2016) ≡ *Cereus aethiops* var. *landbeckii* (Phil.) Backeb., Cactaceae 4: 2333. 1960 syn. sec. Kew WCVP (2019)
- = *Cereus landbeckii* var. *phillipii* Rob. in Garden (London 1871-1927) 8: 127. 1875 syn. sec. Kew WCVP (2019)
- = *Cereus coerulescens* var. *melanacanthus* K.Schum., Gesamtbeschr. Kakt.: 122. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus melanacanthus* (K.Schum.) Schelle, Handb. Kakteenkult.: 80. 1907 syn. sec. Kew WCVP (2019) ≡ *Cereus coerulescens* f. *melanacanthus* (K.Schum.) Schelle, Handb. Kakteenkult.: 80. 1907 syn. sec. Tropicos ≡ *Cereus aethiops* var. *melanacanthus* (K.Schum.) Backeb., Cactaceae 4: 2333. 1960 syn. sec. Kew WCVP (2019)
- = *Cereus nigrispinus* Labour. ex K.Schum., Gesamtbeschr. Kakt.: 122. 1897 syn. sec. Britton & Rose (1920)

= *Cereus beysiegelii* Weing. in Monatschr. Kakteenk. 29: 48. 1919 syn. sec. Britton & Rose (1920)

***Cereus albicaulis* (Britton & Rose) Luetzelb. in Estudo Bot Nordeste Brazil 3: 111. 1923.** Sec. Taylor & Zappi (2004)

≡ *Acanthocereus albicaulis* Britton & Rose, Cactaceae 2: 125–126, f. 187. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Mirabella albicaulis* (Britton & Rose) F.Ritter, Kakteen Südamerika 1: 110. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Monvillea albicaulis* (Britton & Rose) R.Kiesling in Cact. Succ. J. (Los Angeles) 66(4): 165. 1994 syn. sec. Taylor & Zappi (2004)

***Cereus ayisyen* M. van der Meer in Cactologia Phantastica 4(2): 14. 2019.** Sec. Franck (2021)

≡ *Cereus haitiensis* A.R.Franck & Peguero in Phytoneuron 2017-29: 2. 2017, nom. illeg. syn. sec. Franck (2021) [non *Cereus haitiensis* Schelle]

Notes. – Mottram & Hoxey (2020) questioned if the Schelle name was validly published. [Mottram & Hoxey (2020)]; *Cereus ayisyen* is a replacement name for *Cereus haitiensis* A.R.Franck & Peguero, an illegitimate homonym of *Cereus haitiensis* Schelle. Schelle's name was attributed to garden origin and published with the very brief description “hellgrün, gelbstachelig” without referencing the nearly verbatim description of *C. grandiflorus* var. *haitiensis* K.Schum., an apparently validly published, potential basionym. Although an explicit combination was not made by Schelle, Schelle was familiar with Schumann's works. [Franck (2021)]

***Cereus bicolor* Rizzini & A.Mattos in Revista Brasil. Biol. 45: 307. 1985.** Sec. Hunt (2016)

***Cereus cochabambensis* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 30. 1970.** Sec. Jørgensen & al. (2014)

= *Cereus cochabambensis* var. *longicarpa* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 184. 1970 syn. sec. Jørgensen & al. (2014)

***Cereus comarapanus* Cárdenas in Succulenta (Netherlands) 1956: 5. 1956.** Sec. Jørgensen & al. (2014)

≡ *Piptanthocereus comarapanus* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 555. 1980 syn. sec. Jørgensen & al. (2014)

***Cereus estevesii* P.J.Braun in Brit. Cact. Succ. J. 22: 20. 2004.** Sec. Hunt (2016)

≡ *Monvillea estevesii* (P.J.Braun) Lodé in Cact.-Avent. Int. 98(Suppl.): 6. 2013 syn. sec. Kew WCVP (2019) ≡ *Mirabella estevesii* (P.J.Braun) Guiggi in Cactology 5 (Suppl. 8): 3. 2020 syn. sec. Korotkova (2021)

***Cereus fernambucensis* Lem., Cact. Gen. Sp. Nov.: 58. 1839.** Sec. Taylor & Zappi (2004)

≡ *Cereus pernambucensis* Lem., Cact. Gen. Sp. Nov.: 58. 1839 syn. sec. Taylor & Zappi (2004)

= *Cereus quadrangularis* Haw., Syn. Pl. Succ.: 181. 1812 syn. sec. Kew WCVP (2019)

= *Cereus grandis* Haw., Suppl. Pl. Succ.: 76. 1819 syn. sec. Britton & Rose (1920)

= ?*Cereus obtusus* Haw., Saxifrag. Enum. 2: 70. 1821 syn. sec. Taylor & Zappi (2004) ≡ ?*Piptanthocereus obtusus* (Haw.) F.Ritter, Kakteen Südamerika 1: 231. 1979 syn. sec. Taylor & Zappi (2004)

= *Cereus laetevirens* Salm-Dyck, Hort. Dyck.: 336. 1834 syn. sec. Kew WCVP (2019)

= *Cereus laetus* Salm-Dyck, Hort. Dyck.: 336. 1834 syn. sec. Kew WCVP (2019)

= *Cactus undulosus* Kostel. in Allg. Med.-Pharm. 4: 1393. 1835 syn. sec. Kew WCVP (2019)

= *Cereus affinis* Pfeiff., Enum. Diagn. Cact.: 99. 1837 syn. sec. Kew WCVP (2019)

= *Cereus caesius* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 89. 1837 syn. sec. Kew WCVP (2019)

= *Cereus cognatus* Pfeiff., Enum. Diagn. Cact.: 106. 1837 syn. sec. Kew WCVP (2019)

= *Cereus glaucus* Pfeiff., Enum. Diagn. Cact.: 89. 1837 syn. sec. Britton & Rose (1920)

= *Cereus hexangularis* Pfeiff., Enum. Diagn. Cact.: 106. 1837 syn. sec. Kew WCVP (2019)

= *Cereus prismatiformis* Pfeiff., Enum. Diagn. Cact.: 106. 1837 syn. sec. Kew WCVP (2019)

= *Cereus variabilis* Pfeiff., Enum. Diagn. Cact.: 105. 1837, nom. illeg. syn. sec. Taylor & Zappi (2004)

= *Cereus salm-dyckianus* Salm-Dyck, Cact. Hort. Dyck.: 31. 1841 syn. sec. Kew WCVP (2019)

= *Cereus variabilis* var. *glaucescens* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)

= *Cereus variabilis* var. *laetevirens* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)

= *Cereus variabilis* var. *micracanthus* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)

= *Cereus variabilis* var. *obtusus* Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)

= *Cereus variabilis* var. *salm-dyckianus* Walp., Repert. Bot. Syst. 2: 277. 1843 syn. sec. Britton & Rose (1920)

= *Cereus formosus* C.F.Först., Handb. Cacteenk.: 404. 1846 syn. sec. Britton & Rose (1920)

= *Cereus brandii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 49. 1850 syn. sec. Kew WCVP (2019)

= *Cereus grandis* var. *gracillior* Salm-Dyck ex Labour., Monogr. Cactaceae: 376. 1853 syn. sec. Britton & Rose (1920)

= *Cereus grandis* var. *ramosior* Salm-Dyck ex Labour., Monogr. Cactaceae: 376. 1853 syn. sec. Britton & Rose (1920)

= *Cereus colvillii* Rümpler, Handb. Cacteenk., ed. 2: 736. 1885 syn. sec. Britton & Rose (1920)

= *Cereus pseudocaesius* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 13: 394. 1936 syn. sec. Kew WCVP (2019)

= ?*Cereus neotetragonus* Backeb., Cactaceae 4: 2363. 1960, nom. inval. syn. sec. Taylor & Zappi (2004)

***Cereus fernambucensis* subsp. *fernambucensis*.** Sec. Taylor & Zappi (2004)

***Cereus fernambucensis* subsp. *sericifer* (F.Ritter) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997.** Sec. Taylor & Zappi (2004)

≡ *Piptanthocereus sericifer* F.Ritter, Kakteen Südamerika 1: 232. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus sericifer* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004)

***Cereus forbesii* C.F.Först., Handb. Cacteenk.: 398. 1846.** Sec. Jørgensen & al. (2014)

= *Piptanthocereus forbesii* Riccob. in Boll. Reale Orto Bot. Palermo 8: 228. 1909 syn. sec. Jørgensen & al. (2014)

= *Piptanthocereus labouretianus* Riccob. in Boll. Reale Orto Bot. Palermo 8: 231. 1909 syn. sec. Kew WCVP (2019)

= *Piptanthocereus forbesii* var. *bolivianus* F.Ritter, Kakteen Südamerika 2: 554. 1980 syn. sec. Kew WCVP (2019)

***Cereus fricii* Backeb. in Monatsschr. Deutsch. Kakteen-Ges. 2: 164. 1930. Sec. Hunt (2016)**

≡ *Cephalocereus fricii* (Backeb.) Borg, Cacti, ed. 2: 149. 1951 syn. sec. Tropicos ≡ *Subpilocereus fricii* (Backeb.) Guiggi in Cactology 2: 19. 2010 syn. sec. Korotkova (2021)

= *Cereus russellianus* Hort.Berol. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 201. 1850 syn. sec. Britton & Rose (1920) ≡ *Pilocereus russellianus* (Hort.Berol. ex Salm-Dyck) Rümpler, Handb. Cacteenk., ed. 2: 682. 1885 syn. sec. Britton & Rose (1920) ≡ *Cephalocereus russellianus* (Hort.Berol. ex Salm-Dyck) Rose, Stand. Cycl. Hort. 2: 715. 1914 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus russellianus* (Hort.Berol. ex Salm-Dyck) Backeb. in Kakteenkunde 1941: 59. 1941 syn. sec. Hunt (2016)

= *Cereus margaritensis* var. *micracanthus* Hummelinck in Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 45: 51. 1938 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus margaritensis* var. *micranthus* (Hummelinck) Backeb. in Kakteenkunde 1941: 60. 1941 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus russellianus* var. *micracanthus* (Hummelinck) Backeb., Cactaceae 4: 2381. 1960 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus repandus* subsp. *micracanthus* (Hummelinck) Trujillo & Marisela Ponce in Ernstia 47: 28. 1988 syn. sec. Kew WCVP (2019)

***Cereus hankeanus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 88. 1897. Sec. Jørgensen & al. (2014)**

≡ *Piptanthocereus hankeanus* (F.A.C.Weber ex K.Schum.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 229. 1909 syn. sec. Jørgensen & al. (2014)

***Cereus hexagonus* (L.) Mill., Gard. Dict., ed. 8: Cereus No. 1. 1768. Sec. Hunt (2016)**

≡ *Cactus hexagonus* L., Sp. Pl.: 466. 1753 syn. sec. Hunt (2016)

= ?*Cereus surinamensis* Trew, Ephem. Nat. Cur. 3: 394. 1733 syn. sec. Britton & Rose (1920)

= *Cactus hexagonus* Lam., Encycl. 1(2): 538. 1785 syn. sec. Britton & Rose (1920)

= *Cactus regalis* Spreng., Syst. Veg., ed. 16, 2: 496. 1825 syn. sec. Kew WCVP (2019)

= *Cereus horridus* Otto ex Pfeiff. in Allg. Gartenzeitung 5: 370. 1837 syn. sec. Kew WCVP (2019)

= *Cereus thalassinus* Otto & A.Dietr. in Allg. Gartenzeitung 6: 34. 1838 syn. sec. Kew WCVP (2019) ≡ *Acanthocereus thalassinus* (Otto & A.Dietr.) Borg, Cacti, ed. 1: 133. 1937 syn. sec. Kew WCVP (2019)

= *Cactus octogonus* Page ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Britton & Rose (1920)

= *Cereus northumberlandianus* Lamb. in Gard. Mag. (London) 17: 91. 1841 syn. sec. Britton & Rose (1920)

= *Cereus perrottetianus* Lem., Icon. Cact.: pl. 8. 1841 syn. sec. Britton & Rose (1920)

= *Cereus thalassinus* var. *quadrangularis* C.F.Först., Handb. Cacteenk.: 399. 1846 syn. sec. Britton & Rose (1920)

= *Cereus lepidotus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 207. 1850 syn. sec. Britton & Rose (1920) ≡ *Piptanthocereus lepidotus* Backeb. in Blätt. Kakteenf. 1934(12): 7. 1934 syn. sec. Kew WCVP (2019)

= *Cereus perlucens* K.Schum. in Monatsschr. Kakteenk. 10: 173. 1900 syn. sec. Hunt (2016) ≡ *Pilocereus perlucens* (K.Schum.) Werderm., Bras. Säulenakt.: 112. 1933 syn. sec. Kew WCVP (2019) ≡ *Cephalocereus perlucens* (K.Schum.) Borg, Cacti, ed. 2: 144. 1951 syn. sec. Hunt (2016) ≡ *Pilosocereus perlucens* (K.Schum.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Hunt (2016)

= *Cereus horridus* var. *alatosquamatus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 452. 1935 syn. sec. Kew WCVP (2019)

= *Cereus longiflorus* Alexander in Lloydia 2: 199. 1939 syn. sec. Tropicos

– *Cactus peruvianus* DC., Pl. Hist. Succ.: t. 58. 1800, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

Notes. – Taylor & Zappi (2019) suggest that *C. lepidotus* may be distinct from *C. hexagonus*. [Franck (2021)]

***Cereus hildmannianus* K.Schum., Fl. Bras. 4(2): 202. 1890. Sec. Taylor & Zappi (2004)**

= *Cactus abnormis* Willd., Enum. Pl., Suppl.: 31. 1814 syn. sec. Kew WCVP (2019) ≡ *Cereus abnormis* (Willd.) Sweet, Hort. Brit.: 171. 1826 syn. sec. Kew WCVP (2019)

= *Cereus calvescens* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828 syn. sec. Kew WCVP (2019)

= *Cereus peruvianus* var. *monstruosus* DC., Prodr. 3: 464. 1828 syn. sec. Kew WCVP (2019) ≡ *Piptanthocereus peruvianus* var. *monstruosus* (DC.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 233. 1909 syn. sec. Kew WCVP (2019) – *Cactus peruvianus* var. *monstruosus* DC., Cat. Pl. Horti Monsp.: 13. 1813, nom. inval. syn. sec. Kew WCVP (2019)

= *Cereus validus* Haw. in Philos. Mag. Ann. Chem. 10: 414. 1831 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus validus* (Haw.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 234. 1909 syn. sec. Kew WCVP (2019)

= ?*Cereus alacriportanus* Pfeiff., Enum. Diagn. Cact.: 87. 1837 syn. sec. Taylor & Zappi (2004) ≡ *Cereus peruvianus* var. *alacriportanus* (Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 115. 1897 syn. sec. Kew WCVP (2019) ≡ ?*Piptanthocereus alacriportanus* (Pfeiff.) F.Ritter, Kakteen Südamerika 1: 236. 1979 syn. sec. Taylor & Zappi (2004)

= *Cereus curvispinus* Pfeiff., Enum. Diagn. Cact.: 89. 1837 syn. sec. Kew WCVP (2019)

= *Cereus monstruosus* Steud., Nomencl. Bot., ed. 2, 1: 334. 1840 syn. sec. Kew WCVP (2019) ≡ *Cereus monstruosus* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 178. 1894 syn. sec. Kew WCVP (2019)

= *Cereus bonariensis* C.F.Först., Handb. Cacteenk.: 388. 1846 syn. sec. Kew WCVP (2019)

= *Cereus peruvianus* subvar. *nanus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 203. 1850 syn. sec. Kew WCVP (2019)

= *Cereus childsii* Blanc, Hints Cacti: 39. 1891 syn. sec. Kew WCVP (2019)

= *Cereus haematuricus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 112. 1897 syn. sec. Taylor & Zappi (2004)

= *Cereus paraguayensis* K.Schum. ex Chodat & Hassl. in Bull. Herb. Boissier, sér. 2, 3: 249. 1903 syn. sec. Korotkova (2021)

= *Cereus xanthocarpus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 32. 1903 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus xanthocarpus* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 258. 1979 syn. sec. Kew WCVP (2019) ≡ *Cereus hildmannianus* subsp. *xanthocarpus* (K.Schum.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kew WCVP (2019)

= *Cereus milesimus* Rost in Desert Pl. Life 4: 43. 1932 syn. sec. Taylor & Zappi (2004)

- = *Cereus peruvianus* var. *persicinus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 448. 1935 syn. sec. Kew WCVP (2019)
 = *Cereus peruvianus* var. *proferrens* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 448. 1935 syn. sec. Kew WCVP (2019)
 = *Cereus peruvianus* var. *reclinatus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 448. 1935 syn. sec. Kew WCVP (2019)
 = *Cereus peruvianus* var. *ovicarpus* Hertrich in Cact. Succ. J. (Los Angeles) 11: 12. 1939 syn. sec. Kew WCVP (2019)
 = *Piptanthocereus bageanus* F.Ritter, Kakteen Südamerika 1: 238. 1979 syn. sec. Kew WCVP (2019) ≡ *Cereus alacriportanus* var. *bageanus* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Kew WCVP (2019)
 = *Piptanthocereus neonesioticus* F.Ritter, Kakteen Südamerika 1: 237. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus neonesioticus* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004)
 = *Piptanthocereus neonesioticus* var. *interior* F.Ritter, Kakteen Südamerika 1: 237. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus neonesioticus* var. *interior* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004)

***Cereus hildmannianus* subsp. *hildmannianus*.** Sec. Taylor & Zappi (2004)

***Cereus hildmannianus* subsp. *uruguayanus* (R.Kiesling) N.P.Taylor in Cactaceae Consensus Init. 6: 15. 1998.** Sec. Taylor & Zappi (2004)

- ≡ *Cereus uruguayanus* R.Kiesling in Darwiniana 24(1-4): 448. 1982 syn. sec. Taylor & Zappi (2004)
 – *Piptanthocereus uruguayanus* F.Ritter, Kakteen Südamerika 1: 244. 1979, nom. inval. syn. sec. Hunt (1999)

***Cereus horrispinus* Backeb. in Monatsschr. Deutsch. Kakteen-Ges. 2: 164. 1930.** Sec. Hunt (2016)

- ≡ *Pilocereus horrispinus* (Backeb.) Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus horrispinus* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 123. 1951 syn. sec. Tropicos ≡ *Subpilocereus fricii* subsp. *horrispinus* (Backeb.) Guiggi in Cactology 2: 20. 2010 syn. sec. Korotkova (2021)
 = *Subpilocereus ottonis* Backeb. in Cactaceae (Berlin) 1943(5): 88. 1944 ["1943"] syn. sec. Hunt (2016)

***Cereus huilunchu* Cárdenas in Succulenta (Netherlands) 1951: 49. 1951.** Sec. Jørgensen & al. (2014)

- ≡ *Piptanthocereus huilunchu* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 556. 1980 syn. sec. Hunt (2016)

***Cereus insularis* Hemsl. in Rep. Challenger, Bot. 1(2): 16. 1884.** Sec. Hunt (2016)

- ≡ *Monvillea insularis* (Hemsl.) Britton & Rose, Cactaceae 2: 23, f. 21. 1920 syn. sec. Hunt (2016)
 = ?*Cereus ridleyi* Andrade-Lima ex Backeb., Cactaceae 4: 2352. 1960 syn. sec. Hunt (2016)

***Cereus jamacaru* DC., Prodr. 3: 467. 1828.** Sec. Taylor & Zappi (2004)

- ≡ *Cactus jamacaru* (DC.) Kostel. in Allg. Med.-Pharm. 4: 1893. 1835 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus jamacaru* (DC.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 229. 1909 syn. sec. Kew WCVP (2019)
 = *Cereus glaucus* Salm-Dyck, Hort. Dyck.: 35. 1834 syn. sec. Britton & Rose (1920)
 = *Cereus lividus* Pfeiff. in Allg. Gartenzeitung 3: 380. 1835 syn. sec. Britton & Rose (1920)
 = *Cereus horribarbis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 205. 1850 syn. sec. Britton & Rose (1920) ≡ *Acanthocereus horribarbis* (Salm-Dyck) Borg, Cacti, ed. 1: 133. 1937
 = *Cereus jamacaru* var. *glaucus* Ladenberg in Monatsschr. Kakteenk. 3: 70. 1893 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus jamacaru* var. *glauca* (Ladenberg) Riccob. in Boll. Reale Orto Bot. Palermo 8: 231. 1909 syn. sec. Kew WCVP (2019)
 = *Cereus cauchinii* Rebut, Gesamtbeschr. Kakt.: 113. 1897 syn. sec. Britton & Rose (1920)
 = *Cereus jamacaru* var. *caesius* Salm-Dyck in Monatsschr. Kakteenk. 18: 90. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus jamacaru* var. *caesia* (Salm-Dyck) Riccob. in Boll. Reale Orto Bot. Palermo 8: 230. 1909 syn. sec. Kew WCVP (2019)
 = *Piptanthocereus jamacaru* var. *cyanea* Riccob. in Boll. Reale Orto Bot. Palermo 8: 230. 1909 syn. sec. Kew WCVP (2019)
 = *Piptanthocereus goiasensis* F.Ritter, Kakteen Südamerika 1: 234. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus goiasensis* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Cereus jamacaru* subsp. *goiasensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Taylor & Zappi (2004)

***Cereus jamacaru* subsp. *calcirupicola* (F.Ritter) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997.** Sec. Taylor & Zappi (2004)

- ≡ *Piptanthocereus calcirupicola* F.Ritter, Kakteen Südamerika 1: 234–235. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus calcirupicola* (F.Ritter) Rizzini in Revista Brasil. Biol. 46: 782. 1987 ["1986"] syn. sec. Taylor & Zappi (2004)
 = *Piptanthocereus cabralensis* F.Ritter, Kakteen Südamerika 1: 235. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus calcirupicola* var. *cabralensis* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Cereus calcirupicola* subsp. *cabralensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Taylor & Zappi (2004)
 = *Piptanthocereus calcirupicola* var. *pluricostatus* F.Ritter, Kakteen Südamerika 1: 235. 1979 syn. sec. Kew WCVP (2019) ≡ *Cereus calcirupicola* var. *pluricostatus* (F.Ritter) Rizzini in Revista Brasil. Biol. 46: 784. 1987 ["1986"] syn. sec. Kew WCVP (2019)
 = *Piptanthocereus cipoensis* F.Ritter, Kakteen Südamerika 1: 236. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Cereus calcirupicola* var. *cipoensis* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Cereus calcirupicola* subsp. *cipoensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Taylor & Zappi (2004)
 = *Cereus calcirupicola* var. *albicans* Rizzini in Revista Brasil. Biol. 46: 784. 1987 ["1986"] syn. sec. Taylor & Zappi (2004)

***Cereus jamacaru* subsp. *jamacaru*.** Sec. Taylor & Zappi (2004)

***Cereus lamprospermus* K.Schum. in Monatsschr. Kakteenk. 9: 166. 1899.** Sec. Kew WCVP (2019)

- ≡ *Piptanthocereus lamprospermus* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 259. 1979 syn. sec. Jørgensen & al. (2014)
 = ?*Cereus braunii* Cárdenas in Succulenta (Netherlands) 1956: 2. 1956 syn. sec. Hunt (2016)

- Cereus lamprospermus* subsp. *colosseus* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74(2): 84. 1995.** Sec. Jørgensen & al. (2014)
 ≡ *Piptanthocereus colosseus* F.Ritter, *Kakteen Südamerika* 2: 553-554. 1980 syn. sec. Jørgensen & al. (2014) ≡ *Cereus colosseus* (F.Ritter) Guiggi in *Cactology* 3: 6. 2012 syn. sec. Jørgensen & al. (2014)
 = *Cereus grandicostatus* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 12: 460. 1935 syn. sec. Kew WCVP (2019)
- Cereus lamprospermus* subsp. *lamprospermus*.** Sec. Jørgensen & al. (2014)
- Cereus lanosus* (F.Ritter) P.J.Braun in *Bradleya* 6: 86. 1988.** Sec. Hunt (2016)
 ≡ *Piptanthocereus lanosus* F.Ritter, *Kakteen Südamerika* 1: 259. 1979 syn. sec. Hunt (2016)
- Cereus mirabella* N.P.Taylor in *Bradleya* 9: 85. 1991.** Sec. Taylor & Zappi (2004)
 = *Mirabella minensis* F.Ritter, *Kakteen Südamerika* 1: 111. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Monvillea minensis* (F.Ritter) R.Kiesling in *Cact. Succ. J. (Los Angeles)* 66(4): 165. 1994 syn. sec. Taylor & Zappi (2004)
- Cereus mortensenii* (Croizat) D.R.Hunt & N.P.Taylor in *Bradleya* 9: 85. 1991.** Sec. Hunt (2016)
 ≡ *Pilocereus mortensenii* Croizat in *Noved. Ci., Ser. Bot. no. 1: 3.* 1960 syn. sec. Hunt (2016) ≡ *Pilosocereus mortensenii* (Croizat) Backeb., *Cactaceae* 4: 2450. 1960 syn. sec. Hunt (2016) ≡ *Subpilocereus mortensenii* (Croizat) Trujillo & Marisela Ponce in *Ernstia* 47: 28. 1988 syn. sec. Hunt (2016) ≡ *Praepilosocereus mortensenii* (Croizat) Guiggi in *Cactology* 2: 19. 2010
 = *Pilosocereus gruberi* Schatzl & H.Till in *Kakteen And. Sukk.* 33: 9. 1982 syn. sec. Hunt (2016)
- Cereus phatnospermus* K.Schum. in *Monatsschr. Kakteenk.* 9: 186. 1899.** Sec. Hunt (2016)
 ≡ *Monvillea phatnosperma* (K.Schum.) Britton & Rose, *Cactaceae* 2: 24. 1920 syn. sec. Kew WCVP (2019)
 = *Monvillea adelmarii* Rizzini & A.Mattos in *Revista Brasil. Biol.* 45(3): 301. 1985 syn. sec. Hunt (2016) ≡ *Cereus adelmarii* (Rizzini & A.Mattos) P.J.Braun in *Bradleya* 6: 86. 1988 syn. sec. Hunt (2016) ≡ *Cereus phatnospermus* subsp. *adelmarii* (Rizzini & A.Mattos) P.J.Braun & Esteves in *Kakteen And. Sukk.* 48: 142. 1997 syn. sec. Hunt (2016) ≡ *Monvillea phatnosperma* subsp. *adelmarii* (Rizzini & A.Mattos) Lodé in *Cact.-Avent. Int.* 101: 14. 2014 syn. sec. Kew WCVP (2019)
 = *Monvillea kroenleinii* R.Kiesling in *Cact. Succ. J. (Los Angeles)* 66(4): 159. 1994 syn. sec. Tropicos ≡ *Cereus kroenleinii* (R.Kiesling) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74(2): 84. 1995 syn. sec. Hunt (2016) ≡ *Monvillea phatnosperma* subsp. *kroenleinii* (N.P.Taylor) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 6. 2013 syn. sec. Kew WCVP (2019)
 = *Cereus kroenleinii* N.P.Taylor in *Kew Bull.* 50: 819. 1995 syn. sec. Hunt (2016) ≡ *Cereus phatnospermus* subsp. *kroenleinii* (N.P.Taylor) P.J.Braun & Esteves in *Kakteen And. Sukk.* 48: 142. 1997 syn. sec. Kew WCVP (2019)
 = *Monvillea phatnosperma* var. *arenasii* Oakley & R.Kiesling in *Bol. Soc. Argent. Bot.* 50: 251. 2015 syn. sec. Kew WCVP (2019)
- Cereus pierre-braunianus* Esteves in *Cact. Succ. J. (Los Angeles)* 75(6): 266. 2003.** Sec. Hunt (2016)
 – *Cereus pierrebraunianus* Esteves in *Cact. Succ. J. (Los Angeles)* 75: 266. 2003 syn. sec. TPL (2013) [is orthographic variant for *Cereus pierre-braunianus* Esteves]
- Cereus repandus* (L.) Mill., Gard. Dict., ed. 8: *Cereus* 5. 1768.** Sec. Hunt (2006)
 ≡ *Cactus repandus* L., *Sp. Pl.*: 467. 1753 syn. sec. Hunt (2006) ≡ *Cereus repandus* (L.) Haw., *Syn. Pl. Succ.*: 183. 1812 ≡ *Pilocereus repandus* (L.) K.Schum. in *Engler & Prantl, Nat. Pflanzenfam.* 3(6a): 181. 1894 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus repandus* (L.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 123. 1951 syn. sec. Tropicos
 = *Cactus peruvianus* L., *Sp. Pl.*: 467. 1753 syn. sec. Hunt (2006) ≡ *Cereus peruvianus* (L.) Mill., *Gard. Dict., ed. 8: Cereus* 4. 1768 syn. sec. Hunt (2016) ≡ *Piptanthocereus peruvianus* (L.) Riccob. in *Boll. Reale Orto Bot. Palermo* 8: 232. 1909 syn. sec. Kew WCVP (2019)
 = ?*Cereus repandus* var. *laetevirens* Salm-Dyck, *Hort. Dyck.*: 335. 1834 syn. sec. Britton & Rose (1920)
 = *Cereus decandollei* Pfeiff. ex C.F.Först., *Handb. Cacteenk.*: 389. 1846 syn. sec. Britton & Rose (1920) ≡ *Cereus decandollii* Pfeiff. ex C.F.Först., *Handb. Cacteenk.*: 389. 1846 syn. sec. Britton & Rose (1920)
 = *Cereus peruvianus* var. *brasiliensis* C.F.Först., *Handb. Cacteenk.*: 390. 1846 syn. sec. Korotkova (2021)
 = *Cereus tinei* Tod., *Index Seminum (PAL)* 1857: 39. 1857 syn. sec. Schumann (1899)
 = ?*Cereus spinosissimus* C.F.Först. in *Hamburger Garten-Blumenzeitung* 17: 165. 1861 syn. sec. Britton & Rose (1920)
 = *Cereus hermannianus* Suringar in *Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2:* 194. 1886 ["1885"] syn. sec. Britton & Rose (1920)
 = *Cereus peruvianus* var. *cristatus* Graebener in *Monatsschr. Kakteenk.* 11: 29. 1901 syn. sec. Korotkova (2021)
 = *Cereus margaritensis* J.R.Johnst. in *Proc. Amer. Acad. Arts* 40: 693. 1905 syn. sec. Tropicos ≡ *Subpilocereus margaritensis* (J.R.Johnst.) Backeb. in *Beitr. Sukkulenteenk. Sukkulenteenpflege* 1941: 60. 1941 syn. sec. Tropicos ≡ *Pilocereus russelianus* subsp. *margaritensis* (J.R.Johnst.) Croizat in *Noved. Ci., Ser. Bot. 1: 3.* 1950 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus russelianus* var. *margaritensis* (J.R.Johnst.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 123. 1951 syn. sec. Kew WCVP (2019)
 = *Cereus grenadensis* Britton & Rose, *Cactaceae* 2: 18, 223. 1920 syn. sec. Hunt (2016) ≡ *Subpilocereus grenadensis* (Britton & Rose) Backeb., *Cactaceae* 4: 2383. 1960 syn. sec. Hunt (2016)
 = *Cereus remolinensis* Backeb. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 162. 1930 syn. sec. Kew WCVP (2019) ≡ *Cephalocereus remolinensis* (Backeb.) Borg, *Cacti*, ed. 1: 106. 1937 syn. sec. Kew WCVP (2019) ≡ *Subpilocereus remolinensis* (Backeb.) Backeb. in *Kakteenkunde* 1941: 59. 1941 syn. sec. Tropicos
 = *Pilocereus fricii* Backeb. in *Möller's Deutsche Gärtner-Zeitung* 45: 81. 1930 syn. sec. Kew WCVP (2019)
 = *Cereus atroviridis* Backeb., *Neue Kakteen*: 69. 1931 syn. sec. Tropicos ≡ *Pilocereus atroviridis* (Backeb.) Backeb. in *Möller's Deutsche Gärtner-Zeitung* 45: 82. 1930 syn. sec. Tropicos ≡ *Subpilocereus atroviridis* (Backeb.) Backeb. in *Kakteenkunde* 1941: 59. 1941 syn. sec. Tropicos ≡ *Cephalocereus atroviridis* (Backeb.) Borg, *Cacti*, ed. 2: 149. 1951 syn. sec. Kew WCVP (2019)

- = *Subpilocereus repandus* var. *weberi* Backeb., Cactaceae 4: 2385. 1960 syn. sec. Kew WCVP (2019)
 = *Stenocereus peruvianus* (Mill.) R.Kiesling in Darwiniana 24: 446. 1982, nom. illeg. syn. sec. Tropicos
***Cereus saddianus* (Rizzini & A.Mattos) P.J.Braun in Bradleya 6: 86. 1988.** Sec. Hunt (2016)
 ≡ *Monvillea sadiana* Rizzini & A.Mattos in Revista Brasil. Biol. 45: 304. 1985 syn. sec. Hunt (2016)
***Cereus spegazzinii* F.A.C.Weber in Monatsschr. Kakteenk. 9: 102. 1899.** Sec. Hunt (2016)
 ≡ *Piptanthocereus spegazzinii* (F.A.C.Weber) Riccob. in Boll. Reale Orto Bot. Palermo 8: 233. 1909 syn. sec. Kew WCVP (2019) ≡ *Monvillea spegazzinii* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 23, f. 22. 1920 syn. sec. Korotkova (2021)
 = *Cereus anisitsii* K.Schum. in Monatsschr. Kakteenk. 9: 185. 1899 syn. sec. Hunt (2016) ≡ *Monvillea anisitsii* (K.Schum.) A.Berger, Kakteen: 154, 343. 1929 syn. sec. Kew WCVP (2019)
 = *Cereus lindenzweigianus* Gürke in Monatsschr. Kakteenk. 16: 146. 1906 syn. sec. Kew WCVP (2019) ≡ *Monvillea lindenzweigiana* (Gürke) Backeb., Kaktus-ABC: 183. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Piptanthocereus lindenzweigianus* (Gürke) F.Ritter, Kakteen Südamerika 1: 260. 1979 syn. sec. Kew WCVP (2019)
 = *Cereus spegazzinii* var. *hassleri* Weing. in Monatsschr. Kakteenk. 32: 163. 1922 syn. sec. Hunt (2016)
 = *Monvillea haageana* Backeb. in Sukkulantenkunde 2: 54. 1948 syn. sec. Hunt (2016) ≡ *Cereus haageanus* (Backeb.) N.P.Taylor in Bradleya 9: 85. 1991 syn. sec. Hunt (2016)
 = *Monvillea ebenacantha* F.Ritter, Kakteen Südamerika 2: 512. 1980 syn. sec. Kew WCVP (2019) ≡ *Cereus spegazzinii* var. *ebenacanthus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kew WCVP (2019)

***Cereus stenogonus* K.Schum. in Monatsschr. Kakteenk. 9: 165. 1899.** Sec. Jørgensen & al. (2014)

- ≡ *Piptanthocereus stenogonus* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 258. 1979 syn. sec. Jørgensen & al. (2014)
 = *Cereus dayami* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 480. 1905 syn. sec. Jørgensen & al. (2014) ≡ *Piptanthocereus dayamii* (Speg.) F.Ritter, Kakteen Südamerika 2: 554. 1980 syn. sec. Korotkova (2021)
 = *Cereus platygonus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 481. 1905 syn. sec. Britton & Rose (1920)
 = *Cereus argentinensis* Britton & Rose, Cactaceae 2: 11. 1920 syn. sec. Hunt (2016)
 = *Cereus roseiflorus* Speg. in Anales Soc. Ci. Argent. 99: 113. 1925 syn. sec. Hunt (2016)

***Cereus tacuaralensis* Cárdenas in Cactus (Paris) 80-81: 19. 1964.** Sec. Jørgensen & al. (2014)

***Cereus trigonodendron* K.Schum. ex Vaupel in Notizbl. Bot. Gart. Berlin-Dahlem 5(50): 286. 1913.** Sec. Hunt (2016)

***Cereus vargasianus* Cárdenas in Succulenta (Netherlands) 1951: 34. 1951.** Sec. Hunt (2016)

***Cereus yungasensis* A.Fuentes & Quispe in Revista Soc. Boliv. Bot. 4(2): 198, f. 1, 2. 2009.** Sec. Jørgensen & al. (2014)

***Chamaecereus* Britton & Rose, Cactaceae 3: 48. 1922.** Sec. Hunt (2016)

Type: *Chamaecereus silvestrii* (Speg.) Britton & Rose

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Chamaecereus saltensis* (Speg.) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012.** Sec. Schlumpberger (2012)

- ≡ *Echinopsis saltensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 487. 1905 syn. sec. Schlumpberger (2012) ≡ *Lobivia saltensis* (Speg.) Britton & Rose, Cactaceae 3: 53, f. 70. 1922
 = *Lobivia nealeana* Backeb. in Blätt. Kakteenf. 1934(1): 6. 1934 ≡ *Echinopsis nealeana* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Tropicos ≡ *Lobivia saltensis* var. *nealeana* (Backeb.) Rausch, Lobivia: 132. 1975 ≡ *Echinopsis saltensis* var. *nealeana* (Backeb.) J.G.Lamb., Cactus Argentine, ed. 2: 65. 1998
 = *Lobivia pseudocachensis* Backeb. in Blätt. Kakteenf. 1934(5): 5, genus 57, sp. 11. 1934 ≡ *Echinopsis pseudocachensis* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Tropicos ≡ *Lobivia saltensis* var. *pseudocachensis* (Backeb.) Rausch, Lobivia 85: 117. 1987 ["1985"] ≡ *Echinopsis saltensis* var. *pseudocachensis* (Backeb.) J.G.Lamb., Cactus Argentine, ed. 2: 66. 1998
 = *Lobivia emmae* Backeb. in Spine 1: 109. 1948 syn. sec. Kew WCVP (2019) ≡ *Lobivia saltensis* var. *emmae* (Backeb.) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 ≡ *Lobivia saltensis* f. *emmae* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 7. 1992
 = *Lobivia saltensis* var. *zapallarensis* Rausch, Lobivia 85: 120, 144. 1987 ["1985"] syn. sec. Kew WCVP (2019)

***Chamaecereus schreiteri* (A.Cast.) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012.** Sec. Schlumpberger (2012)

- ≡ *Lobivia schreiteri* A.Cast. in Monatsschr. Deutsch. Kakteen-Ges. 2: 59. 1930 syn. sec. Schlumpberger (2012) ≡ *Echinopsis schreiteri* (A.Cast.) Werderm. ex Backeb., Neue Kakteen: 85. 1931 ≡ *Lobivia saltensis* var. *schreiteri* (A.Cast.) Rausch, Lobivia: 132. 1975 syn. sec. Kew WCVP (2019) ≡ *Echinopsis saltensis* subsp. *schreiteri* (A.Cast.) M.Lowry in Cactaceae Syst. Init. 16: 7. 2003
 = *Lobivia schreiteri* var. *riolarensis* Rausch, Lobivia 85: 145. 1987 ["1985"] syn. sec. Kew WCVP (2019)

***Chamaecereus silvestrii* (Speg.) Britton & Rose, Cactaceae 3: 48, fig. 61. 1922.** Sec. Hunt (2016)

- ≡ *Cereus silvestrii* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 483. 1905 ≡ *Lobivia silvestrii* (Speg.) G.D.Rowley in Nat. Cact. & Succ. Journ. 12: 68. 1967 ≡ *Echinopsis chamaecereus* H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 syn. sec. IPNI
 = *Cereus silvestrii* var. *crassicaulis* Backeb. in Blätt. Kakteenf. 1934(8): 8. 1934 syn. sec. Kew WCVP (2019)

***Chamaecereus stilowianus* (Backeb.) Schlumpb. in *Cactaceae Syst. Init.* 28: 29. 2012.** Sec. Schlumpberger (2012)

≡ *Lobivia stilowiana* Backeb. in *Sukkulantenkunde* 3: 31. 1949 syn. sec. Schlumpberger (2012) ≡ *Lobivia saltensis* var. *stilowiana* (Backeb.) Rausch, *Lobivia*: 132. 1975 ≡ *Lobivia schreiteri* var. *stilowiana* (Backeb.) Rausch, *Lobivia* 85: 121. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis stilowiana* (Backeb.) M.Lowry in *Cactaceae Syst. Init.* 16: 7. 2003 ≡ *Echinopsis stilowiana* (Backeb.) J.G.Lamb., *Cact. d'Argentine*, ed. 2: 70. 1998 syn. sec. Schlumpberger (2012)

***Cipocereus* F.Ritter, *Kakteen Südamerika* 1: 54. 1979.** Sec. Taylor & Zappi (2004)

Type: *Cipocereus pleurocarpus* F.Ritter

= *Floribunda* F.Ritter, *Kakteen Südamerika* 1: 58. 1979 syn. sec. Taylor & Zappi (2004). Type: *Floribunda pusilliflora* F.Ritter

Notes. – **Phylogenetics:** The three *Cipocereus* species sampled by Franco & al. (2017) formed a well-supported clade that was nested in *Cereus*, sister to *Cereus* subg. *Mirabella*. The authors of that study did not make any conclusions as to whether *Cipocereus* should be merged in *Cereus*, therefore *Cipocereus* is still accepted here. See also note under *Cereus*. [Korotkova & al. (2021)]

***Cipocereus bradei* (Backeb. & Voll) Zappi & N.P.Taylor in *Bradleya* 9: 86. 1991.** Sec. Taylor & Zappi (2004)

≡ *Pilocereus bradei* Backeb. & Voll in *Jahrb. Deutsch. Kakteen-Ges.* 1941: 78. 1942 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus bradei* (Backeb. & Voll) Borg, *Cacti*, ed. 2: 147. 1951 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus bradei* (Backeb. & Voll) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 66. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus bradei* (Backeb. & Voll) Buxb. in *Beitr. Biol. Pflanzen* 44: 252. 1968 syn. sec. Taylor & Zappi (2004)

***Cipocereus crassisepalus* (Buining & Brederoo) Zappi & N.P.Taylor in *Bradleya* 9: 86. 1991.** Sec. Taylor & Zappi (2004)

≡ *Cereus crassisepalus* Buining & Brederoo in *Krainz, Kakteen* 53: CIVb. 1973 syn. sec. Taylor & Zappi (2004) ≡ *Piptanthocereus crassisepalus* (Buining & Brederoo) F.Ritter, *Kakteen Südamerika* 1: 238. 1979 syn. sec. Kew WCVP (2019) ≡ *Pilosocereus crassisepalus* (Buining & Brederoo) Anceschi & Magli in *Cactusinhabitat S. Amer.* 2005/2010: 33. 2010 syn. sec. Taylor & Zappi (2004)

***Cipocereus laniflorus* N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997.** Sec. Taylor & Zappi (2004)

≡ *Pilosocereus laniflorus* (N.P.Taylor & Zappi) P.J.Braun & Esteves in *Schumannia* 3: 188. 2002 ["2001"] syn. sec. Taylor & Zappi (2004)

***Cipocereus minensis* (Werderm.) F.Ritter, *Kakteen Südamerika* 1: 57. 1979.** Sec. Taylor & Zappi (2004)

≡ *Cereus minensis* Werderm., *Bras. Säulenakt.*: 93. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Pilocereus minensis* (Werderm.) Backeb. in *Blätt. Kakteenf.* 1935(1): 2. 1935 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus minensis* (Werderm.)

L.Y.Dawson in *Los Angeles County Mus. Contr. Sci.* 10: 6. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus minensis* (Werderm.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus minensis* (Werderm.) F.H.Brandt in *Succulenta (Netherlands)* 60: 117. 1981 syn. sec. Taylor & Zappi (2004)

= *Cipocereus pleurocarpus* F.Ritter, *Kakteen Südamerika* 1: 54. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus pleurocarpus* (F.Ritter) F.H.Brandt in *Succulenta (Netherlands)* 60: 117. 1981 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus pleurocarpus* (F.Ritter) P.J.Braun in *Bradleya* 6: 88. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Cipocereus minensis* subsp. *pleurocarpus* (F.Ritter) N.P.Taylor & Zappi in *Bol. Bot. Univ. São Paulo* 12: 48. 1991 syn. sec. Taylor & Zappi (2004)

Cipocereus minensis* subsp. *leiocarpus* N.P.Taylor & Zappi, *Cacti Eastern Brazil*: 288. 2004.** Sec. Taylor & Zappi (2004)Cipocereus minensis* subsp. *minensis*.** Sec. Taylor & Zappi (2004)***Cipocereus pusilliflorus* (F.Ritter) Zappi & N.P.Taylor in *Bradleya* 9: 86. 1991.** Sec. Taylor & Zappi (2004)

≡ *Floribunda pusilliflora* F.Ritter, *Kakteen Südamerika* 1: 58–60. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus pusilliflorus* (F.Ritter) P.J.Braun in *Bradleya* 6: 90. 1988 syn. sec. Taylor & Zappi (2004)

***Cleistocactus* Lem. in *Ill. Hort.* 8: Misc. 35. 1861.** Sec. Hunt (2016)

Type: *Cleistocactus baumannii* (Lem.) Lem.

= *Cleistocereus* Frič & Kreuz. in *Succulenta (Netherlands)* 18: 120. 1936 syn. sec. Kew WCVP (2019)

= *Bolivicereus* Cárdenas in *Cact. Succ. J. (Los Angeles)* 23: 91. 1951 syn. sec. Hunt (2016). Type: *Bolivicereus samaipatanus* Cárdenas

= *Cephalocleistocactus* F.Ritter in *Succulenta (Netherlands)*: 108. 1959 syn. sec. Hunt (2016). Type: *Cephalocleistocactus chrysocephalus* F.Ritter

= *Wintertia* F.Ritter in *Kakteen And. Sukk.* 13: 4. 1962, nom. illeg. syn. sec. Kew WCVP (2019)

= *Seticleistocactus* Backeb., *Descr. Cact. Nov.* 3: 13. 1963 syn. sec. Hunt (2016). Type: *Seticleistocactus piraymirensis* (Cárdenas) Backeb.

= *Winterocereus* Backeb., *Kakteenlex.*: 455. 1966 syn. sec. Hunt (2016). Type: *Winterocereus aureispinus* (F.Ritter) Backeb.

– *Hildewintera* F.Ritter in *Kakteen And. Sukk.* 17: 11. 1966, nom. inval. syn. sec. Hunt (2016). Type: *Hildewintera aureispina* (F.Ritter) F.Ritter ex G.D.Rowley

Notes. – The broad circumscription of *Cleistocactus* as employed by Anderson (2001, 2005), and Hunt (2006) goes back to the *Cactaceae* consensus classification reported by Hunt & Taylor (1986), where the predominantly ornithophilous floral syndrome was used as diagnostic character. Schlumpberger & Renner (2012) found that *Cleistocactus* s.l. is polyphyletic - the monotypic *Cephalocleistocactus* was placed as sister to *Yungasocereus*, while *Cleistocactus* s.str. is sister to *Vatricania* next to *Weberbauerocereus*, and two terminals representing the former *Borzicactus* and *Loxanthocereus* are placed in the *Oreocereus* clade, the former next to *Matucana*, and the latter next to *Haageocereus*.

Deciding whether *Cleistocactus* s.l. should be retained or split up is difficult, since sampling of the group and its possible sister taxa is still inadequate. The affiliation of *Loxanthocereus* with *Haageocereus* was seen earlier and Nyffeler & Eggli (2010) listed it as synonym of *Haageocereus*. [Hernández-Ledesma & al. (2015)]

***Cleistocactus baumannii* (Lem.) Lem. in Ill. Hort. 8: Misc. 35. 1861.** Sec. Kiesling & al. (2014)

≡ *Cereus baumannii* Lem. in Hort. Universel 5: 126. 1844 syn. sec. Kiesling & al. (2014) ≡ *Aporocactus baumannii* (Lem.) Lem. in Ill. Hort. 7: Misc. 67. 1860 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis baumannii* (Lem.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 37. 2013 syn. sec. Kiesling & al. (2014)

= *Cereus flavispinus* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 5. 1822 syn. sec. Kew WCVP (2019)

= *Cactus flavispinus* Colla, Hortus Ripul.: 24. 1824 syn. sec. Kiesling & al. (2014) ≡ *Cereus flavispinus* (Colla) Haw. ex Steud., Nomencl. Bot., ed. 2, 1: 334. 1840 syn. sec. Korotkova (2021)

= *Cereus subtortuosus* C.F.Först., Handb. Cacteenk.: 409. 1846 syn. sec. Kew WCVP (2019)

= *Cereus colubrinus* var. *flavispinus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 215. 1850 syn. sec. Kew WCVP (2019)

= *Cereus tweediei* Hook. in Bot. Mag. 76: t. 4498. 1850 syn. sec. Tropicos

= *Cereus baumannii* var. *flavispinus* Salm-Dyck ex K.Schum., Gesamtbeschr. Kakt.: 133. 1897 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus baumannii* var. *flavispinus* (Salm-Dyck) Riccob. in Boll. Reale Orto Bot. Palermo 8: 266. 1909 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus colubrinus* var. *flavispinus* (Salm-Dyck) Borg, Cacti, ed. 1: 150. 1937 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus flavispinus* (K.Schum.) Backeb., Cactaceae 2: 1000. 1959 syn. sec. Kew WCVP (2019)

= *Cleistocactus aureispinus* Frië in Möller's Deutsche Gärt.-Zeitung 43: 267. 1928 syn. sec. Kiesling & al. (2014)

= *Cleistocactus bruneispinus* Backeb., Cactaceae 2: 1001. 1959 syn. sec. Kew WCVP (2019)

= *Cleistocactus jugatiflorus* Backeb., Cactaceae 6: 3685. 1962 syn. sec. Kew WCVP (2019)

***Cleistocactus baumannii* subsp. *baumannii*.** Sec. Kiesling & al. (2014)

= *Cereus colubrinus* Otto ex C.F.Först., Handb. Cacteenk.: 409. 1846 syn. sec. Kiesling & al. (2014) ≡ *Cereus colubrinus* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 50, 215. 1850, nom. illeg. syn. sec. Kiesling & al. (2014) ≡ *Aporocactus colubrinus* (Otto ex C.F.Först.) Lem. in Ill. Hort. 7(Misc.): 67. 1860 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus colubrinus* (Otto ex C.F.Först.) Lem. in Ill. Hort. 8(Misc.): 35. 1861 syn. sec. Kiesling & al. (2014) ≡ *Cereus baumannii* var. *colubrinus* K.Schum., Gesamtbeschr. Kakt.: 113. 1897 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus baumannii* var. *colubrinus* (Otto ex C.F.Först.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 266. 1909 syn. sec. Kiesling & al. (2014)

***Cleistocactus baumannii* subsp. *horstii* (P.J.Braun) N.P.Taylor in Cactaceae Consensus Init. 6: 15. 1998.** Sec. Kiesling & al. (2014)

≡ *Cleistocactus horstii* P.J.Braun in Kakteen And. Sukk. 33: 208. 1982 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis horstii* (P.J.Braun) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Korotkova (2021)

***Cleistocactus baumannii* subsp. *santacruzensis* (Backeb.) Mottram in Cact. Succ. J. (Los Angeles) 61: 156. 1989.** Sec. Kiesling & al. (2014)

≡ *Cleistocactus santacruzensis* Backeb., Kakteenlex.: 89. 1966 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis santacruzensis* (Backeb.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 40. 2013 syn. sec. Kiesling & al. (2014)

= *Cereus anguinus* Gürke in Monatsschr. Kakteenk. 17: 166. 1907 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus anguinus* (Gürke) Britton & Rose, Cactaceae 2: 175. 1920 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus baumannii* subsp. *anguinus* (Gürke) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kiesling & al. (2014)

= *Cereus grossei* Weing. in Monatsschr. Kakteenk. 18: 8. 1908 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus grossei* (Weing.) Backeb., Kaktus-ABC: 189. 1936 ["1935"] syn. sec. WFO 2019 ≡ *Cleistocactus colubrinus* var. *grossei* (Weing.) Borg, Cacti, ed. 1: 150. 1937 syn. sec. WFO 2019 ≡ *Cleistocactus baumannii* var. *grossei* (Weing.) W.T.Marshall in Marshall & Bock, Cactaceae: 106. 1941 syn. sec. WFO 2019

= *Cleistocactus croceiflorus* F.Ritter, Kakteen Südamerika 1: 272. 1979 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus baumannii* subsp. *croceiflorus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995

= *Cleistocactus paraguariensis* F.Ritter, Kakteen Südamerika 1: 273. 1979 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus baumannii* var. *paraguariensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995

= *Cleistocactus chacoanus* F.Ritter, Kakteen Südamerika 2: 671. 1980 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus baumannii* subsp. *chacoanus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995

= *Cleistocactus chacoanus* var. *santacruzensis* F.Ritter, Kakteen Südamerika 2: 672, fig. 1980 syn. sec. Kiesling & al. (2014)

***Cleistocactus brookeae* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 144. 1952.** Sec. Kiesling & al. (2014)

= *Cleistocactus brookeae* var. *flavispinus* F.Ritter, Kakteen Südamerika 2: 680. 1980 syn. sec. Kiesling & al. (2014)

***Cleistocactus brookeae* subsp. *brookeae*.** Sec. Kiesling & al. (2014)

= *Cleistocactus wendlandiorum* Backeb. in Kakteen And. Sukk. 6: 115. 1955 syn. sec. Kiesling & al. (2014)

***Cleistocactus brookeae* subsp. *vulpis-cauda* (F.Ritter & Cullmann) Mottram in Cactaceae Syst. Init. 13: 10. 2002.** Sec. Kiesling & al. (2014)

≡ *Cleistocactus vulpis-cauda* F.Ritter & Cullmann in Kakteen And. Sukk. 13: 38. 1962 syn. sec. Kiesling & al. (2014)

***Cleistocactus buchtienii* Backeb., Kaktus-ABC: 411, 189. 1936 ["1935"].** Sec. Kiesling & al. (2014)

≡ *Echinopsis buchtienii* (Backeb.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 37. 2013 syn. sec. Kiesling & al. (2014) – *Cleistocactus buchtienii* Backeb. in Cact. J. (Croydon) 3: 25, in obs. 1935, nom. nud. syn. sec. Kiesling & al. (2014)

= *Cereus tupizensis* Vaupel in Monatsschr. Kakteenk. 26: 124. 1916 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus tupizensis* (Vaupel) Backeb. in Kakteen-Freund 3: 123. 1934 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus tupizensis* (Vaupel) Backeb. in Backeberg & Knuth, Kaktus-ABC: 190. 1936 ["1935"] syn. sec. Kiesling & al. (2014)

- = *Cleistocactus buchtienii* var. *flavispinus* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 182. 1952 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus sucrensis* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 148. 1952 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus tupizensis* var. *sucrensis* (Cárdenas) Backeb., Cactaceae 2: 1012. 1959 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus angosturenensis* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 60. 1956 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus ayopayanus* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 58. 1956 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus ressinianus* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 55. 1956 syn. sec. Kiesling & al. (2014)
***Cleistocactus candelilla* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 146. 1952.** Sec. Kiesling & al. (2014)
 ≡ *Echinopsis candelilla* (Cárdenas) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus candelilla* var. *pojoensis* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 147. 1952 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus pojoensis* (Cárdenas) Backeb., Cactaceae 2: 1003. 1959 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus dependens* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 141, f. 86–88. 1952 syn. sec. Kiesling & al. (2014) ≡ *Seticleistocactus dependens* (Cárdenas) Backeb., Kakteenlex.: 406. 1966 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus ianthinus* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 57, f. 33, 34. 1956 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus vallegrandensis* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 75. 1961 syn. sec. Kiesling & al. (2014)
***Cleistocactus hildegardiae* F.Ritter, Kakteen Südamerika 2: 685. 1980.** Sec. Kiesling & al. (2014)
***Cleistocactus hyalacanthus* (K.Schum.) Rol.-Goss. in Bull. Mens. Soc. Centr. Agric. Hort. Arboric. Nice Alpes Maritimes 33: 44. 1904.** Sec. Kiesling & al. (2014)
 ≡ *Cereus hyalacanthus* K.Schum., Gesamtbeschr. Kakt.: 101. 1897 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus hyalacanthus* subsp. *hyalacanthus* syn. sec. Kiesling & al. (2014)
 = *Demnosa strausii* var. *luteispina* Frič in Möller's Deutsche Gärt.-Zeitung 44: 170. 1929 syn. sec. Kew WCVP (2019)
 = *Pilocereus strausii* var. *fricii* Dörf. in Monatsschr. Deutsch. Kakteen-Ges. 2: 55. 1930 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus strausii* var. *fricii* (Dörf.) Backeb., Cactaceae 2: 1015. 1959 syn. sec. Kew WCVP (2019)
 = *Cleistocactus strausii* var. *jujuyensis* Backeb. in Cact. J. (London) 3: 25. 1934 syn. sec. Tropicos ≡ *Cleistocactus jujuyensis* (Backeb.) Backeb. in Beitr. Sukkulenteenk. Sukkulentepflege 1942: 50. 1942 syn. sec. Kiesling & al. (2014) ≡ *Pilocereus jujuyensis* (Backeb.) Anon. in Cact. & Vetpl. (Amsterdam) 8: 5. 1942 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus hyalacanthus* Backeb., Veröff. Deutsch. Kakt.-Ges. 5: 50. 1942, nom. illeg. syn. sec. WFO 2019
 = *Cleistocactus tarijensis* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 54. 1956 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus hyalacanthus* subsp. *tarijensis* (Cárdenas) Mottram in Cactaceae Syst. Init. 13: 11. 2002 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus compactus* Backeb., Descr. Cact. Nov. 1: 17. 1957 ["1956"] syn. sec. Kiesling & al. (2014)
 = *Cleistocactus jujuyensis* var. *fulvus* F.Ritter, Kakteen Südamerika 2: 480. 1980 syn. sec. Kew WCVP (2019)
 = *Echinopsis nothohyalacantha* Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Kiesling & al. (2014)
***Cleistocactus laniceps* (K.Schum.) Rol.-Goss., Cleistocactus: 4. 1904.** Sec. Kiesling & al. (2014)
 ≡ *Cereus laniceps* K.Schum., Gesamtbeschr. Kakt.: 93. 1897 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus laniceps* (K.Schum.) Backeb. in Cact. Succ. J. (Los Angeles) 3: 132. 1932 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus laniceps* var. *plurispinus* F.Ritter, Kakteen Südamerika 2: 673. 1980 syn. sec. Kiesling & al. (2014)
***Cleistocactus luribayensis* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 59. 1956.** Sec. Kiesling & al. (2014)
 = *Cleistocactus glaucus* F.Ritter in Taxon 13: 114. 1964 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus glaucus* var. *plurispinus* F.Ritter in Taxon 13: 114. 1964 syn. sec. Kew WCVP (2019)
 = *Cleistocactus granjaensis* F.Ritter, Kakteen Südamerika 2: 687. 1980 syn. sec. Kiesling & al. (2014)
***Cleistocactus morawetzianus* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 77. 1936.** Sec. Hunt (2016)
 ≡ *Echinopsis morawetziana* (Backeb.) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Hunt (2016)
 = *Cleistocactus morawetzianus* var. *pyncacanthus* Rauh & Backeb., Descr. Cact. Nov. 1: 17. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Cleistocactus pyncacanthus* (Rauh & Backeb.) Backeb., Kakteenlex.: 88. 1966 syn. sec. Hunt (2016)
 = *Corryocactus heteracanthus* Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2016)
 = *Cleistocactus villaazulensis* F.Ritter, Kakteen Südamerika 4: 1359. 1981 syn. sec. Hunt (2016)
***Cleistocactus orthogonus* Cárdenas in Cactus (Paris) 64: 161. 1959.** Sec. Kiesling & al. (2014)
***Cleistocactus parviflorus* (K.Schum.) Rol.-Goss. in Bull. Soc. Centr. Agric. Hort. Acclim. Nice 44: 32. 1904.** Sec. Kiesling & al. (2014)
 ≡ *Cereus parviflorus* K.Schum., Gesamtbeschr. Kakt.: 100. 1897 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis parviflora* (K.Schum.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 39. 2013 syn. sec. Kiesling & al. (2014)
 = *Cereus areolatus* Muehlenpf. ex K.Schum., Gesamtbeschr. Kakt.: 100, fig. 20. 1897 syn. sec. Kew WCVP (2019)
 = *Cleistocactus areolatus* Riccob. in Boll. Reale Orto Bot. Palermo 8: 264. 1909 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus herzogianus* Backeb. in Blätt. Kakteenf. 1934(6): 4. 1934 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus areolatus* var. *herzogianus* (Backeb.) Backeb., Cactaceae 2: 1005. 1959 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus parviflorus* var. *herzogianus* (Backeb.) Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus fusiflorus* Cárdenas in Cactus (Paris) 57: 252. 1957 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus parviflorus* var. *aiquilensis* F.Ritter in Kakteen And. Sukk. 14: 104. 1963 syn. sec. Kew WCVP (2019)
***Cleistocactus parviflorus* subsp. *parviflorus*.** Sec. Kiesling & al. (2014)
***Cleistocactus parviflorus* var. *comarapanus* F.Ritter, Kakteen Südamerika 2: 683. 1980.** Sec. Kiesling & al. (2014)

- Cleistocactus piraymirens* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 78. 1961.** Sec. Kiesling & al. (2014)
 ≡ *Seticleistocactus piraymirens* (Cárdenas) Backeb., Descr. Cact. Nov. 3: 13. 1963 syn. sec. Kiesling & al. (2014) ≡
Cleistocactus candelilla subsp. *piraymirens* (Cárdenas) Mottram in Cactaceae Syst. Init. 13: 10. 2002 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus myuriniensis* F.Ritter in Taxon 13: 114. 1964 syn. sec. Kiesling & al. (2014)
- Cleistocactus pungens* F.Ritter in Taxon 13: 115. 1964.** Sec. Hunt (2016)
 = *Loxanthocereus brevispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 317. 1958 syn. sec. Kew WCVP (2019)
 = *Cleistocactus brevispinus* F.Ritter, Kakteen Südamerika 4: 1360. 1981 syn. sec. Hunt (2016)
- Cleistocactus reae* Cárdenas in Cactus (Paris) 57: 251. 1957.** Sec. Kiesling & al. (2014)
 = *Cephalocleistocactus chrysocephalus* F.Ritter in Succulenta (Netherlands) 1959: 109. 1959 syn. sec. Kiesling & al. (2014) ≡
Cleistocactus chrysocephalus (F.Ritter) Mottram in Cactaceae Syst. Init. 13: 11. 2002 syn. sec. Kiesling & al. (2014)
 = *Cephalocleistocactus schattatianus* Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus variispinus* F.Ritter in Taxon 13: 114. 1964 syn. sec. Kiesling & al. (2014)
- Cleistocactus ritteri* Backeb. ex Guiggi in Cactology 5 (Suppl. 7): 1. 2020.** Sec. Guiggi (2020)
 – *Cleistocactus ritteri* Backeb. in Kakteen And. Sukk. 10: 11, 163. 1959, nom. inval. syn. sec. Guiggi (2020) –
Cephalocleistocactus ritteri (Backeb.) Backeb., Cactaceae 6: 3691. 1962, nom. inval. syn. sec. Guiggi (2020)
 = *Cleistocactus viridiflorus* Backeb., Descr. Cact. Nov. 3: 5. 1963 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus palhuayensis* F.Ritter & Shatori in Ritter, Kakteen Südamerika 2 2: 688. 1980 syn. sec. Hunt (2016)
 = *Cleistocactus palhuayensis* var. *camachoensis* F.Ritter & Shatori in Ritter, Kakteen Südamerika 2 2: 688. 1980 syn. sec. Kiesling & al. (2014)
- Cleistocactus samaipatanus* (Cárdenas) D.R.Hunt in Bradleya 5: 92. 1987.** Sec. Kiesling & al. (2014)
 ≡ *Bolivocereus samaipatanus* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 91. 1951 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus samaipatanus* (Cárdenas) Kimnach in Cact. Succ. J. (Los Angeles) 32: 93. 1960 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis samaipatanana* (Cárdenas) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 39. 2013 syn. sec. Kiesling & al. (2014)
 = *Bolivocereus samaipatanus* var. *multiflorus* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 93, f. 44. 1951 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus samaipatanus* var. *multiflorus* (Cárdenas) Krainz, Kakteen 21: C Vb. 1962 syn. sec. Kiesling & al. (2014)
 = *Bolivocereus brevicaulis* F.Ritter, Kakteen Südamerika 2: 703. 1980 syn. sec. Kiesling & al. (2014)
 = *Bolivocereus croceus* F.Ritter, Kakteen Südamerika 2: 704. 1980 syn. sec. Kiesling & al. (2014)
 = *Bolivocereus rufus* F.Ritter, Kakteen Südamerika 2: 703. 1980 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus samaipatanensis* (Cárdenas) D.R.Hunt in Bradleya 5: 92. 1987 syn. sec. WFO 2019
- Cleistocactus samaipatanus* subsp. *divi-miseratus* (Cárdenas ex Backeb.) M.Lowry in Bradleya 34: 171. 2016.** Sec. Kew WCVP (2019)
 ≡ *Bolivocereus samaipatanus* var. *divi-miseratus* Cárdenas ex Backeb., Cactaceae 2: 973. 1959 syn. sec. Kew WCVP (2019) ≡
Borzicactus samaipatanus var. *divi-miseratus* (Cárdenas) Krainz, Kakteen 21: C Vb. 1962 syn. sec. Kiesling & al. (2014) ≡
Bolivocereus samaipatanus subsp. *divi-miseratus* (Cárdenas ex Backeb.) Guiggi in Cactology 3: 6. 2012 syn. sec. Kew WCVP (2019)
- Cleistocactus samaipatanus* subsp. *samaipatanus***
- Cleistocactus smaragdiflorus* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 174, fig. 248. 1920.** Sec. Kiesling & al. (2014)
 ≡ *Cereus smaragdiflorus* F.A.C.Weber, Dict. Hort.: 281. 1894 syn. sec. Kew WCVP (2019) ≡ *Cereus colubrinus* var. *smaragdiflorus* F.A.C.Weber, Dict. Hort.: 281. 1894 syn. sec. Korotkova (2021) ≡ *Cereus baumannii* var. *smaragdiflorus* (F.A.C.Weber) K.Schum., Gesamtbeschr. Kakt.: 134. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus colubrinus* var. *smaragdiflorus* (F.A.C.Weber) Rol.-Goss., Bull. Soc. Centr. Agric. Hort. Acclim. Nice 44: 32. 1904 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus smaragdiflorus* var. *flavispinus* Borg, Cacti, ed. 1: 151. 1937 syn. sec. Kew WCVP (2019)
 = *Cleistocactus parapetiensis* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 182. 1952 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus ×rojoii* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 56. 1956 syn. sec. Kew WCVP (2019) ≡ *Cleistocactus smaragdiflorus* f. *rojoii* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 678. 1980 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus azerensis* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 74. 1961 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus ×villamontesii* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 76. 1961 syn. sec. Kew WCVP (2019) ≡
Cleistocactus ×villamontesii var. *longiflorior* Backeb., Kakteenlex.: 90. 1966 syn. sec. Kew WCVP (2019)
 = *Cleistocactus smaragdiflorus* var. *gracilior* Backeb., Kakteenlex.: 89. 1966 syn. sec. WFO 2019
 = *Cleistocactus villamontesii* var. *longiflorior* Backeb., Kakteenlex.: 90. 1966 syn. sec. Kew WCVP (2019)
 = *Cleistocactus ferrarii* R.Kiesling in Hickenia 2: 37. 1984 syn. sec. Kiesling & al. (2014)
- Cleistocactus strausii* (Heese) Backeb. in Kakteen-Freund 3: 121. 1934.** Sec. Kiesling & al. (2014)
 ≡ *Pilocereus strausii* Heese in Gartenflora 56: 410. 1907 syn. sec. Kiesling & al. (2014) ≡ *Cereus strausii* (Heese) Vaupel in Monatsschr. Kakteenk. 23: 37. 1913 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus strausii* (Heese) A.Berger, Entwicklungslin. Kakt.: 53. 1926 syn. sec. Kiesling & al. (2014) ≡ *Demnosa strausii* (Heese) Frič in Möller's Deutsche Gärt.-Zeitung 44: 170. 1929 syn. sec. Kiesling & al. (2014) ≡ *Demnosa strausii* (Heese) Frič in Möller's Deutsche Gärt.-Zeitung 44: 170. 1929 [as "*Demnosa*"] syn. sec. Kew WCVP (2019) ≡ *Cephalocereus strausii* (Heese) Houghton in J. Cact. Succ. Soc. Amer. 1: 170. 1930 syn. sec. Kiesling & al. (2014)
 = *Pilocereus strausii* f. *cristatus* Dörfel. in Monatsschr. Deutsch. Kakteen-Ges. 2: 54. 1930 syn. sec. Kew WCVP (2019)

- = *Cleistocactus nivosus* Borg, *Cacti*, ed. 2: 195. 1951 syn. sec. Kiesling & al. (2014)
 = *Echinopsis nothostrausii* Anceschi & Magli in *Cactusinhabitat S. Amer.* 2011/2013: 39. 2013 syn. sec. Kew WCVP (2019)
- Cleistocactus tominensis* (Weing.) Backeb., *Kaktus-ABC*: 190. 1936 ["1935"].** Sec. Kiesling & al. (2014)
 ≡ *Cereus tominensis* Weing. in *Monatsschr. Deutsch. Kakteen-Ges.* 3: 117. 1931 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus tominensis* (Weing.) Neale, *Cact. & Other Succ.*: 41. 1935 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus tominensis* (Weing.) Borg, *Cacti*, ed. 1: 147. 1937 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis tominensis* (Weing.) Anceschi & Magli in *Cactusinhabitat S. Amer.* 2011/2013: 40. 2013 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus mendozae* Cárdenas in *Cact. Succ. J. (Los Angeles)* 35: 202. 1963 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus capadalensis* F.Ritter, *Kakteen Südamerika* 2: 677. 1980 syn. sec. Kiesling & al. (2014)
- Cleistocactus tominensis* subsp. *micropetalus* (F.Ritter) Mottram in *Cactaceae Syst. Init.* 13: 12. 2002.** Sec. Kiesling & al. (2014)
 ≡ *Cleistocactus micropetalus* F.Ritter, *Kakteen Südamerika* 2: 675. 1980 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus crassicaulis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 33: 77. 1961 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus viridialabastris* Cárdenas in *Cact. Succ. J. (Los Angeles)* 35: 201. 1963 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus clavicaulis* Cárdenas in *Cactus (Paris)* 80-81: 20. 1964 syn. sec. Kiesling & al. (2014)
 = *Cleistocactus crassicaulis* var. *paucispinus* F.Ritter, *Kakteen Südamerika* 2: 674. 1980 syn. sec. Kiesling & al. (2014)
- Cleistocactus tominensis* subsp. *tominensis*.** Sec. Kiesling & al. (2014)
- Cleistocactus winteri* D.R.Hunt in *Bradleya* 6: 100. 1988.** Sec. Hunt (2016)
 = *Winteria aureispina* F.Ritter in *Kakteen And. Sukk.* 13: 4. 1962 syn. sec. Hunt (2016) ≡ *Winterocereus aureispinus* (F.Ritter) Backeb., *Kakteenlex.*: 455. 1966 syn. sec. Hunt (2016) ≡ *Hildewintera aureispina* (F.Ritter) F.Ritter ex G.D.Rowley, *Regnum Veg.* 54: 15. 1968 syn. sec. Hunt (2016) ≡ *Loxanthocereus aureispinus* (F.Ritter) Buxb. in *Krainz, Kakteen* 57: CVb. 1974 syn. sec. Tropicos ≡ *Borzicactus aureispinus* (F.Ritter) G.D.Rowley in *Repert. Pl. Succ.* 24: 6. 1975 ["1973"] syn. sec. Hunt (2016) ≡ *Cleistocactus aureispinus* (F.Ritter) D.R.Hunt in *Bradleya* 5: 92. 1987 syn. sec. Tropicos
- Cleistocactus winteri* subsp. *colademono* D.R.Hunt in *Cactaceae Syst. Init.* 20: 14. 2005.** Sec. Hunt (2016)
 = *Hildewintera colademononis* Diers & Krahn in *Kakteen And. Sukk.* 54: 221. 2003 syn. sec. Hunt (2016) ≡ *Cleistocactus colademononis* (Diers & Krahn) Mottram in *Cact. World* 24: 21. 2006 syn. sec. Hunt (2016) ≡ *Winterocereus colademononis* (Diers & Krahn) Metzger & R.Kiesling in *Taxon* 56: 227. 2007 syn. sec. Hunt (2016) ≡ *Borzicactus colademononis* (Diers & Krahn) Lodé in *Cact.-Avent. Int.* 97: 2. 2012 ["2013"] syn. sec. Kew WCVP (2019)
 – *Hildewintera polonica* V.Foik & Foik in *Cactaceae etc.* 13: 68–70. 2003, nom. inval. syn. sec. Metzger (2021) – *Hildewintera polonica* V.Foik & Foik in *Cactaceae etc.* 14: 50. 2004, nom. inval. syn. sec. Metzger (2021)
- Cleistocactus winteri* subsp. *winteri*.** Sec. Hunt (2016)
- Cochemiea* (K.Brandege) Walton in *Cact. J. (London)* 2: 50. 1899.** Sec. Breslin & al. (2021)
 Type: *Cochemiea halei* (K.Brandege) Walton
 ≡ *Mammillaria* subg. *Cochemiea* K.Brandege in *Erythea* 5: 113. 1897
 = *Neolloydia* Britton & Rose in *Bull. Torrey Bot. Club* 49: 251. 1922 syn. sec. Breslin & al. (2021). Type: *Neolloydia conoidea* (DC.) Britton & Rose
 = *Ortegocactus* Alexander in *Cact. Succ. J. (Los Angeles)* 33: 39. 1961 syn. sec. Breslin & al. (2021). Type: *Ortegocactus macdougallii* Alexander
- Cochemiea albicans* (Britton & Rose) P.B.Breslin & Majure in *Taxon* 70(2): 318. 2021.** Sec. Breslin & al. (2021)
 ≡ *Neomammillaria albicans* Britton & Rose, *Cactaceae* 4: 138. 1923 syn. sec. Breslin & al. (2021) ≡ *Chilita albicans* (Britton & Rose) Orcutt in *Cactography* 2. 1926 syn. sec. Breslin & al. (2021) ≡ *Mammillaria albicans* (Britton & Rose) A.Berger, *Kakteen*: 308. 1929 syn. sec. Breslin & al. (2021) ≡ *Bartschella albicans* (Britton & Rose) Doweld in *Sukkulenty* 3: 37. 2000 ≡ *Mammillaria albicans* subsp. *albicans* syn. sec. Hunt (2016)
 = *Neomammillaria slevinii* Britton & Rose, *Cactaceae* 4: 139–140, f. 153. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria slevinii* (Britton & Rose) Boed., *Mammill.-Vergl.-Schluessel*: 44. 1933 syn. sec. Tropicos ≡ *Chilita slevinii* (Britton & Rose) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria albicans* f. *slevinii* (Britton & Rose) Neutel. in *Succulenta (Netherlands)* 65: 120. 1986 syn. sec. Kew WCVP (2019)
 = *Mammillaria albicans* f. *dolorensis* Lüthy in *Mitt. Arbeitskreises Mammillarienfr.* 16: 184. 1992 syn. sec. Kew WCVP (2019)
- Cochemiea angelensis* (R.T.Craig) P.B.Breslin & Majure in *Taxon* 70(2): 318. 2021.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria angelensis* R.T.Craig, *Mammill. Handb.*: 165. 1945 syn. sec. Breslin & al. (2021) ≡ *Ebnerella angelensis* (R.T.Craig) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Breslin & al. (2021) ≡ *Chilita angelensis* (R.T.Craig) Buxb. in *Sukkulentenkunde* 5: 18. 1954 syn. sec. Breslin & al. (2021) ≡ *Mammillaria dioica* f. *angelensis* (R.T.Craig) Neutel. in *Succulenta (Netherlands)* 65: 119. 1986 ≡ *Mammillaria dioica* subsp. *angelensis* (R.T.Craig) D.R.Hunt, *Mammillaria Postscripts* 7: 3. 1998 ≡ *Cochemiea dioica* subsp. *angelensis* (R.T.Craig) Doweld in *Sukkulenty* 3: 39. 2000 syn. sec. Breslin & al. (2021)

***Cochemiea armillata* (K.Brandegee) P.B.Breslin & Majure in Taxon 70(2): 318. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria armillata* K.Brandegee in Zoë 5(1): 7. 1900 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria armillata* (K.Brandegee) Britton & Rose, Cactaceae 4: 157. 1923 syn. sec. Breslin & al. (2021) ≡ *Chilita armillata* Orcutt in Cactography 2. 1926 syn. sec. Breslin & al. (2021) ≡ *Ebnerella armillata* (K.Brandegee) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Breslin & al. (2021) ≡ *Mammillaria dioica* var. *armillata* (K.Brandegee) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Breslin & al. (2021) ≡ *Bartschella armillata* (K.Brandegee) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Breslin & al. (2021)

= *Neomammillaria lapacena* H.E.Gates, Desert Pl. Life 3: 117. 1932 syn. sec. Hunt (2016)

***Cochemiea barbata* (Engelm.) Doweld in Sukkulenty 3: 38. 2000.** Sec. Breslin & al. (2021)

≡ *Mammillaria barbata* Engelm., Mem. Tour N. Mexico: 105. 1848 ≡ *Cactus barbatus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Neomammillaria barbata* (Engelm.) Britton & Rose, Cactaceae 4: 144. 1923 ≡ *Chilita barbata* Orcutt in Cactography 2. 1926 ≡ *Ebnerella barbata* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951

= *Mammillaria chavezii* Cowper in Natl. Cact. Succ. J. 18: 8. 1963 syn. sec. Tropicos

= *Mammillaria morricalii* Cowper in Cact. Succ. J. (Los Angeles) 41: 208. 1969 syn. sec. Hunt (2016) ≡ *Mammillaria barbata* var. *morricalii* (Cowper) Lodé in Repert. Pl. Succ. 43: 15. 1992 syn. sec. Tropicos

= *Mammillaria orestera* L.D.Benson, Cacti Ariz., ed. 3: 22, 155. 1969 syn. sec. Hunt (2016)

= *Mammillaria santaclarensis* Cowper in Cact. Succ. J. (Los Angeles) 41: 248. 1969 syn. sec. Hunt (2016) ≡ *Mammillaria barbata* var. *santaclarensis* (Cowper) Lodé in Repert. Pl. Succ. 43: 15. 1992 syn. sec. Hunt (2016)

= *Mammillaria gaessii* Cowper in Cact. Succ. J. (Los Angeles) 42: 14, 93. 1970 syn. sec. Hunt (2016) ≡ *Mammillaria barbata* var. *gaessii* (Cowper) Lodé, Repert. Pl. Succ. 43: 15. 1992 syn. sec. Tropicos

= *Mammillaria luthieniae* Laferr. in J. Mammillaria Soc. 38: 18. 1998 syn. sec. Kew WCVP (2019)

= *Mammillaria melilotiae* Laferr. in J. Mammillaria Soc. 38: 18. 1998 syn. sec. Kew WCVP (2019)

***Cochemiea blossfeldiana* (Boed.) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria blossfeldiana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 3: 209. 1931 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria blossfeldiana* (Boed.) H.E.Gates in Cact. Succ. J. (Los Angeles) 4: 371. 1933 syn. sec. Breslin & al. (2021) ≡

Ebnerella blossfeldiana (Boed.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Breslin & al. (2021) ≡ *Chilita blossfeldiana* (Boed.) Buxb. in Sukkulentenkunde 5: 17. 1954 syn. sec. Breslin & al. (2021) ≡ *Mammillaria goodridgei* var. *blossfeldiana* (Boed.) Neutel. in Succulenta (Netherlands) 65: 120. 1986 syn. sec. Breslin & al. (2021) ≡ *Bartschella blossfeldiana* (Boed.)

Doweld in Novosti Sist. Vyssh. Rast. 33: 167. 2001 ≡ *Mammillaria blossfeldiana* var. *blossfeldiana*

= *Mammillaria shurliana* H.E.Gates in Cact. Succ. J. Gr. Brit. 18: 30. 1956 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡

Mammillaria blossfeldiana var. *shurliana* (H.E.Gates) Wiggins, Veg. Fl. Sonoran Des. 2: 1030. 1964 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria goodridgei* f. *shurliana* (H.E.Gates) Neutel. in Succulenta (Netherlands) 65: 120. 1986 syn. sec. Kew WCVP (2019)

Cochemiea blossfeldiana* subsp. *blossfeldiana***Cochemiea blossfeldiana* subsp. *rectispina* (E.Y.Dawson) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria goodrichii* var. *rectispina* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 80. 1952 syn. sec. Breslin & al. (2021) ≡ *Mammillaria goodridgei* var. *rectispina* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 24: 80. 1952 ≡ *Mammillaria rectispina* (E.Y.Dawson) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 33. 1989

***Cochemiea boolii* (G.E.Linds.) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria boolii* G.E.Linds. in Cact. Succ. J. (Los Angeles) 25: 48. 1953 syn. sec. Breslin & al. (2021) ≡ *Chilita boolii* (G.E.Linds.) Buxb. in Sukkulentenkunde 5: 17. 1954 syn. sec. Breslin & al. (2021) ≡ *Bartschella boolii* (G.E.Linds.) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Breslin & al. (2021)

***Cochemiea bullardiana* (H.E.Gates) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

≡ *Neomammillaria bullardiana* H.E.Gates in Cact. Succ. J. (Los Angeles) 6: 4. 1934 syn. sec. Breslin & al. (2021) ≡ *Mammillaria bullardiana* (H.E.Gates) Boed., Kaktus-ABC: 387. 1935 ≡ *Ebnerella bullardiana* (H.E.Gates) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Mammillaria goodridgei* var. *bullardiana* (H.E.Gates) Neutel. in Succulenta (Netherlands) 65: 120. 1986 ≡ *Mammillaria hutchisoniana* var. *bullardiana* (H.E.Gates) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 134. 1991

***Cochemiea capensis* (H.E.Gates) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

≡ *Neomammillaria capensis* H.E.Gates in Cact. Succ. J. (Los Angeles) 4: 372. 1933 ≡ *Mammillaria capensis* (H.E.Gates) R.T.Craig, Mammill. Handb.: 156. 1945 ≡ *Ebnerella capensis* (H.E.Gates) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Chilita capensis* (H.E.Gates) Buxb. in Sukkulentenkunde 5: 17. 1954 ≡ *Mammillaria dioica* var. *capensis* (H.E.Gates) Neutel. in Succulenta (Netherlands) 65: 119. 1986

***Cochemiea cerralboa* (Britton & Rose) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

≡ *Neomammillaria cerralboa* Britton & Rose, Cactaceae 4: 116, f. 121a. 1923 syn. sec. Breslin & al. (2021) ≡ *Mammillaria cerralboa* (Britton & Rose) Orcutt in Cactography 7. 1926 ≡ *Mammillaria dioica* var. *cerralboa* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Mammillaria armillata* subsp. *cerralboa* (Britton & Rose) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 ≡ *Bartschella cerralboa* (Britton & Rose) Doweld in Sukkulenty 3: 37. 2000

***Cochemia conoidea* (DC.) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria conoidea* DC. in Mém. Mus. Hist. Nat. 17: 112. 1828 syn. sec. Breslin & al. (2021) ≡ *Echinocactus conoideus* (DC.) Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Tropicos ≡ *Cactus conoideus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Coryphantha conoidea* (DC.) Orcutt, Circular to Cactus Fanciers, p.i. 1922 syn. sec. Kew WCVP (2019) ≡ *Neolloydia conoidea* (DC.) Britton & Rose in Bull. Torrey Bot. Club 49: 252. 1922 syn. sec. Breslin & al. (2021) ≡ *Pediocactus conoideus* (DC.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 23. 1998 syn. sec. Kew WCVP (2019) ≡ *Neolloydia conoidea* var. *conoidea* syn. sec. Parfitt & Gibson (2003)
- = *Mammillaria crebrispina* DC. in Mém. Mus. Hist. Nat. 17: 111. 1828 syn. sec. Tropicos ≡ *Cactus crebrispinus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria grandiflora* Otto ex Pfeiff., Enum. Diagn. Cact.: 33. 1837 syn. sec. Tropicos ≡ *Cactus grandiflorus* (Otto) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicos ≡ *Coryphantha grandiflora* (Otto) A.Berger, Kakteen: 266. 1929 syn. sec. Korotkova (2021) ≡ *Neolloydia grandiflora* (Otto) F.M.Knuth, Kaktus-ABC: 368. 1936 ["1935"] syn. sec. Tropicos ≡ *Neolloydia conoidea* var. *grandiflora* (Otto ex Pfeiff.) Kladiwa & Fittkau in Krainz, Kakteen 42: VIII b. 1971 syn. sec. Kew WCVP (2019)
- = *Mammillaria diaphanacantha* Lem., Cact. Aliq. Nov.: 39. 1838 syn. sec. Kew WCVP (2019)
- = *Mammillaria inconspicua* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 495. 1838 syn. sec. Kew WCVP (2019)
- = *Mammillaria coronata* Scheidw. in Allg. Gartenzeitung 8: 338. 1840 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Cactus coronatus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Korotkova (2021)
- = *Mammillaria echinocactoides* Pfeiff. in Allg. Gartenzeitung 8: 281. 1840 syn. sec. Tropicos ≡ *Cactus echinocactoides* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria ceratites* Quehl in Monatsschr. Kakteenk. 19: 155. 1909 syn. sec. Tropicos ≡ *Neolloydia ceratites* (Quehl) Britton & Rose, Cactaceae 4: 16, f. 16. 1923 syn. sec. Tropicos ≡ *Coryphantha ceratites* (Quehl) A.Berger, Kakteen: 266. 1929 syn. sec. Kew WCVP (2019) ≡ *Neolloydia conoidea* var. *ceratites* (Quehl) Kladiwa & Fittkau in Krainz, Kakteen 42: VIII b. 1971 syn. sec. Kew WCVP (2019)
- = *Neolloydia texensis* Britton & Rose, Cactaceae 4: 18, f. 18. 1923 syn. sec. Kew WCVP (2019) ≡ *Neolloydia conoidea* var. *texensis* (Britton & Rose) Kladiwa & Fittkau in Krainz, Kakteen 42: VIII b. 1971 syn. sec. Kew WCVP (2019)
- = *Neolloydia stuetzleri* Orcutt in Cactography 8. 1926 syn. sec. Kew WCVP (2019)
- = *Neolloydia matehualensis* Backeb. in Spine 1: 108, 112. 1948 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Neolloydia conoidea* var. *matehualensis* (Backeb.) Kladiwa & Fittkau in Krainz, Kakteen 42: VIII b. 1971 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Neolloydia grandiflora* var. *robusta* Řiha in Kakteen And. Sukk. 32: 128. 1981 syn. sec. Kew WCVP (2019)
- *Neolloydia conoidea* var. *depressa* Frič in Ceskoslov. Zahravn. Listy 1924: 122. 1924, nom. inval. syn. sec. Kew WCVP (2019)

***Cochemia dioica* (K.Brandege) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria dioica* K.Brandege in Erythea 5: 115. 1897 ≡ *Neomammillaria dioica* (K.Brandege) Britton & Rose, Cactaceae 4: 115. 1923 ≡ *Ebnerella dioica* (K.Brandege) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Chilita dioica* (K.Brandege) Buxb. in Sukkulentenkunde 5: 17. 1954 ≡ *Mammillaria dioica* subsp. *dioica* ≡ *Mammillaria dioica* var. *dioica*
- = *Mammillaria goodrichii* Engelm., Erythea 5: 115. 1897 syn. sec. Tropicos
- = *Mammillaria fordii* Orcutt in W. Amer. Sci. 13: 49. 1902 syn. sec. Tropicos
- = *Chilita fordii* Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria incerta* Parish, Fl. Calif. 2: 549. 1936 syn. sec. Tropicos ≡ *Mammillaria dioica* var. *incerta* (Parish) Munz, Aliso 4(1): 94. 1958 syn. sec. Tropicos ≡ *Mammillaria dioica* f. *incerta* (Parish) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019)

***Cochemia estebanensis* (G.E.Linds.) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria estebanensis* G.E.Linds. in Cact. Succ. J. (Los Angeles) 39: 31. 1967 syn. sec. Breslin & al. (2021) ≡ *Mammillaria angelensis* var. *estebanensis* (G.E.Linds.) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 34. 1981 ≡ *Mammillaria dioica* f. *estebanensis* (G.E.Linds.) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Breslin & al. (2021) ≡ *Mammillaria dioica* subsp. *estebanensis* (G.E.Linds.) D.R.Hunt, Mammillaria Postscripts 7: 3. 1998 ≡ *Cochemia dioica* subsp. *estebanensis* (G.E.Linds.) Doweld in Sukkulenty 3: 39. 2000

***Cochemia fraileana* (Britton & Rose) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Neomammillaria fraileana* Britton & Rose, Cactaceae 4: 157–158. 1923 syn. sec. Breslin & al. (2021) ≡ *Chilita fraileana* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Breslin & al. (2021) ≡ *Mammillaria fraileana* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 30. 1933 ≡ *Ebnerella fraileana* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Mammillaria albicans* f. *fraileana* (Britton & Rose) Lüthy in Mitteilungsbl. Arbeitskreises Mammillarienfr. 16(5): 187. 1992 syn. sec. Breslin & al. (2021) ≡ *Mammillaria albicans* subsp. *fraileana* (Britton & Rose) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 syn. sec. Breslin & al. (2021) ≡ *Bartschella albicans* subsp. *fraileana* (Britton & Rose) Doweld in Sukkulenty 3: 37. 2000

***Cochemia goodridgei* (Scheer ex Salm-Dyck) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria goodridgei* Scheer ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Breslin & al. (2021) ≡ *Cactus goodridgei* (Scheer ex Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Ebnerella goodridgei* (Scheer ex Salm-Dyck) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Chilita goodridgei* (Scheer ex Salm-Dyck) Orcutt in Cactography 3: 2. 1926 syn. sec. Breslin & al. (2021)

***Cochemiea grahamii* (Engelm.) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria grahamii* Engelm. in Proc. Amer. Acad. Arts 3: 262. 1856 ≡ *Cactus grahamii* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Coryphantha grahamii* (Engelm.) Rydb., Fl. Rocky Mts.: 581. 1917 ≡ *Chilita grahamii* Orcutt in Cactography 2. 1926 ≡ *Mammillaria milleri* var. *grahamii* (Engelm.) Neutel. in Succulenta (Netherlands) 65: 119. 1986, nom. illeg. ≡ *Mammillaria microcarpa* subsp. *grahamii* (Engelm.) Mottram, J. Mammillaria Soc. 31(2): 26. 1991
- = *Mammillaria microcarpa* Engelm., Not. Milit. Recon.: 157. 1848 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria microcarpa* (Engelm.) Britton & Rose, Cactaceae 4: 155. 1923 syn. sec. Korotkova (2021) ≡ *Ebnerella microcarpa* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Korotkova (2021) ≡ *Chilita microcarpa* (Engelm.) Buxb. in Sukkulentenkunde 5: 12. 1954 syn. sec. Korotkova (2021)
- = *Mammillaria grahamii* var. *arizonica* Quehl in Monatsschr. Kakteenk. 6: 44. 1896 syn. sec. Kew WCVP (2019)
- = *Mammillaria oliviae* Orcutt in W. Amer. Sci. 12: 163. 1902 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria oliviae* (Orcutt) Britton & Rose, Cactaceae 4: 135. 1923 syn. sec. Tropicos ≡ *Chilita oliviae* (Orcutt) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella oliviae* (Orcutt) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria grahamii* var. *oliviae* (Orcutt) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Tropicos ≡ *Mammillaria microcarpa* f. *oliviae* (Orcutt) Neutel. in Succulenta (Netherlands) 65: 4. 1986 syn. sec. Kew WCVP (2019) ≡ *Mammillaria milleri* f. *oliviae* (Orcutt) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Tropicos
- = *Neomammillaria milleri* Britton & Rose, Cactaceae 4: 156, f. 184a. 1923 syn. sec. Korotkova (2021) ≡ *Chilita milleri* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Korotkova (2021) ≡ *Mammillaria milleri* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 30. 1933 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria microcarpa* var. *milleri* (Britton & Rose) W.T.Marshall in Desert. Bot. Gard. Arizona, Sci. Bull. 1: 104. 1950 syn. sec. Korotkova (2021)
- = *Mammillaria gueldemanniiana* Backeb. in Kakteenkunde 1941: 57. 1941 syn. sec. Kew WCVP (2019) ≡ *Chilita gueldemanniiana* (Backeb.) Buxb. in Sukkulentenkunde 5: 15. 1954 syn. sec. Kew WCVP (2019) ≡ *Mammillaria microcarpa* f. *gueldemanniiana* (Backeb.) Neutel. in Succulenta (Netherlands) 65: 4. 1986 syn. sec. Kew WCVP (2019) ≡ *Mammillaria milleri* f. *gueldemanniiana* (Backeb.) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019)
- = *Mammillaria microcarpa* var. *auricarpa* W.T.Marshall in Des. Bot. Gard. Ariz. 1: 106. 1950 syn. sec. Tropicos ≡ *Mammillaria microcarpa* f. *auricarpa* (W.T.Marshall) Neutel. in Succulenta (Netherlands) 65: 3. 1986 syn. sec. Kew WCVP (2019) ≡ *Mammillaria milleri* f. *auricarpa* (W.T.Marshall) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019)
- = *Mammillaria pseudoalamensis* Backeb. in Cactus (Paris) 37: 210. 1953 syn. sec. Kew WCVP (2019)
- = *Mammillaria milleri* f. *multiancistra* De Morree in Succulenta (Netherlands) 69: 70. 1990 syn. sec. Kew WCVP (2019)
- = *Mammillaria swinglei* var. *diablosa* P.C.Fisch. in Cact. Succ. J. (Los Angeles) 64: 246. 1992 syn. sec. Kew WCVP (2019)
- = *Mammillaria grahamii* subsp. *grahamii* syn. sec. Hunt (2016)

***Cochemiea guelzowiana* (Werderm.) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria guelzowiana* Werderm. in Z. Sukkulentenk. 3: 356. 1928 syn. sec. Breslin & al. (2021) ≡ *Krainzia guelzowiana* (Werderm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 152. 1951 syn. sec. Breslin & al. (2021) ≡ *Phellosperma guelzowiana* (Werderm.) Bot. Z. 98: 92. 1951 syn. sec. Breslin & al. (2021) ≡ *Bartschella guelzowiana* (Werderm.) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Breslin & al. (2021)
- = *Mammillaria guelzowiana* var. *robustior* R.Wolf in Kakteen And. Sukk. 37: 257. 1986 syn. sec. Kew WCVP (2019)

***Cochemiea halei* (K.Brandege) Walton in Cact. J. (London) 2: 50. 1899.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria halei* K.Brandege in Proc. Calif. Acad. Sci. ser. 2, 2: 161. 1889 syn. sec. Breslin & al. (2021)
- = *Cactus halei* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 106. 1894

***Cochemiea hutchisoniana* (H.E.Gates) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Neomammillaria hutchisoniana* H.E.Gates in Cact. Succ. J. (Los Angeles) 6: 4. 1934 syn. sec. Breslin & al. (2021) ≡ *Mammillaria hutchisoniana* (H.E.Gates) Boed., Kaktus-ABC: 387. 1935 ≡ *Ebnerella hutchisoniana* (H.E.Gates) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Chilita hutchisoniana* (H.E.Gates) Buxb. in Sukkulentenkunde 5: 17. 1954 ≡ *Mammillaria goodridgei* var. *hutchisoniana* (H.E.Gates) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Bartschella hutchisoniana* (H.E.Gates) Doweld in Sukkulenty 3: 38. 2000

Cochemiea hutchisoniana* subsp. *hutchisoniana*.** Sec. Hunt (2016)Cochemiea hutchisoniana* subsp. *louisae* (G.E.Linds.) Majure in Willdenowia 51: 264. 2021.** Sec. Majure (2021)

- ≡ *Mammillaria louisae* G.E.Linds. in Cact. Succ. J. (Los Angeles) 32: 169. 1960 syn. sec. Majure (2021) ≡ *Neomammillaria louisae* (G.E.Linds.) Y.Itô, Cactaceae: 596. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria goodridgei* var. *louisae* (G.E.Linds.) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019) ≡ *Mammillaria hutchisoniana* subsp. *louisae* (G.E.Linds.) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 syn. sec. Majure (2021) ≡ *Bartschella hutchisoniana* subsp. *louisae* (G.E.Linds.) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Kew WCVP (2019)

***Cochemiea insularis* (H.E.Gates) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)

- ≡ *Mammillaria insularis* H.E.Gates in Cact. Succ. J. (Los Angeles) 10: 25. 1938 syn. sec. Breslin & al. (2021) ≡ *Ebnerella insularis* (H.E.Gates) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 ≡ *Chilita insularis* (H.E.Gates) Buxb. in Sukkulentenkunde 5: 17. 1954 ≡ *Neomammillaria insularis* (H.E.Gates) Y.Itô, Cactaceae: 592. 1981 ≡ *Bartschella insularis* (H.E.Gates) Doweld in Sukkulenty 3: 38. 2000

- Cochemia macdougallii* (Alexander) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)
 ≡ *Ortegocactus macdougallii* Alexander in Cact. Succ. J. (Los Angeles) 33: 39. 1961 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Neobesseyia macdougallii* (Alexander) Kladiwa in Krainz, Kakteen 57: CVIII c. 1974 syn. sec. Kew WCVP (2019) ≡ *Escobaria macdougallii* (Alexander) V.John & Řiha in Kaktusy (Brno) 17: 43. 1981 syn. sec. Korotkova (2021)
- Cochemia mainiae* (K.Brandegee) P.B.Breslin & Majure in Taxon 70(2): 319. 2021.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria mainiae* K.Brandegee in Zoë 5(2): 31. 1900 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria mainiae* (K.Brandegee) Britton & Rose, Cactaceae 4: 154. 1923 syn. sec. Breslin & al. (2021) ≡ *Chilita mainiae* (K.Brandegee) Orcutt in Cactography 2. 1926 syn. sec. Breslin & al. (2021) ≡ *Ebnerella mainiae* (K.Brandegee) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Breslin & al. (2021)
- Cochemia maritima* G.E.Linds. in Cact. Succ. J. (Los Angeles) 8: 143. 1937.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria maritima* (G.E.Linds.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 33(3): 58. 1971 ≡ *Mammillaria pondii* subsp. *maritima* (G.E.Linds.) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 ≡ *Cochemia pondii* subsp. *maritima* (G.E.Linds.) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003
- Cochemia multidigitata* (Radley & G.E.Linds.) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria multidigitata* Radley ex G.E.Linds. in Cact. Succ. J. (Los Angeles) 19: 152, f. 99–101. 1947 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria multidigitata* (Radley ex G.E.Linds.) Y.Itô, Cactaceae: 603. 1981 ≡ *Mammillaria dioica* var. *multidigitata* (Radley ex G.E.Linds.) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Bartschella multidigitata* (Radley ex G.E.Linds.) Doweld in Sukkulenty 3: 38. 2000
- Cochemia palmeri* (J.M.Coult.) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)
 ≡ *Cactus palmeri* J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 108. 1894 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria palmeri* (J.M.Coult.) Britton & Rose, Cactaceae 4: 140, t. 14, f. 7. 1923 ≡ *Chilita palmeri* (J.M.Coult.) Orcutt in Cactography 2. 1926 syn. sec. Breslin & al. (2021) ≡ *Mammillaria palmeri* (J.M.Coult.) Jacobi in Backeberg & Knuth, Kaktus-ABC: 394. 1935 ≡ *Mammillaria neopalmeri* R.T.Craig, Mammill. Handb.: 267. 1945 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria neopalmeri* (R.T.Craig) Y.Itô, Cactaceae: 624. 1981 ≡ *Mammillaria dioica* var. *neopalmeri* (R.T.Craig) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Bartschella palmeri* (J.M.Coult.) Doweld in Sukkulenty 3: 38. 2000
 = *Mammillaria dioica* var. *insularis* K.Brandegee in Erythea 5: 115. 1897 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Cochemia phitauiana* (E.M.Baxter) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)
 ≡ *Neomammillaria phitauiana* E.M.Baxter in J. Cact. Succ. Soc. Amer. 2: 472. 1931 ≡ *Mammillaria phitauiana* (E.M.Baxter) Werderm. in Backeberg, Neue Kakteen: 96. 1931 ≡ *Ebnerella phitauiana* (E.M.Baxter) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 ≡ *Chilita phitauiana* (E.M.Baxter) Buxb. in Sukkulentenkunde 5: 18. 1954 ≡ *Mammillaria dioica* f. *phitauiana* (E.M.Baxter) Neutel. in Succulenta (Netherlands) 65: 119, 198. 1986
 = *Mammillaria verhaertiana* Boed. in Monatsschr. Kakteenk. 22: 152. 1912 syn. sec. Hunt (2016) ≡ *Neomammillaria verhaertiana* (Boed.) Britton & Rose, Cactaceae 4: 164. 1923 syn. sec. Korotkova (2021) ≡ *Chilita verhaertiana* (Boed.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella verhaertiana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria dioica* f. *verhaertiana* (Boed.) Neutel. in Succulenta (Netherlands) 65: 119, 198. 1986 syn. sec. Korotkova (2021)
- Cochemia pondii* (Greene) Walton in Cact. J. (London) 2: 51. 1899.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria pondii* Greene in Pittonia 1(6): 268. 1889 ≡ *Cactus pondii* (Greene) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 102. 1894 ≡ *Cochemia pondii* subsp. *pondii* ≡ *Mammillaria pondii* subsp. *pondii*
- Cochemia poselgeri* (Hildm.) Britton & Rose, Cactaceae 4: 22. 1923.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria poselgeri* Hildm. in Gart.-Zeitung (Berlin) 4: 559. 1885
 = *Mammillaria roseana* K.Brandegee in Zoë 2: 19. 1891 syn. sec. Hunt (2016) ≡ *Cochemia roseana* (K.Brandegee) Walton in Cact. J. (London) 2: 51. 1899 syn. sec. Hunt (2016)
 = *Mammillaria radliana* Quehl in Monatsschr. Kakteenk. 2: 104. 1892 syn. sec. Kew WCVP (2019) – *Mammillaria radleana* K.Schum. in Monatsschr. Kakteenk. 2: 104. 1892 syn. sec. TPL (2013) [is misspelling for *Mammillaria radliana* Quehl]
- Cochemia saboae* (Glass) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria saboae* Glass in Cact. Suc. Mex. 11: 55. 1966
 = *Mammillaria saboae* subsp. *roczekii* W.Rischer & Wolfg.Krüger in Mitt. Arbeitskreises Mammillarienfr. 27: 50. 2003 syn. sec. Kew WCVP (2019)
- Cochemia saboae* subsp. *goldii* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria goldii* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 40: 151. 1968 ≡ *Mammillaria saboae* subsp. *goldii* (Glass & R.A.Foster) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 – *Mammillaria saboae* var. *goldii* (Glass & R.A.Foster) G.D.Rowley in J. Mammillaria Soc. 19: 31. 1979, nom. inval. syn. sec. Kew WCVP (2019)
- Cochemia saboae* subsp. *haudeana* (A.B.Lau & K.Wagner) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)
 ≡ *Mammillaria haudeana* A.B.Lau & K.Wagner in Kakteen And. Sukk. 29(11): 253. 1978 ≡ *Mammillaria saboae* f. *haudeana* (A.B.Lau & K.Wagner) D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 97. 1979 ≡ *Mammillaria saboae* subsp. *haudeana* (A.B.Lau & K.Wagner) D.R.Hunt, Mammillaria Postscripts 7: 3. 1998 – *Mammillaria saboae* var. *haudeana* (A.B.Lau & K.Wagner) G.D.Rowley in J. Mammillaria Soc. 19: 30. 1979, nom. inval.
 = *Mammillaria hamuligera* Boed. in Monatsschr. Kakteenk. 18: 144. 1908 syn. sec. Kew WCVP (2019)
- Cochemia saboae* subsp. *saboae***

***Cochemiea schumannii* (Hildm.) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria schumannii* Hildm. in Monatschr. Kakteenk.: 125. 1891 syn. sec. Breslin & al. (2021) ≡ *Bartschella schumannii* (Hildm.) Britton & Rose, Cactaceae 4: 58. 1923 syn. sec. Breslin & al. (2021)

= *Mammillaria venusta* K.Brandege in Zoë 5: 8. 1900 syn. sec. Tropicos

= *Mammillaria schumannii* var. *globosa* R.Wolf in Kakteen And. Sukk. 38: 147. 1987 syn. sec. Kew WCVP (2019)

***Cochemiea setispina* (Engelm. ex J.M.Coult.) Walton in Cact. J. (London) 2: 51. 1899.** Sec. Breslin & al. (2021)

≡ *Cactus setispinus* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 106. 1894 syn. sec. IPNI ≡ *Mammillaria setispina* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 106. 1894 ≡ *Mammillaria pondii* subsp. *setispina* (Engelm. ex J.M.Coult.) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 ≡ *Cochemiea pondii* subsp. *setispina* (Engelm. ex J.M.Coult.) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003

= *Cactus roseanus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 105. 1894 syn. sec. Kew WCVP (2019)

***Cochemiea sheldonii* (Britton & Rose) Doweld in Novosti Sist. Vyssh. Rast. 33: 165. 2001.** Sec. Breslin & al. (2021)

≡ *Neomammillaria sheldonii* Britton & Rose, Cactaceae 4: 156–157, f. 175. 1923 ≡ *Chilita sheldonii* (Britton & Rose) Orcutt in Cactography 2. 1926 ≡ *Mammillaria sheldonii* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 30. 1933 ≡ *Ebnerella sheldonii* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 ≡ *Mammillaria microcarpa* var. *sheldonii* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 3. 1986 ≡ *Mammillaria milleri* var. *sheldonii* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Mammillaria grahamii* subsp. *sheldonii* (Britton & Rose) D.R.Hunt in Cactaceae Syst. Init. 20: 21. 2005

= *Mammillaria inaiiae* P.T.Craig in Cact. Succ. J. (Los Angeles) 10: 111. 1939 syn. sec. Hunt (2016) ≡ *Ebnerella inaiiae*

(R.T.Craig) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Korotkova (2021) ≡ *Chilita inae* (R.T.Craig) Buxb. in

Sukkulentenkunde 5: 15. 1954 syn. sec. Korotkova (2021) ≡ *Neomammillaria inaiiae* (R.T.Craig) Y.Itô, Cactaceae: 606. 1981 syn. sec. Korotkova (2021)

= *Mammillaria alamensis* R.T.Craig, Mammill. Handb.: 299. 1945 syn. sec. Hunt (2016) ≡ *Chilita alamensis* (R.T.Craig) Buxb. in Sukkulenteenkunde 5: 16. 1954 syn. sec. Korotkova (2021) ≡ *Neomammillaria alamensis* (R.T.Craig) Y.Itô, Cactaceae: 597. 1981 syn. sec. Korotkova (2021)

= *Mammillaria guirocobensis* R.T.Craig, Mammill. Handb.: 200, f. 201. 1945 syn. sec. Hunt (2016) ≡ *Ebnerella guirocobensis* (R.T.Craig) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria gueldemanniana* var.

guirocobensis (R.T.Craig) Backeb., Cactaceae 5: 3336. 1961 syn. sec. Kew WCVP (2019)

= *Mammillaria marnieriana* Backeb. in Cactus (Paris) 31(Suppl.): 2. 1952 syn. sec. Tropicos

***Cochemiea swinglei* (Britton & Rose) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

≡ *Neomammillaria swinglei* Britton & Rose, Cactaceae 4: 158. 1923 ≡ *Chilita swinglei* (Britton & Rose) Orcutt in Cactography 2. 1926 ≡ *Mammillaria swinglei* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 33. 1933 ≡ *Ebnerella swinglei* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 ≡ *Mammillaria microcarpa* f. *swinglei* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 4. 1986 ≡ *Mammillaria milleri* f. *swinglei* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 119. 1986 ≡ *Mammillaria dioica* subsp. *swinglei* (Britton & Rose) Hoeve in J. Mammillaria Soc. 53: 16. 2013

***Cochemiea tetrancistra* (Engelm.) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria tetrancistra* Engelm. in Amer. J. Sci. Arts, ser. 2, 14(42): 337–338. 1852 syn. sec. Breslin & al. (2021) ≡ *Cactus tetrancistrus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 104. 1894 ≡ *Phellosperma tetrancistra* (Engelm.) Britton & Rose, Cactaceae 4: 60. 1923 syn. sec. Breslin & al. (2021) ≡ *Neomammillaria tetrancistra* (Engelm.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 57. 1931 syn. sec. Breslin & al. (2021) ≡ *Bartschella tetrancistra* (Engelm.) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Breslin & al. (2021)

= *Mammillaria phellosperma* Engelm. in Proc. Amer. Acad. Arts 3: 262. 1856 syn. sec. Hunt (2016) ≡ *Cactus phellospermus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)

***Cochemiea theresae* (Cutak) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

≡ *Mammillaria theresae* Cutak in Cact. Succ. J. (Los Angeles) 39(2): 239–241, f. 1–5. 1967 – *Mammillaria saboae* var. *theresae* (Cutak) G.D.Rowley in J. Mammillaria Soc. 19: 30. 1979, nom. inval.

Cochemiea thomasii* García-Mor., Rodr.González, J.García-Jim. & Iamónico in Acta Bot. Mex. 127 (e1626): 2. 2020.** Sec. Breslin & al. (2021)Cochemiea thornberi* (Orcutt) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria thornberi* Orcutt in W. Amer. Sci. 12: 161. 1902 syn. sec. Breslin & al. (2021) ≡ *Chilita thornberi* (Orcutt) Orcutt in Cactography 2. 1926 syn. sec. Breslin & al. (2021)

Cochemiea thornberi* subsp. *thornberi***Cochemiea thornberi* subsp. *yaquensis* (R.T.Craig) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)

≡ *Mammillaria yaquensis* R.T.Craig, Mammill. Handb.: 320. 1945 syn. sec. Breslin & al. (2021) ≡ *Ebnerella yaquensis* (R.T.Craig) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 ≡ *Chilita yaquensis* (R.T.Craig) Buxb. in Sukkulenteenkunde 5: 15. 1954 ≡ *Neomammillaria yaquensis* (R.T.Craig) Y.Itô, Cactaceae: 593. 1981 ≡ *Mammillaria thornberi* var. *yaquensis* (R.T.Craig) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Breslin & al. (2021) ≡ *Mammillaria thornberi* subsp. *yaquensis* (R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 5. 1997 syn. sec. Breslin & al. (2021) ≡ *Bartschella yaquensis* (R.T.Craig) Doweld in Sukkulenty 3: 38. 2000

***Cochemia viridiflora* (Britton & Rose) P.B.Breslin & Majure in Taxon 70(2): 320. 2021.** Sec. Breslin & al. (2021)

≡ *Neomammillaria viridiflora* Britton & Rose, *Cactaceae* 4: 153. 1923 syn. sec. Breslin & al. (2021) ≡ *Chilita viridiflora* (Britton & Rose) Orcutt in *Cactography* 2. 1926 ≡ *Mammillaria viridiflora* (Britton & Rose) Boed., *Mammillarien-Vergleichs-Schluessel*: 36. 1933 syn. sec. Breslin & al. (2021) ≡ *Mammillaria wrightii* var. *viridiflora* (Britton & Rose) W.T.Marshall in *Desert. Bot. Gard. Arizona, Sci. Bull.* 1: 102. 1950 syn. sec. Breslin & al. (2021)

***Cochemia wrightii* (Engelm. & J.M.Bigelow) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

≡ *Mammillaria wrightii* Engelm. in *Proc. Amer. Acad. Arts* 3: 262. 1856 ≡ *Cactus wrightii* (Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 ≡ *Neomammillaria wrightii* (Engelm.) Britton & Rose, *Cactaceae* 4: 152. 1923 ≡ *Chilita wrightii* (Engelm.) Orcutt in *Cactography* 2. 1926 ≡ *Ebnerella wrightii* (Engelm.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 ≡ *Mammillaria wrightii* var. *wrightii*

= *Mammillaria wrightii* f. *wolfii* D.R.Hunt in *Cact. Succ. J. Gr. Brit.* 41(4): 97–98. 1979 syn. sec. Kew WCVP (2019) ≡ *Mammillaria wrightii* var. *wolfii* (D.R.Hunt) Repp., *Gattung Mammillaria* 1: 99. 1991 syn. sec. Kew WCVP (2019)

***Cochemia wrightii* subsp. *wilcoxii* (Toumey ex K.Schum.) Doweld in Sukkulenty 3: 39. 2000.** Sec. Breslin & al. (2021)

≡ *Mammillaria wilcoxii* Toumey ex K.Schum., *Gesamtbeschr. Kakt.*: 545. 1898 ≡ *Neomammillaria wilcoxii* (Toumey ex K.Schum.) Britton & Rose, *Cactaceae* 4: 153. 1923 syn. sec. Korotkova (2021) ≡ *Chilita wilcoxii* (Toumey ex K.Schum.) Orcutt in *Cactography* 2. 1926 ≡ *Mammillaria wrightii* var. *wilcoxii* (Toumey ex K.Schum.) W.T.Marshall, *Ariz. Cactuses*: 100. 1950 ≡ *Ebnerella wilcoxii* (Toumey ex K.Schum.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 ≡ *Mammillaria wrightii* subsp. *wilcoxii* (Toumey ex K.Schum.) D.R.Hunt, *Mammillaria Postscripts* 6: 5. 1997 syn. sec. Hunt (2016)

= *Mammillaria meridiorosei* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 50(4): 177–178, f. 1–5. 1978 syn. sec. Hunt (2016)

Cochemia wrightii* subsp. *wrightii***Coleocephalocereus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938.** Sec. Taylor & Zappi (2004)

Type: *Coleocephalocereus fluminensis* (Miq.) Backeb.

= *Buiningia* Buxb. in *Krainz, Kakteen*: 46–47, C IV. 1971 syn. sec. Taylor & Zappi (2004). Type: *Buiningia brevicylindrica* Buining

= *Mariottia* Guiggi, *Iconogr. Cat. Cact. Cult. Hanbury*: 42. 2016 syn. sec. Kew WCVP (2019)

***Coleocephalocereus aureus* F.Ritter in Kakteen And. Sukk. 19: 158. 1968.** Sec. Taylor & Zappi (2004)

= *Buiningia brevicylindrica* Buining in *Krainz, Kakteen* 46–47: CIV. 1971 syn. sec. Taylor & Zappi (2004) ≡

Coleocephalocereus brevicylindricus (Buining) F.Ritter, *Kakteen Südamerika* 1: 122. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus aureus* subsp. *brevicylindricus* (Buining) P.J.Braun in *Kakteen And. Sukk.* 42(4): cppo 60. 1991 syn. sec. Taylor & Zappi (2004)

= *Buiningia brevicylindrica* var. *elongata* Buining in *Krainz, Kakteen* 46–47: CIV. 1971 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus brevicylindricus* var. *elongatus* (Buining) F.Ritter, *Kakteen Südamerika* 1: 122. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus elongatus* (Buining) P.J.Braun in *Bradleya* 6: 92. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus aureus* subsp. *elongatus* (Buining) P.J.Braun in *Kakteen And. Sukk.* 42(4): cppo 60. 1991 syn. sec. Taylor & Zappi (2004)

= *Buiningia brevicylindrica* var. *longispina* Buining in *Krainz, Kakteen* 46–47: CIV. 1971 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus brevicylindricus* var. *longispinus* (Buining) F.Ritter, *Kakteen Südamerika* 1: 122. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus aureus* var. *longispinus* (Buining) P.J.Braun in *Kakteen And. Sukk.* 42(4): cppo 60. 1991 syn. sec. Taylor & Zappi (2004)

***Coleocephalocereus buxbaumianus* Buining in Succulenta (Netherlands) 53(2): 28. 1974.** Sec. Taylor & Zappi (2004)

= *Coleocephalocereus braunii* Diers & Esteves in *Kakteen And. Sukk.* 36: 34. 1985 syn. sec. Taylor & Zappi (2004)

Coleocephalocereus buxbaumianus* subsp. *buxbaumianus*.** Sec. Taylor & Zappi (2004)Coleocephalocereus buxbaumianus* subsp. *flavisetus* (F.Ritter) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997.** Sec. Taylor & Zappi (2004)

≡ *Coleocephalocereus flavisetus* F.Ritter, *Kakteen Südamerika* 1: 127–128. 1979 syn. sec. Taylor & Zappi (2004)

= *Coleocephalocereus estevesii* Diers in *Kakteen And. Sukk.* 29: 205. 1978 syn. sec. Taylor & Zappi (2004)

***Coleocephalocereus fluminensis* (Miq.) Backeb. in Cactaceae (Berlin) 1941(2): 53. 1942.** Sec. Taylor & Zappi (2004)

≡ *Cereus fluminensis* Miq. in *Bull. Sci. Phys. Nat. Néerl.*: 48. 1838 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus fluminensis* (Miq.) Britton & Rose, *Cactaceae* 2: 29. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Austrocephalocereus fluminensis* (Miq.) Buxb. in *Beitr. Biol. Pflanzen* 44: 240. 1968 syn. sec. Taylor & Zappi (2004)

= *Cactus melocactus* Vell., *Fl. Flumin.*: 205. 1829 syn. sec. Taylor & Zappi (2004) ≡ *Cereus melocactus* (Vell.) A.Berger in *Rep. (Annual) Missouri Bot. Gard.* 16: 62. 1905 syn. sec. Taylor & Zappi (2004)

= ?*Cereus ferox* Haw. in *Philos. Mag. Ann. Chem.* 9: 109. 1830 syn. sec. Britton & Rose (1920)

= *Pilocereus velozoi* Lem. in *Rev. Hort.* 1862: 427. 1862 syn. sec. Kew WCVP (2019)

= *Cephalocereus melocactus* K.Schum., *Fl. Bras.* 4(2): 215. 1890 syn. sec. Taylor & Zappi (2004)

= *Pilocereus melocactus* K.Schum. in *Monatsschr. Kakteenk.* 3: 20. 1893 syn. sec. Taylor & Zappi (2004)

= ?*Leocereus paulensis* Speg. in *Anales Soc. Ci. Argent.* 99: 116. 1925 syn. sec. Taylor & Zappi (2004) ≡ *Cereus paulensis* (Speg.) Werderm. in *Backeberg, Neue Kakteen*: 80. 1931 syn. sec. Taylor & Zappi (2004)

- = *Coleocephalocereus paulensis* F.Ritter in *Kakteen And. Sukk.* 19: 161. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus fluminensis* var. *paulensis* (F.Ritter) P.J.Braun in *Kakteen And. Sukk.* 42(8): cppo 130. 1991 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus fluminensis* subsp. *paulensis* (F.Ritter) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 84. 1995 syn. sec. Taylor & Zappi (2004)
- = *Coleocephalocereus diersianus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 39: 53. 1988 syn. sec. Taylor & Zappi (2004)
- Coleocephalocereus fluminensis* subsp. *decumbens* (F.Ritter) N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997. Sec. Taylor & Zappi (2004)**
- ≡ *Coleocephalocereus decumbens* F.Ritter in *Kakteen And. Sukk.* 19: 160–161. 1968 syn. sec. Taylor & Zappi (2004)
- Coleocephalocereus fluminensis* subsp. *fluminensis*.** Sec. Taylor & Zappi (2004)
- = *Coleocephalocereus fluminensis* var. *braamhaarii* P.J.Braun in *Kakteen And. Sukk.* 33: 121. 1982 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus fluminensis* subsp. *braamhaarii* (P.J.Braun) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 84. 1995 syn. sec. Taylor & Zappi (2004)
- Coleocephalocereus goebelianus* (Vaupel) Buining in *Kakteen And. Sukk.* 21: 202. 1970. Sec. Taylor & Zappi (2004)**
- ≡ *Cereus goebelianus* Vaupel in *Z. Sukkulentenk.* 1(6): 58. 1923 syn. sec. Taylor & Zappi (2004) ≡ *Mariottia goebeliana* (Vaupel) Guiggi, *Iconogr. Cat. Cact. Cult. Hanbury*: 42. 2016 syn. sec. Korotkova (2021)
- = *Coleocephalocereus pachystele* F.Ritter in *Kakteen And. Sukk.* 19: 157. 1968 syn. sec. Taylor & Zappi (2004)
- Coleocephalocereus pluricostatus* Buining & Brederoo in *Krainz, Kakteen* 46–47: C IV b. 1971. Sec. Taylor & Zappi (2004)**
- = *Coleocephalocereus pluricostatus* subsp. *uebelmanniorum* P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 152. 1993 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus uebelmanniorum* (P.J.Braun & Esteves) P.J.Braun, Esteves & Hofacker in *Kakteen And. Sukk.* 58: 213. 2007 syn. sec. Taylor & Zappi (2004)
- Coleocephalocereus purpureus* (Buining & Brederoo) F.Ritter, *Kakteen Südamerika* 1: 128. 1979. Sec. Taylor & Zappi (2004)**
- ≡ *Buiningia purpurea* Buining & Brederoo in *Kakteen And. Sukk.* 24(6): 121–123. 1973 syn. sec. Taylor & Zappi (2004)
- Consolea* Lem. in *Rev. Hort. (Paris)* 1862: 174. 1862. Sec. Majure & al. (2021)**
- Type: *Consolea spinosissima* (Mill.) Lem.
- Notes. – **Phylogenetics:** Plastid and nuclear ITS data so far provided inconclusive results for the placement of *Consolea* and its separation from *Opuntia*. *Consolea* was found to be imbedded in *Opuntia* by Griffith & Porter (2009) based on combined nuclear and plastid data. The plastid and nuclear data of Majure & al. (2012) supported the monophyly but were incongruent regarding the placement of *Consolea*: while plastid data resolved *Consolea* outside of *Opuntia* (BS=53%), nuclear ITS data resolve *Consolea* within *Opuntia* (BS=75%), yet both these placements receive only weak support. Support for a placement outside of *Opuntia* increased to 81% BS when only diploids were included in a combined nuclear and plastid analysis. Majure & al. (2012) pointed out that evolution in *Opuntia* and allies involves hybridization and allopolyploidization and that *Consolea* might be of allopolyploid origin, as indicated by the incongruent plastid and nuclear trees. Nevertheless, Majure & al. (2012) and Majure & Puente (2014) argue for recognizing *Consolea* as a genus distinct from *Opuntia* because of good support for its monophyly, the placement by combined plastid and nuclear data outside of *Opuntia* and unique morphological characteristics. More recent topologies based on phylogenomic datasets and broader taxon sampling resolve *Consolea* as sister to the rest of Opuntieae (Köhler & al. 2020, Majure & al. in revision). Majure & al. (in revision) used plastome data to reveal species relationships in the clade. Barrios & al. (2019) and Majure & Clase (2018) provided updated distribution information for the species on Cuba and Hispaniola. [Majure (2021)]
- Consolea falcata* (Ekman & Werderm.) F.M.Knuth, *Kaktus-ABC*: 146. 1936 ["1935"]. Sec. Majure & al. (2021)**
- ≡ *Opuntia falcata* Ekman & Werderm. in *Repert. Spec. Nov. Regni Veg.* 29: 228. 1931
- Consolea macracantha* (Griseb.) A.Berger, *Entwicklungslin. Kakt.*: 94. 1926. Sec. Majure & al. (2021)**
- ≡ *Opuntia macracantha* Griseb., *Cat. Pl. Cub.*: 116. 1866 syn. sec. Hunt (2016)
- = *Opuntia macracantha* Gibbes in *Proc. Elliott Soc. Nat. Hist. Charleston* 1: 273. 1859 syn. sec. Kew WCVP (2019)
- = *Consolea millspaughii* subsp. *caymanensis* Areces in *Brittonia* 53: 100. 2001 syn. sec. Kew WCVP (2019)
- Consolea microcarpa* E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71: 324. 1999. Sec. Majure & al. (2021)**
- = *Opuntia picardae* Urb. in *Repert. Spec. Nov. Regni Veg.* 16: 35. 1919 syn. sec. Majure & Clase (2018) ≡ *Consolea picardae* (Urb.) Areces in *Cact. Succ. J. (Los Angeles)* 72: 42. 2000 syn. sec. Majure & Clase (2018)
- Consolea millspaughii* (Britton) A.Berger, *Entwicklungslin. Kakt.*: 94. 1926. Sec. Majure & al. (2021)**
- ≡ *Opuntia millspaughii* Britton in *Smithsonian Misc. Collect.* 50: 513. 1908 syn. sec. Barrios & al. (2019) ≡ *Consolea spinosissima* subsp. *millspaughii* (Britton) Guiggi in *Cactology* 1: 23. 2007
- Consolea millspaughii* subsp. *corallicola* (Small) Majure in *Willdenowia* 51: 264. 2021. Sec. Majure (2021)**
- ≡ *Consolea corallicola* Small in *Addisonia* 15: 25. 1930 syn. sec. Majure (2021) ≡ *Opuntia corallicola* (Small) Werderm. in *Backeberg, Neue Kakteen*: 66. 1931 syn. sec. Majure (2021) ≡ *Consolea spinosissima* subsp. *corallicola* (Small) Guiggi in *Cactology* 3: 18. 2012 syn. sec. Majure (2021)
- Consolea millspaughii* subsp. *millspaughii*.** Sec. Majure (2021)

***Consolea moniliformis* (L.) A.Berger, Entwicklungslin. Kakt.: 94. 1926.** Sec. Majure & al. (2021)

- ≡ *Cactus moniliformis* L., Sp. Pl.: 468. 1753 syn. sec. Hunt (2016) ≡ *Cereus moniliformis* (L.) DC. in Mém. Mus. Hist. Nat. 17: 60. 1828 syn. sec. Kew WCVP (2019) ≡ *Opuntia moniliformis* (L.) Haw. ex Steud., Nomencl. Bot., ed. 2, 2(2-5): 221. 1841 syn. sec. Hunt (2016) ≡ *Nopalea moniliformis* (L.) K.Schum., Gesamtbeschr. Kakt.: 750. 1898 syn. sec. Kew WCVP (2019)
 = *Cactus ferox* Willd., Enum. Pl., Suppl.: 35. 1814 syn. sec. Hunt (2016) ≡ *Consolea ferox* (Willd.) Lem. in Rev. Hort. 34: 174. 1862 syn. sec. Kew WCVP (2019)
 = *Opuntia ferox* Haw., Suppl. Pl. Succ.: 82. 1819 syn. sec. Kew WCVP (2019)
 = *Opuntia dolabriformis* Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Kew WCVP (2019)
 = *Opuntia haitiensis* Britton in Smithsonian Misc. Collect. 50: 513. 1908 syn. sec. Kew WCVP (2019)

***Consolea moniliformis* subsp. *guantanamana* Areces in Brittonia 48: 225. 1996.** Sec. Barrios & al. (2019)

- ≡ *Opuntia moniliformis* f. *guantanamana* (Areces) Govaerts, World Checkl. Seed Pl. 3(1): 21. 1999 syn. sec. Kew WCVP (2019)

Consolea moniliformis* subsp. *moniliformis***Consolea nashii* (Britton) A.Berger, Entwicklungslin. Kakt.: 94. 1926.** Sec. Majure & al. (2021)

- ≡ *Opuntia nashii* Britton in Bull. New York Bot. Gard. 3: 446. 1905 syn. sec. Barrios & al. (2019) ≡ *Consolea macracantha* subsp. *nashii* (Britton) Guiggi in Cactology 1: 23. 2007 syn. sec. Barrios & al. (2019)

***Consolea nashii* subsp. *gibarensis* Areces in Brittonia 48: 231. 1996.** Sec. Barrios & al. (2019)

- ≡ *Opuntia nashii* subsp. *gibarensis* (Areces) Govaerts, World Checkl. Seed Pl. 3(1): 21. 1999 syn. sec. Barrios & al. (2019)

Consolea nashii* subsp. *nashii***Consolea rubescens* (Salm-Dyck ex DC.) Lem. in Rev. Hort. 34: 174. 1862.** Sec. Majure & al. (2021)

- ≡ *Opuntia rubescens* Salm-Dyck ex DC., Prodr. 3: 474. 1828 syn. sec. Hunt (2016) ≡ *Cactus rubescens* (Salm-Dyck ex DC.) Lem. in Rev. Hort. 1862: 174. 1862 syn. sec. Tropicos ≡ *Consolea moniliformis* subsp. *rubescens* (Salm-Dyck ex DC.) Guiggi in Cactology 1: 23. 2007
 = *Opuntia catocantha* Pfeiff., Enum. Diagn. Cact.: 166. 1837 syn. sec. Hunt (2016) ≡ *Consolea catacantha* (Link & Otto) Lem. in Rev. Hort. 34: 174. 1862 syn. sec. Hunt (2016)
 = *Opuntia guanicana* Gürke in Monatsschr. Kakteenk. 18: 180. 1908 syn. sec. Britton & Rose (1919) ≡ *Consolea guanicana* (K.Schum. ex Gürke) F.M.Knuth, Kaktus-ABC: 146. 1936 ["1935"] syn. sec. Kew WCVP (2019)

***Consolea spinosissima* (Mill.) Lem., Rev. Hort.: 174. 1862.** Sec. Majure & al. (2021)

- ≡ *Opuntia spinosissima* Mill., Gard. Dict., ed. 8: Opuntia No. 88. 1768 syn. sec. Hunt (2016)
 = *Cactus spinosissimus* Martyn, Cat. Hort. Bot. Cantabrig.: 88. 1771 syn. sec. Kew WCVP (2019)
 = *Opuntia cruciata* Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Kew WCVP (2019)

***Consolea testudinis-crus* (F.A.C.Weber) Mottram & Hoxey in The Cactician 13: 73. 2020.** Sec. Mottram & Hoxey (2020)

- ≡ *Opuntia testudinis-crus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 389. 1904 syn. sec. Mottram & Hoxey (2020)

***Copiapoa* Britton & Rose, Cactaceae 3: 85. 1922.** Sec. Larridon & al. (2015)

Type: *Copiapoa marginata* (Salm-Dyck) Britton & Rose

= *Pilocopiapoa* F.Ritter in Kakteen And. Sukk. 12: 20. 1961 syn. sec. Hunt (2016). Type: *Pilocopiapoa solaris* F.Ritter

Notes. – **Phylogenetics:** Larridon & al. (2015) have conducted the first molecular phylogenetic study of *Copiapoa*, using sequences from the three plastid DNA markers *rpl32-trnL*, *trnH-psbA*, and *ycf1*. They have additionally modeled the species distributions based on geo-referenced localities and climatic data and analysed the evolution of selected morphological characters. *Copiapoa* was maximally supported as monophyletic. The subclades that were resolved and received good statistical support did not fit to previously suggested subgeneric classifications, therefore the authors have provided a new subgeneric classification with four sections and two subsections based on their results. The data also allowed to define 32 species and 5 subspecies, though not all relations between the species could be resolved. The recovered relationships were often supported by morphological characters and distribution patterns. Larridon & al. (2018) conducted a population genetic study and modeled the species distributions. [Guerrero (2021)]

Copiapoa angustiflora* Helmut Walter, G.J.Charles & Mächler in Cact. World 24: 188. 2006.** Sec. Larridon & al. (2015)Copiapoa aphanes* Mächler & Helmut Walter in Kakteen And. Sukk. 56: 101. 2005.** Sec. Larridon & al. (2015)***Copiapoa armata* (F.Ritter) Helmut Walter & Larridon in Am. J. Bot. 102(9): 1517. 2015.** Sec. Larridon & al. (2015)

- ≡ *Copiapoa coquimbana* var. *armata* F.Ritter, Kakteen Südamerika 3: 1075. 1980 syn. sec. Larridon & al. (2015)

***Copiapoa atacamensis* Middled. in The Chileans 11(37): 21. 1980.** Sec. Larridon & al. (2015)

- ≡ *Copiapoa calderana* subsp. *atacamensis* (Middled.) Doweld in Sukkulenty 4: 55. 2001 ["2002"] syn. sec. Larridon & al. (2015)
 ≡ *Copiapoa calderana* subsp. *atacamensis* (Middled.) D.R.Hunt in Cactaceae Syst. Init. 13: 12. 2002 syn. sec. Larridon & al. (2015)

= *Echinocactus bolivianus* Pfeiff., Abbild. Beschr. Cact. 2: t. 14. 1846 syn. sec. Hunt (2016) ≡ *Copiapoa boliviana* (Pfeiff.) F.Ritter, Kakteen Südamerika 3: 1089. 1980 syn. sec. Hunt (2016)

***Copiapoa australis* (Hoxey) Helmut Walter & Larridon in Am. J. Bot. 102(9): 1516. 2015.** Sec. Larridon & al. (2015)

- ≡ *Copiapoa humilis* subsp. *australis* Hoxey in Brit. Cact. Succ. J. 22: 39. 2004 syn. sec. Larridon & al. (2015)

***Copiapoa calderana* F.Ritter in *Cactus* 65: 197. 1959.** Sec. Larridon & al. (2015)

≡ *Copiapoa atacamensis* var. *calderiana* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 98. 1989, nom. illeg. syn. sec. Kew WCVP (2019)

= *Copiapoa lembckeii* Backeb., *Cactaceae* 3: 1922. 1959, nom. illeg. syn. sec. Zuloaga & al. (2008)

– *Copiapoa calderiana* var. *spinosior* F.Ritter, *Kakteen Südamerika* 3: 1082. 1980, nom. inval. syn. sec. Kew WCVP (2019)

***Copiapoa cinerascens* (Salm-Dyck) Britton & Rose, *Cactaceae* 3: 88. 1922.** Sec. Larridon & al. (2015)

≡ *Echinocactus cinerascens* Salm-Dyck in *Allg. Gartenzeitung* 13: 387. 1845 syn. sec. Hunt (2016)

= *Echinocactus ambiguus* Hildm. ex K.Schum., *Gesamtbeschr. Kakt.*: 311. 1898 ≡ *Chilenia ambigua* (Hildm. ex K.Schum.) Backeb. in *Kakteenkunde* 1939: 82. 1939 ≡ *Weingartia ambigua* (Hildm. ex K.Schum.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 86. 1951 ≡ *Neoporteria ambigua* (Hildm. ex K.Schum.) Backeb., *Kaktus-ABC*: 259. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Hildmannia ambigua* (Hildm. ex K.Schum.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206.

1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia ambigua* (Hildm. ex K.Schum.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 276. 1957 syn. sec. Kew WCVP (2019)

= *Copiapoa applanata* Backeb., *Cactaceae* 3: 1913. 1959 syn. sec. Hunt (2016)

= *Copiapoa cinerascens* var. *intermedia* F.Ritter, *Kakteen Südamerika* 3: 1084. 1980 syn. sec. Kew WCVP (2019)

= *Echinocactus copiapensis* Pfeiff., *Abbild. Beschr. Cact.* 2: t. 14. 1846 syn. sec. Tropicos – *Copiapoa copiapensis* (Pfeiff.) Meregalli in *Piante Grasse* 11(4): 22. 1992 ["1991"], nom. inval. syn. sec. Larridon & al. (2015)

***Copiapoa cinerea* (Phil.) Britton & Rose, *Cactaceae* 3: 86, f. 98. 1922.** Sec. Larridon & al. (2018)

≡ *Echinocactus cinereus* Phil., *Fl. Atacam.*: 23. 1860 syn. sec. Larridon & al. (2018) ≡ *Copiapoa cinerea* var. *cinerea*

= *Copiapoa cinerea* var. *albispina* F.Ritter in *Taxon* 12: 30. 1963 syn. sec. Larridon & al. (2018)

Copiapoa cinerea* subsp. *cinerea*.** Sec. Larridon & al. (2018)Copiapoa cinerea* subsp. *columna-alba* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 13: 13. 2002.** Sec. Larridon & al. (2018)

≡ *Copiapoa columna-alba* F.Ritter in *Cactus* 65: 199. 1959 ≡ *Copiapoa cinerea* var. *columna-alba* (F.Ritter) Backeb., *Cactaceae* 6: 3820. 1962 ≡ *Copiapoa cinerea* subsp. *columna-alba* (F.Ritter) Doweld in *Sukkulenty* 4(1-2): 48. 2002 ["2001"]

= *Copiapoa columna-alba* var. *nuda* F.Ritter, *Kakteen Südamerika* 3: 1095. 1980 syn. sec. Larridon & al. (2018)

= *Copiapoa melanohystrix* F.Ritter, *Kakteen Südamerika* 3: 1096. 1980 syn. sec. Larridon & al. (2018)

***Copiapoa cinerea* subsp. *krainziana* (F.Ritter) Slaba in *Kaktusy (Brno)* 33 (Spec.): 3. 1997.** Sec. Larridon & al. (2018)

≡ *Copiapoa krainziana* F.Ritter in *Taxon* 12: 30. 1963 syn. sec. Larridon & al. (2015) ≡ *Copiapoa cinerea* var. *krainziana* (F.Ritter) G.J.Charles in *Brit. Cact. Succ. J.* 16: 15. 1998

= *Copiapoa krainziana* var. *scopulina* F.Ritter in *Taxon* 12: 31. 1963 syn. sec. Larridon & al. (2018)

***Copiapoa conglomerata* (Phil.) Lembcke in *Kakteen And. Sukk.* 17: 29. 1966.** Sec. Larridon & al. (2015)

≡ *Echinocactus conglomeratus* Phil., *Fl. Atacam.*: 23. 1860

= *Copiapoa ahremephiana* N.P.Taylor & G.J.Charles in *Cactaceae Syst. Init.* 13: 15. 2002 syn. sec. Larridon & al. (2015)

***Copiapoa coquimbana* (Karw. ex Rümpler) Britton & Rose, *Cactaceae* 3: 87, pl. 10, f. 2. 1922.** Sec. Hunt (2016)

≡ *Echinocactus coquimbanus* Karw. ex Rümpler, *Handb. Cacteenk.*, ed. 2: 601. 1885 syn. sec. Hunt (2016) ≡ *Copiapoa coquimbana* var. *coquimbana*

= *Cereus pepinianus* Lem. ex Salm-Dyck in *Allg. Gartenzeitung* 13: 354. 1845 syn. sec. Kew WCVP (2019) ≡ *Copiapoa pepiniana* (Lem. ex Salm-Dyck) Backeb., *Kaktus-ABC*: 281. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria pepiniana* (Lem. ex Salm-Dyck) Borg, *Cacti*, ed. 1: 215. 1937 syn. sec. Larridon & al. (2015)

= *Copiapoa pendulina* F.Ritter in *Cactus (Paris)* 63: 134. 1959 syn. sec. Hunt (2016) ≡ *Copiapoa coquimbana* var. *pendulina* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 108. 1989 syn. sec. Tropicos ≡ *Copiapoa coquimbana* subsp. *pendulina* (F.Ritter) Doweld in *Sukkulenty* 4: 55. 2002 ["2001"] syn. sec. Tropicos

= *Copiapoa alticostata* F.Ritter in *Taxon* 12: 29. 1963 syn. sec. Hunt (2016) ≡ *Copiapoa coquimbana* var. *alticostata* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 108. 1989 syn. sec. Kew WCVP (2019)

= *Copiapoa coquimbana* var. *wagenknechtii* F.Ritter in *Taxon* 12: 30. 1963 syn. sec. Tropicos ≡ *Copiapoa neocoquimbana* var. *wagenknechtii* (F.Ritter) Y.Itô, *Cactaceae*: 369. 1981 syn. sec. Tropicos – *Copiapoa wagenknechtii* H.Winter ex F.Ritter in *Taxon* 12: 30. 1963, nom. inval. syn. sec. Hunt (2016)

= *Copiapoa pseudocoquimbana* F.Ritter in *Taxon* 12: 30. 1963 syn. sec. Hunt (2016) ≡ *Copiapoa coquimbana* var.

pseudocoquimbana (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 108. 1989 syn. sec. Tropicos ≡ *Copiapoa coquimbana* subsp. *pseudocoquimbana* (F.Ritter) Doweld in *Sukkulenty* 4: 55. 2002 ["2001"] syn. sec. Korotkova (2021)

= *Copiapoa pseudocoquimbana* var. *vulgata* F.Ritter in *Taxon* 12: 30. 1963 syn. sec. Tropicos

= *Copiapoa serenana* Voldan in *Kakteen And. Sukk.* 27: 185. 1976 syn. sec. Hunt (2016)

= *Copiapoa pseudocoquimbana* var. *chaniarensis* F.Ritter, *Kakteen Südamerika* 3: 1077. 1980 syn. sec. Kew WCVP (2019)

= *Copiapoa pseudocoquimbana* var. *domeykoensis* F.Ritter, *Kakteen Südamerika* 3: 1077. 1980 syn. sec. Kew WCVP (2019)

= *Copiapoa vallenarensis* F.Ritter, *Kakteen Südamerika* 3: 1077. 1980 syn. sec. Hunt (2016) ≡ *Copiapoa coquimbana* var. *vallenarensis* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 108. 1989 ≡ *Copiapoa coquimbana* subsp. *vallenarensis* (F.Ritter) Doweld in *Sukkulenty* 4: 55. 2002 ["2001"]

= *Copiapoa neocoquimbana* Y.Itô, *Cactaceae*: 368. 1981 syn. sec. WFO 2019

= *Copiapoa coquimbana* subsp. *andina* I.Schaub & Keim in *Cactus & Co.* 13: 13. 2009 syn. sec. Kew WCVP (2019)

= *Copiapoa schulziana* I.Schaub & Keim in *Cactus & Co.* 13: 18. 2009 syn. sec. Hunt (2016)

= *Copiapoa sarcoana* I.Schaub & Keim in *Cactus & Co.* 16: 6. 2012 syn. sec. Kew WCVP (2019)

Copiapoa coquimbana* subsp. *coquimbana

- Copiapoa coquimbana* subsp. *rubispina* Piombetti in *Xerophilia* 4(3): 76. 2015. Sec. Kew WCV (2019)**
- Copiapoa corralensis* I.Schaub & Keim in *Cact. Explor.* 16: 48. 2016. Sec. Kew WCV (2019)**
- Copiapoa dealbata* F.Ritter in *Cactus* 63: 137. 1959. Sec. Larridon & al. (2015)**
- ≡ *Copiapoa cinerea* var. *dealbata* (F.Ritter) Backeb., *Cactaceae* 6: 3823. 1962 syn. sec. Hunt (2016) ≡ *Copiapoa cinerea* subsp. *dealbata* (F.Ritter) Slaba in *Kaktusy* (Brno) 33 (Spec.): 3. 1997 syn. sec. Hunt (2016)
- = *Echinocactus malletianus* Lem. ex Salm-Dyck in *Allg. Gartenzeitung* 13: 387. 1845 syn. sec. Kew WCV (2019)
- = *Copiapoa carrizalensis* F.Ritter in *Cactus* (Paris) 63: 139. 1959 syn. sec. Hunt (2016) ≡ *Copiapoa dealbata* var. *carrizalensis* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 112. 1989 syn. sec. Kew WCV (2019)
- = *Copiapoa carrizalensis* var. *gigantea* F.Ritter in *Taxon* 12: 29. 1963 syn. sec. Tropicos ≡ *Copiapoa dealbata* f. *gigantea* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 112. 1989 syn. sec. Kew WCV (2019)
- Copiapoa decorticans* N.P.Taylor & G.J.Charles in *Cactaceae Syst. Init.* 13: 15. 2002. Sec. Larridon & al. (2015)**
- Copiapoa desertorum* F.Ritter, *Kakteen Südamerika* 3: 1060. 1980. Sec. Larridon & al. (2015)**
- ≡ *Copiapoa rupestris* subsp. *desertorum* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 13: 15. 2002 syn. sec. Tropicos ≡ *Copiapoa taltalensis* subsp. *desertorum* (F.Ritter) G.J.Charles, *Cact. Fl. Silv. Chile*, ed. 2: 164. 2004 syn. sec. Larridon & al. (2015)
- Copiapoa echinoides* (Lem. ex Salm-Dyck) Britton & Rose, *Cactaceae* 3: 88–89, f. 100. 1922. Sec. Larridon & al. (2015)**
- ≡ *Echinocactus echinoides* Lem. ex Salm-Dyck in *Allg. Gartenzeitung* 13: 386. 1845 syn. sec. Hunt (2016)
- = *Echinocactus bridgesii* Pfeiff., *Abbild. Beschr. Cact.* 2: t. 14. 1846 syn. sec. Hunt (2016) ≡ *Copiapoa bridgesii* (Pfeiff.) Backeb., *Cactaceae* 3: 1909. 1959 syn. sec. Hunt (2016) ≡ *Copiapoa marginata* var. *bridgesii* (Pfeiff.) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 124. 1989 syn. sec. Hunt (2016)
- = *Echinocactus salm-dyckianus* Pfeiff., *Abbild. Beschr. Cact.* 2: t. 14. 1846 syn. sec. Kew WCV (2019)
- = *Echinocactus cupreatus* Poselg. ex Rümpler, *Handb. Cacteenk.*, ed. 2, 2(16): 602. 1886 syn. sec. Kew WCV (2019) ≡ *Hildmannia cupreata* (Poselg. ex Rümpler) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206. 1941 syn. sec. Kew WCV (2019) ≡ *Copiapoa cupreata* (Poselg. ex Rümpler) Backeb., *Cactaceae* 3: 1920. 1959 syn. sec. Kew WCV (2019) ≡ *Neoportheria tuberisulcata* var. *cupreata* (Poselg. ex Rümpler) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966 syn. sec. Kew WCV (2019)
- = *Copiapoa cuprea* F.Ritter in *Cactus* (Paris) 63: 136. 1959 syn. sec. Hunt (2016) ≡ *Copiapoa echinoides* var. *cuprea* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 116. 1989 syn. sec. Tropicos
- = *Copiapoa dura* F.Ritter in *Taxon* 12: 31. 1963 syn. sec. Hunt (2016)
- = *Copiapoa griseoviolacea* I.Schaub & Keim in *Cactus & Co.* 14(10): 10. 2011 syn. sec. Hunt (2016)
- Copiapoa esmeraldana* F.Ritter, *Kakteen Südamerika* 3: 1064. 1980. Sec. Larridon & al. (2015)**
- ≡ *Copiapoa humilis* var. *esmeraldana* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 118. 1989 syn. sec. Kew WCV (2019)
- = *Copiapoa grandiflora* subsp. *ritteri* Doweld in *Sukkulenty* 4: 55. 2002 syn. sec. Kew WCV (2019)
- Copiapoa fiedleriana* (K.Schum.) Backeb., *Kaktus-ABC*: 280. 1936 ["1935"]. Sec. Larridon & al. (2015)**
- ≡ *Echinocactus fiedlerianus* K.Schum., *Gesamtbeschr. Kakt.*, *Nachtr.* 1: 121. 1903 syn. sec. Hunt (2016) ≡ *Copiapoa pepiniana* var. *fiedleriana* (K.Schum.) Backeb., *Cactaceae* 3: 1919. 1959 syn. sec. Kew WCV (2019) ≡ *Copiapoa coquimbana* var. *fiedleriana* (K.Schum.) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 108. 1989
- = *Copiapoa echinata* F.Ritter in *Cactus* (Paris) 63: 123. 1959 syn. sec. Hunt (2016) ≡ *Copiapoa megarhiza* var. *echinata* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 126. 1989 syn. sec. Hunt (2016) ≡ *Copiapoa megarhiza* subsp. *echinata* (F.Ritter) Doweld in *Sukkulenty* 4(1-2): 55. 2002 ["2001"] syn. sec. Hunt (2016) ≡ *Copiapoa megarhiza* subsp. *echinata* (F.Ritter) G.J.Charles in *Cactaceae Syst. Init.* 21: 11. 2006 syn. sec. Hunt (2016)
- = *Copiapoa totoralensis* F.Ritter in *Cactus* (Paris) 66: 23. 1960 syn. sec. Hunt (2016)
- = *Copiapoa echinata* f. *pulla* F.Ritter, *Kakteen Südamerika* 3: 1081. 1980 syn. sec. Korotkova (2021)
- = *Copiapoa echinata* var. *pulla* F.Ritter, *Kakteen Südamerika* 3: 1081. 1980 syn. sec. IPNI: 6 sept 2020
- = *Copiapoa echinata* var. *borealis* F.Ritter syn. sec. WFO 2019
- = *Copiapoa intermedia* F.Ritter syn. sec. Hunt (2016)
- Copiapoa fusca* I.Schaub & Keim in *Cact. Explor.* 16: 42. 2016. Sec. Kew WCV (2019)**
- Copiapoa gigantea* Backeb. in *Jahrb. Deutsch. Kakteen-Ges.* 1: 104. 1936. Sec. Larridon & al. (2015)**
- ≡ *Copiapoa cinerea* var. *gigantea* (Backeb.) N.P.Taylor in *Bradleya* 5: 92. 1987 syn. sec. Hunt (2016) ≡ *Copiapoa cinerea* subsp. *gigantea* (Backeb.) Slaba in *Kaktusy* (Brno) 33 (Spec.): 3. 1997 syn. sec. Hunt (2016)
- = *Copiapoa haseltoniana* Backeb., *Descr. Cact. Nov.* 3: 33. 1963 syn. sec. Larridon & al. (2018) ≡ *Copiapoa gigantea* var. *haseltoniana* (Backeb.) F.Ritter, *Kakteen Südamerika* 3: 1101. 1980 ≡ *Copiapoa cinerea* var. *haseltoniana* (Backeb.) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 43: 53. 1981 ≡ *Copiapoa cinerea* subsp. *haseltoniana* (Backeb.) N.P.Taylor in *Cactaceae Consensus Init.* 3: 8. 1997 ≡ *Copiapoa gigantea* subsp. *haseltoniana* (Backeb.) Doweld in *Sukkulenty* 4: 49. 2002 ["2001"]
- = *Copiapoa eremophila* F.Ritter, *Kakteen Südamerika* 3: 1104. 1980 syn. sec. Larridon & al. (2018) ≡ *Copiapoa cinerea* var. *eremophila* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 106. 1989 syn. sec. Tropicos ≡ *Copiapoa cinerea* subsp. *eremophila* (F.Ritter) Doweld in *Sukkulenty* 4: 49. 2002 ["2001"] syn. sec. Tropicos
- = *Copiapoa tenebrosa* F.Ritter, *Kakteen Südamerika* 3: 1098. 1980 syn. sec. Larridon & al. (2018) ≡ *Copiapoa cinerea* var. *tenebrosa* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 106. 1989 syn. sec. Larridon & al. (2015)
- Copiapoa grandiflora* F.Ritter in *Taxon* 12: 30. 1963. Sec. Larridon & al. (2015)**
- ≡ *Copiapoa cinerascens* var. *grandiflora* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 100. 1989 syn. sec. Hunt (2016) ≡ *Copiapoa montana* subsp. *grandiflora* (F.Ritter) N.P.Taylor in *Cactaceae Consensus Init.* 3: 8. 1997 syn. sec. Hunt (2016)

- = *Copiapoa superba* I.Schaub & Keim in *Cactus & Co.* 16: 18. 2012 syn. sec. Kew WCV (2019)
- Copiapoa humilis* (Phil.) Hutch. in *Cact. Succ. J. (Los Angeles)* 25: 34. 1953.** Sec. Larridon & al. (2015)
- ≡ *Echinocactus humilis* Phil., *Fl. Atacam.*: 23. 1860 syn. sec. Hunt (2016)
- = *Echinocactus humilis* Rümpler, *Handb. Cacteenk.*, ed. 2: 471. 1885 syn. sec. Kew WCV (2019)
- = *Copiapoa chaniaralensis* F.Ritter, *Kakteen Südamerika* 3: 1063. 1980 syn. sec. Hunt (2016)
- = *Copiapoa humilis* var. *paposoensis* A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 118. 1989 syn. sec. Kew WCV (2019)
- Copiapoa humilis* subsp. *humilis*.** Sec. Larridon & al. (2015)
- Copiapoa humilis* subsp. *matancillensis* I.Schaub & Keim in *Cactus & Co.* 20(1): 15. 2016.** Sec. Kew WCV (2019)
- Copiapoa humilis* subsp. *tenuissima* (F.Ritter ex D.R.Hunt) D.R.Hunt in *Cactaceae Syst. Init.* 16: 6. 2003.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa hypogaea* subsp. *tenuissima* F.Ritter ex D.R.Hunt in *Cactaceae Syst. Init.* 13: 14. 2002 syn. sec. Hunt (2016) – *Copiapoa tenuissima* F.Ritter in *Taxon* 12: 31. 1963, nom. inval. syn. sec. Hunt (2016) – *Copiapoa humilis* var. *tenuissima* (F.Ritter) G.J.Charles in *Brit. Cact. Succ. J.* 16: 15. 1998, nom. inval.
- Copiapoa humilis* subsp. *tocopillana* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 13: 14. 2002.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa tocopillana* F.Ritter, *Kakteen Südamerika* 3: 1072. 1980 syn. sec. Hunt (2016) ≡ *Copiapoa humilis* var. *tocopillana* (F.Ritter) G.J.Charles in *Brit. Cact. Succ. J.* 16: 15. 1998 syn. sec. Kew WCV (2019) ≡ *Copiapoa humilis* subsp. *tocopillana* (F.Ritter) Doweld in *Sukkulenty* 4(1-2): 49. 2002 ["2001"] syn. sec. Hunt (2016)
- Copiapoa humilis* subsp. *variispinata* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 13: 14. 2002.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa variispinata* F.Ritter, *Kakteen Südamerika* 3: 1070. 1980 syn. sec. Hunt (2016) ≡ *Copiapoa humilis* var. *variispinata* (F.Ritter) G.Charles, *Cactus File Handb.* 4: 48. 1998
- = *Copiapoa paposoensis* F.Ritter, *Kakteen Südamerika* 3: 1068. 1980 syn. sec. Hunt (2016)
- Copiapoa hypogaea* F.Ritter in *Cactus (Paris)* 66: 19. 1960.** Sec. Larridon & al. (2015)
- ≡ *Pilocopiapoa hypogaea* (F.Ritter) Y.Itô, *Cactaceae*: 650. 1981 syn. sec. Korotkova (2021)
- = *Copiapoa hypogaea* var. *barquitenis* F.Ritter, *Kakteen Südamerika* 3: 1086. 1980 syn. sec. Kew WCV (2019)
- Copiapoa hypogaea* subsp. *cobrensis* Doweld in *Sukkulenty* 4: 49. 2002 ["2001"].** Sec. Kew WCV (2019)
- Copiapoa hypogaea* subsp. *hypogaea***
- Copiapoa laui* Diers in *Kakteen And. Sukk.* 31: 365. 1980.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa hypogaea* var. *laui* (Diers) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 120. 1989 syn. sec. Larridon & al. (2015) ≡ *Copiapoa hypogaea* subsp. *laui* (Diers) G.J.Charles in *Cactaceae Syst. Init.* 21: 10. 2006 syn. sec. Larridon & al. (2015)
- Copiapoa leonensis* I.Schaub & Keim in *Cactus & Co.* 10: 124. 2006.** Sec. Larridon & al. (2015)
- = *Copiapoa megarhiza* subsp. *parvula* Mächler & Helmut Walter in *Kakteen And. Sukk.* 56: 297. 2005 syn. sec. Kew WCV (2019)
- Copiapoa longispina* F.Ritter in *Taxon* 12: 31. 1963.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa humilis* var. *longispina* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 118. 1989 syn. sec. Larridon & al. (2015) ≡ *Copiapoa humilis* subsp. *longispina* (F.Ritter) Doweld in *Sukkulenty* 4: 49. 2002 ["2001"] syn. sec. Larridon & al. (2015)
- Copiapoa longistaminea* F.Ritter in *Taxon* 12: 31. 1963.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa cinerea* var. *longistaminea* (F.Ritter) Slaba in *Kaktusy (Brno)* 33 (Spec.): 3. 1997 syn. sec. Hunt (2016) ≡ *Copiapoa calderana* subsp. *longistaminea* (F.Ritter) N.P.Taylor in *Cactaceae Consensus Init.* 6: 15. 1998 syn. sec. Hunt (2016)
- Copiapoa longistaminea* subsp. *imperialis* Piombetti in *Xerophilia* 4(3): 78. 2015.** Sec. Kew WCV (2019)
- Copiapoa longistaminea* subsp. *longistaminea***
- Copiapoa marginata* (Salm-Dyck) Britton & Rose, *Cactaceae* 3: 86–87, f. 99. 1922.** Sec. Larridon & al. (2015)
- ≡ *Echinocactus marginatus* Salm-Dyck in *Allg. Gartenzeitung* 13: 386. 1845 syn. sec. Hunt (2016)
- = *Echinocactus columnaris* Pfeiff., *Abbild. Beschr. Cact.* 2: t. 14. 1846 syn. sec. Kew WCV (2019)
- = *Echinocactus streptocaulon* Hook. in *Bot. Mag.* 77: t. 4562. 1851 syn. sec. Kew WCV (2019) ≡ *Copiapoa streptocaulon* (Hook.) Oosten in *Succulenta (Netherlands)* 22: 16. 1940 syn. sec. Kew WCV (2019)
- = *Echinocactus melanochnus* J.F.Cels ex Labour., *Monogr. Cact.*: 174. 1853 syn. sec. Kew WCV (2019)
- Copiapoa marginata* subsp. *marginata***
- Copiapoa marginata* subsp. *robustispina* Doweld in *Sukkulenty* 4: 49. 2002 ["2001"].** Sec. Kew WCV (2019)
- Copiapoa megarhiza* Britton & Rose, *Cactaceae* 3: 89. 1922.** Sec. Larridon & al. (2015)
- = *Copiapoa megarhiza* var. *microrhiza* F.Ritter, *Kakteen Südamerika* 3: 1081. 1980 syn. sec. Kew WCV (2019)
- *Copiapoa algarrobensis* Katt. in *Cact. Succ. J. (Los Angeles)* 90: 103. 2018, nom. inval. syn. sec. Guerrero (2021)
- Copiapoa mollicula* F.Ritter in *Taxon* 12: 30. 1963.** Sec. Larridon & al. (2015)
- Copiapoa montana* F.Ritter in *Cactus (Paris)* 66: 21. 1960.** Sec. Larridon & al. (2015)
- ≡ *Copiapoa hypogaea* var. *montana* (F.Ritter) G.J.Charles in *Brit. Cact. Succ. J.* 16: 15. 1998 syn. sec. Kew WCV (2019) ≡ *Copiapoa montana* F.Ritter ex Doweld in *Sukkulenty* 4(1-2): 49. 2002 ["2001"] syn. sec. Hunt (2016)
- = *Copiapoa olivana* F.Ritter, *Kakteen Südamerika* 3: 1088. 1980 syn. sec. Hunt (2016) ≡ *Copiapoa montana* subsp. *olivana* (F.Ritter) Doweld in *Sukkulenty* 4: 49. 2002 syn. sec. Kew WCV (2019)
- = *Copiapoa rarissima* F.Ritter, *Kakteen Südamerika* 3: 1088. 1980 syn. sec. Hunt (2016)

***Copiapoa rupestris* F.Ritter in Taxon 12: 31. 1963.** Sec. Larridon & al. (2015)

≡ *Copiapoa desertorum* var. *rupestris* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 114. 1989 syn. sec. Tropicos

Copiapoa* ×*scopa* Doweld in Sukkulenty 4: 49. 2002 ["2001"]**Copiapoa serpentisulcata* F.Ritter in Cactus (Paris) 66: 22. 1960.** Sec. Larridon & al. (2015)

≡ *Copiapoa serpentisulcata* var. *serpentisulcata*

= *Copiapoa serpentisulcata* var. *castanea* F.Ritter, Kakteen Südamerika 3: 1093. 1980 syn. sec. Kew WCVP (2019)

***Copiapoa solaris* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1047. 1980.** Sec. Larridon & al. (2015)

≡ *Pilocopiapoa solaris* F.Ritter in Kakteen And. Sukk. 12: 20. 1961 syn. sec. Larridon & al. (2015)

= *Copiapoa ferox* Lembecke & Backeb. in Backeberg, Cactaceae 3: 1922. 1959 syn. sec. Tropicos

***Copiapoa taltalensis* (Werderm.) Looser in Revista Chilena Hist. Nat. 33: 614. 1929.** Sec. Larridon & al. (2015)

≡ *Echinocactus taltalensis* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 10(97): 763. 1929 syn. sec. Hunt (2016) ≡ *Copiapoa humilis* var. *taltalensis* (Werderm.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 118. 1989 syn. sec. Larridon & al. (2015) ≡

Copiapoa humilis subsp. *taltalensis* (Werderm.) Doweld in Sukkulenty 4: 49. 2002 ≡ *Copiapoa taltalensis* subsp. *taltalensis* syn. sec. Larridon & al. (2015)

= *Copiapoa rubriflora* F.Ritter in Taxon 12: 31. 1963 syn. sec. Hunt (2016) ≡ *Copiapoa desertorum* var. *rubriflora* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 114. 1989 ≡ *Copiapoa rupestris* subsp. *rubriflora* (F.Ritter) Doweld in Sukkulenty 4: 55. 2002 ["2001"]

= *Copiapoa hornilloensis* F.Ritter, Kakteen Südamerika 3: 1060. 1980 syn. sec. Hunt (2016) ≡ *Copiapoa desertorum* var. *hornilloensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 114. 1989 ≡ *Copiapoa rupestris* subsp. *hornilloensis* (F.Ritter) Doweld in Sukkulenty 4: 55. 2002 ["2001"]

Corryocactus Britton & Rose, Cactaceae 2: 66. 1920. Sec. Hunt (2006)

Type: *Corryocactus brevistylus* (K.Schum. ex Vaupel) Britton & Rose

= *Erdisia* Britton & Rose, Cactaceae 2: 104. 1920 syn. sec. Hunt (2006). Type: *Erdisia squarrosa* (Vaupel) Britton & Rose

= *Eulychnocactus* Backeb. in Möller's Deutsche Gärtn.-Zeitung 46: 207. 1931 syn. sec. Kew WCVP (2019)

= *Corryocereus* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 19. 1935, nom. illeg. syn. sec. Kew WCVP (2019)

***Corryocactus apiciflorus* (Vaupel) Hutchison in Sukkulentenkunde 7-8: 9. 1963.** Sec. Hunt (2006)

≡ *Cereus apiciflorus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 15–16. 1913 syn. sec. Hunt (2006) ≡ *Erdisia apiciflora* (Vaupel) Werderm. in Kakteenkunde 1940: 6. 1940 syn. sec. Tropicos

= *Erdisia tenuicula* Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Corryocactus tenuiculus* (Backeb.) Hutchison in Sukkulentenkunde 7-8: 9. 1963 syn. sec. Hunt (2006) ≡ *Erdisia tenuicula* Rauh & Backeb. in Sitzungsber.

Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 252. 1958 syn. sec. Kew WCVP (2019) [non *Erdisia tenuicula* Backeb.]

= *Erdisia fortalezensis* F.Ritter in Taxon 13: 116. 1964 syn. sec. Kew WCVP (2019)

= ?*Corryocactus brachycladus* F.Ritter, Kakteen Südamerika 4: 1289. 1981 syn. sec. Hunt (2006)

= *Corryocactus huincoensis* F.Ritter, Kakteen Südamerika 4: 1288. 1981 syn. sec. Hunt (2006)

= *Corryocactus matucanensis* F.Ritter, Kakteen Südamerika 4: 1287. 1981 syn. sec. Hunt (2006)

= ?*Corryocactus megarhizus* F.Ritter, Kakteen Südamerika 4: 1286. 1981 syn. sec. Hunt (2006)

= ?*Corryocactus melaleucus* F.Ritter, Kakteen Südamerika 4: 1289. 1981 syn. sec. Hunt (2006)

= *Corryocactus pilospinus* F.Ritter, Kakteen Südamerika 4: 1291. 1981 syn. sec. Hunt (2006)

= *Corryocactus solitarius* F.Ritter, Kakteen Südamerika 4: 1289. 1981 syn. sec. Hunt (2006)

= *Corryocactus erici-marae* Cieza in Cact.-Avent. Int. 95: 2. 2012 syn. sec. Kew WCVP (2019)

***Corryocactus aureus* (Meyen) Hutchison in Sukkulentenkunde 7-8: 9. 1963.** Sec. Hunt (2006)

≡ *Cactus aureus* Meyen, Reise Eur. As. Afr. 1: 447. 1834 syn. sec. Hunt (2006) ≡ *Cereus aureus* (Meyen) Meyen in Allg.

Gartenzeitung 1: 211. 1833 syn. sec. Tropicos ≡ *Echinocactus aureus* (Meyen) Pfeiff., Enum. Diagn. Cact.: 68. 1837 syn. sec.

Kew WCVP (2019) ≡ *Cereus aureus* (Meyen) K.Schum., Gesamtbeschr. Kakt.: 124. 1897 syn. sec. Tropicos ≡ *Cleistocactus aureus* (Meyen) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 11. 1904 syn. sec. Kew WCVP (2019)

= *Erdisia meyenii* Britton & Rose, Cactaceae 2: 105. 1920 syn. sec. Tropicos ≡ *Cereus meyenii* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 79. 1931 syn. sec. Kew WCVP (2019)

= *Corryocactus acervatus* F.Ritter, Kakteen Südamerika 4: 1287. 1981 syn. sec. Hunt (2006)

= *Corryocactus cuajonesensis* F.Ritter, Kakteen Südamerika 4: 1287. 1981 syn. sec. Hunt (2006)

***Corryocactus ayacuchoensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 246. 1958.** Sec. Hunt (2006)

= *Corryocactus ayacuchoensis* var. *leucacanthus* Rauh & Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Corryocactus brachypetalus* (Vaupel) Britton & Rose, Cactaceae 2: 67–68. 1920.** Sec. Hunt (2006)

≡ *Cereus brachypetalus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 16–17. 1913 syn. sec. Hunt (2006)

***Corryocactus brevistylus* (K.Schum. ex Vaupel) Britton & Rose, Cactaceae 2: 66–67, f. 99, 101. 1920.** Sec. Hunt (2006)

≡ *Cereus brevistylus* K.Schum. ex Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 17–18. 1913 syn. sec. Hunt (2006)

= *Corryocactus brevispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2006)

= *Corryocactus krausii* Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2006)

= *Corryocactus pachycladus* Rauh & Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2006)
 = *Corryocactus puquiensis* Rauh & Backeb., Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Corryocactus brevistylus* var. *puquiensis* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1279. 1981 syn. sec. Hunt (2006) ≡ *Corryocactus brevistylus* subsp. *puquiensis* (Rauh & Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Hunt (2006)

***Corryocactus chachapoyensis* (Ochoa & Backeb.) Ochoa & Backeb. ex D.R.Hunt in Cactaceae Consensus Init. 7: 32. 1999.** Sec. Hunt (2006)

≡ *Cereus chachapoyensis* Ochoa & Backeb. in Backeberg, Cactaceae 2: 859. 1959 syn. sec. Kew WCVP (2019) – *Corryocactus chachapoyensis* Ochoa & Backeb. in Backeberg, Cactaceae 2: 859. 1959, comb. inval. syn. sec. Hunt (2006)

***Corryocactus dillonii* A.Pauca & Quip. in Arnaldoa 22: 315. 2015.** Sec. Kew WCVP (2019)

***Corryocactus erectus* (Backeb.) F.Ritter, Kakteen Südamerika 4: 1281. 1981.** Sec. Hunt (2006)

≡ *Erdisia erecta* Backeb. in Repert. Spec. Nov. Regni Veg.: Abb. 114, 2. 1942 syn. sec. Hunt (2006)

= *Erdisia aureispina* Backeb. & H.Jacobsen, Descr. Cact. Nov. 1: 12. 1957 ["1956"] syn. sec. Tropicós

= *Bolivicereus pisacensis* Knize in Biota 7: 252. 1969 syn. sec. Kew WCVP (2019) ≡ *Borzicactus pisacensis* (Knize)

G.D.Rowley in Repert. Pl. Succ. 25: 5. 1976 ["1974"] syn. sec. Hunt (2006)

= *Bolivicereus soukupii* Knize in Biota 7: 252. 1969 syn. sec. Kew WCVP (2019) ≡ *Borzicactus soukupii* (Knize) G.D.Rowley in Repert. Pl. Succ. 25: 6. 1976 ["1974"] syn. sec. Hunt (2006)

***Corryocactus melanotrichus* (K.Schum.) Britton & Rose, Cactaceae 2: 68. 1920.** Sec. Kiesling & al. (2014)

≡ *Cereus melanotrichus* K.Schum., Gesamtbeschr. Kakt.: 71. 1897 syn. sec. Kiesling & al. (2014) ≡ *Erdisia melanotricha* (K.Schum.) Backeb., Kaktus-ABC: 174. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Corryocactus ayopayanus* Cárdenas in Natl. Cact. Succ. J. 7: 21. 1952 syn. sec. Kiesling & al. (2014)

= *Corryocactus melanotrichus* var. *caulescens* Cárdenas in Natl. Cact. Succ. J. 7: 20. 1952 syn. sec. Kiesling & al. (2014)

= *Corryocactus perezianus* Cárdenas in Natl. Cact. Succ. J. 7: 22. 1952 syn. sec. Kiesling & al. (2014)

= *Corryocactus charazanensis* Cárdenas in Cactus (Paris) 57: 247. 1957 syn. sec. Kiesling & al. (2014)

= *Corryocactus odoratus* F.Ritter, Kakteen Südamerika 4: 1285. 1981 syn. sec. Kiesling & al. (2014)

***Corryocactus pulquinensis* Cárdenas in Natl. Cact. Succ. J. 12: 84. 1957.** Sec. Kiesling & al. (2014)

***Corryocactus serpens* F.Ritter, Kakteen Südamerika 4: 1285. 1981.** Sec. Hunt (2006)

***Corryocactus squarrosus* (Vaupel) Hutchison in Sukkulantenkunde 7-8: 9. 1963.** Sec. Hunt (2006)

≡ *Cereus squarrosus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 21–22. 1913 syn. sec. Hunt (2006) ≡ *Erdisia squarrosa* (Vaupel) Britton & Rose, Cactaceae 2: 104. 1920 syn. sec. Tropicós

= *Erdisia maxima* Backeb., Stachlige Wildnis: 263. 1942 syn. sec. Hunt (2006) ≡ ?*Corryocactus maximus* (Backeb.) Hutchison in Sukkulantenkunde 7-8: 9. 1963 syn. sec. Hunt (2006)

= *Corryocactus chavinilloensis* F.Ritter, Kakteen Südamerika 4: 1290. 1981 syn. sec. Hunt (2006)

= *Corryocactus gracilis* F.Ritter, Kakteen Südamerika 4: 1282. 1981 syn. sec. Hunt (2006)

= *Corryocactus pyroporphyranthus* F.Ritter, Kakteen Südamerika 4: 1284. 1981 syn. sec. Hunt (2006)

= *Corryocactus quivillanus* F.Ritter, Kakteen Südamerika 4: 1290. 1981 syn. sec. Hunt (2006)

***Corryocactus tarijensis* Cárdenas in Natl. Cact. Succ. J. 7: 23. 1952.** Sec. Kiesling & al. (2014)

≡ *Corryocactus melanotrichus* subsp. *tarijensis* (Cárdenas) R.Kiesling syn. sec. Kiesling & al. (2014)

= *Corryocactus otuyensis* Cárdenas in Cactus (Paris) 78: 88. 1963 syn. sec. Kiesling & al. (2014)

***Coryphantha* (Engelm.) Lem., Cactées: 32. 1868, nom. cons.** Sec. Hunt (2006)

Type: *Coryphantha sulcata* (Engelm.) Britton & Rose

≡ *Mammillaria* subg. *Coryphanta* Engelm. in Proc. Amer. Acad. Arts 3: 264. 1856 syn. sec. Hunt (2006)

= *Glandulifera* Frič in Českoslov. Zahravn. Listy 1924: 122. 1924, nom. illeg. syn. sec. Kew WCVP (2019)

= *Lepidocoryphantha* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938 syn. sec. Hunt (2006). Type: *Lepidocoryphantha macromeris* (Engelm.) Backeb.

= *Escobrittonia* Doweld in Sukkulenty 3(1-2): 17. 2000 syn. sec. Hunt (2006). Type: *Escobrittonia gracilis* (L.Bremer & A.B.Lau) Doweld

Notes. – **Phylogenetics:** Found as highly polyphyletic by Bárcenas & al. (2011), and as nested in *Mammillaria*. One core *Coryphantha* clade was resolved but only weakly supported as monophyletic (0.65 PP from Bayesian Inference). Vázquez-Sánchez & al. (2013) likewise find *Coryphantha* as polyphyletic, but not nested in *Mammillaria*, however much fewer species were sampled therein. One maximally supported group was found that also contains *Neolloydia matehualensis* Backeb., while other *Coryphantha* species were found close to *Echinomastus* and *Escobaria*.

Breslin et al. (2021) resolved three well-supported clades in the Mammilloid clade, these comprising *Mammillaria* s.s., *Cochemiea* and *Coryphantha*. *Escobaria* was nested within *Coryphantha*, although more taxon sampling is needed in the clade before completely understanding generic limits in the *Coryphantha* clade. Breslin et al. (2021) expanded *Cochemiea* to include *Neolloydia*, *Ortegocactus* and other species traditionally recognized as *Mammillaria* s.l. in that clade. See also notes under *Mammillaria* and *Neolloydia*. [Majure (2021)]

***Coryphantha clavata* (Scheidw.) Backeb. in Cactaceae (Berlin) 1941(2): 61. 1942.** Sec. Guzmán Cruz & al. (2003)

≡ *Mammillaria clavata* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 494. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡

Neolloydia clavata (Scheidw.) Britton & Rose, Cactaceae 4: 15–16, f. 14. 1923 syn. sec. Guzmán Cruz & al. (2003)

- = *Mammillaria raphidacantha* Lem., Cact. Gen. Sp. Nov.: 34. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus raphidacanthus* (Lem.) Poselg. in Allg. Gartenzeitung 21(16): 126. 1853 syn. sec. Tropicos ≡ *Echinocactus cornifer* var. *raphidacanthus* (Lem.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923) ≡ *Coryphantha raphidacantha* (Lem.) Lem., Cactées: 34. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus raphidacanthus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria sulcoglandulifera* Jacobi in Allg. Gartenzeitung 24: 92. 1856 syn. sec. Britton & Rose (1923)
- = *Cactus brunneus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 117. 1894 syn. sec. Britton & Rose (1923)
- = *Cactus maculatus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 117. 1894 syn. sec. Britton & Rose (1923)
- = *Mammillaria radicansissima* Quehl in Monatsschr. Kakteenk. 22: 164. 1912 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha clavata* var. *radicansissima* (Quehl) Heinrich ex Backeb., Cactaceae 5: 2995. 1961 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha unicornis* Boed. in Z. Sukkulenteenk.: 205. 1928 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha clavata* subsp. *clavata*.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha clavata* subsp. *stipitata* (Scheidw.) Dicht & A.Lüthy in Cactaceae Syst. Init. 11: 12. 2001.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria stipitata* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 495. 1838 syn. sec. Guzmán Cruz & al. (2003) – *Mammillaria stipitata* Scheidw. ex Labour., Monogr. Cact.: 128. 1853, nom. inval. syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria ancistracantha* Lem., Cact. Gen. Sp. Nov.: 36. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha ancistracantha* Lem., Cactées: 34. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus ancistracanthus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos ≡ *Mammillaria raphidacantha* var. *ancistracantha* (Lem.) K.Schum., Gesamtbeschr. Kakt.: 824. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria raphidacantha* f. *ancistracantha* (Lem.) Schelle, Handb. Kakteenkult.: 243. 1907 syn. sec. Korotkova (2021) ≡ *Coryphantha raphidacantha* var. *ancistracantha* (Lem.) Y.Itô, Cacti, ed. 2: 116. 1952 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha clavata* var. *ancistracantha* (Lem.) Heinrich ex Backeb., Cactaceae 5: 2915. 1961 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria raphidacantha* var. *humilior* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 244. 1846 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria humilior* C.F.Först. ex K.Schum., Gesamtbeschr. Kakt.: 824. 1898 syn. sec. Britton & Rose (1923)
- Coryphantha compacta* (Engelm.) Orcutt, Circular to Cactus Fanciers, p.i. 1922.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria compacta* Engelm., Mem. Tour N. Mexico: 105. 1848 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus compactus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Coryphantha compacta* (Engelm.) Britton & Rose, Cactaceae 4: 36. 1923 syn. sec. Tropicos
- = *Coryphantha palmeri* Britton & Rose, Cactaceae 4: 39. 1923 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha cornifera* (DC.) Lem., Cactées: 35. 1868.** Sec. Hunt (2006)
- ≡ *Mammillaria cornifera* DC. in Mém. Mus. Hist. Nat. 17: 112. 1828 syn. sec. Hunt (2006) ≡ *Cactus cornifer* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Echinocactus cornifer* (DC.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019) – *Cactus conifer* (Haw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. TPL (2013) [is misspelling for *Cactus cornifer* (DC.) Kuntze]
- = *Mammillaria radians* DC. in Mém. Mus. Hist. Nat. 17: 111. 1828 syn. sec. Hunt (2006) ≡ *Cactus radians* (DC.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2006) ≡ *Coryphantha radians* (DC.) Britton & Rose, Cactaceae 4: 36. 1923 syn. sec. Hunt (2016)
- = *Mammillaria impexicoma* Lem., Cact. Aliq. Nov.: 5. 1838 syn. sec. Kew WCVP (2019) ≡ *Mammillaria cornifera* var. *impexicoma* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 20. 1850 syn. sec. Kew WCVP (2019) ≡ *Coryphantha impexicoma* Lem. ex C.F.Först., Handb. Cacteenk., ed. 2: 414. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radians* var. *impexicoma* (Lem.) Salm-Dyck ex K.Schum., Gesamtbeschr. Kakt.: 495. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radians* f. *impexicoma* (Lem.) Schelle, Handb. Kakteenkult.: 240. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria radians* var. *globosa* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 494. 1838 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* de Vriese in Tijdschr. Nat. Geschied. 6: 51, t. 1, f. 2. 1839 syn. sec. Tropicos ≡ *Cactus pfeifferianus* (Vriese) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* var. *altissima* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* var. *dichotoma* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* var. *flaviceps* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* var. *fulvispina* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferiana* var. *variabilis* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria scolymoides* Scheidw. in Allg. Gartenzeitung 9: 44. 1841 syn. sec. Tropicos ≡ *Cactus scolymoides* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radians* var. *scolymoides* (Scheidw.) Schelle, Handb. Kakteenkult.: 241. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria cornifera* f. *scolymoides* (Scheidw.) Schelle, Kakteen: 290. 1926 syn. sec. Kew WCVP (2019) ≡ *Coryphantha scolymoides* (Scheidw.) A.Berger, Kakteen: 271. 1929 syn. sec. Kew WCVP (2019) ≡ *Coryphantha cornifera* var. *scolymoides* (Scheidw.) Borg, Cacti, ed. 1: 292. 1937 syn. sec. Kew WCVP (2019) ≡ *Echinocactus cornifer* var. *scolymoides* (Scheidw.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923)
- = *Mammillaria cornifera* var. *mutica* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 20. 1845 syn. sec. Kew WCVP (2019)

- = *Mammillaria daimonoceras* Lem. ex C.F.Först., Handb. Cacteenk.: 251. 1846 syn. sec. Kew WCVP (2019) ≡ *Mammillaria daimonoceras* Lem. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 20, 131. 1850 syn. sec. Korotkova (2021) ≡ *Coryphantha daimonoceras* Lem., Cactées: 35. 1868 syn. sec. Britton & Rose (1923) ≡ *Mammillaria radians* var. *daimonoceras* (Lem.) K.Schum., Gesamtbeschr. Kakt.: 496. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radians* f. *daimonoceras* (Lem.) Schelle, Handb. Kakteenkult.: 241. 1907 syn. sec. Kew WCVP (2019) ≡ *Coryphantha daimonoceras* (Lem.) A.Berger, Kakteen: 339. 1929 syn. sec. Kew WCVP (2019)
- = *Mammillaria scolymoides* var. *longiseta* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 132. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria scolymoides* var. *nigricans* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 132. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria scolymoides* var. *raphidacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 132. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus cornifer* var. *impexicomus* (Lem.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923) ≡ *Coryphantha radians* var. *impexicoma* (Lem. ex C.F.Först.) Backeb. & F.M.Knuth, Kaktus-ABC: 370. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Echinocactus cornifer* var. *longisetus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923)
- = *Echinocactus cornifer* var. *muticus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923)
- = *Echinocactus cornifer* var. *nigricans* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923)
- = *Echinocactus radicans* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Kew WCVP (2019)
- = *Ectus radians* var. *pectinoides* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 144. 1894 syn. sec. Kew WCVP (2019) ≡ *Coryphantha radians* var. *pectinoides* (J.M.Coult.) Bravo in Cact. Succ. Mex. 27: 17. 1982 syn. sec. Kew WCVP (2019)
- = *Mammillaria cornuta* Hildm. ex Schum., Gesamtbeschr. Kakt.: 496. 1898 syn. sec. WFO 2019 ≡ *Coryphantha cornuta* (Hildm.) A.Berger, Kakteen: 339. 1929 syn. sec. Hunt (2006)
- = *Coryphantha bernalensis* L.Bremer in Cact. Succ. J. (Los Angeles) 56: 165. 1984 syn. sec. Kew WCVP (2019)
- = *Coryphantha maliterrarum* L.Bremer in Cact. Succ. J. (Los Angeles) 56: 71. 1984 syn. sec. Hunt (2006)
- Coryphantha delaetiana* (Quehl) A.Berger, Kakteen: 270, 339. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria delaetiana* Quehl in Monatsschr. Kakteenk. 18: 59. 1908 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria gladiispina* Boed. in Z. Sukkulentenk. 2(7): 120–121, unnumbered pl. 1925 syn. sec. Guzmán Cruz & al. (2003)
- ≡ *Coryphantha gladiispina* (Boed.) A.Berger, Kakteen: 271. 1929 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha delicata* L.Bremer in Cact. Succ. J. (Los Angeles) 51(2): 76. 1979.** Sec. Guzmán Cruz & al. (2003)
- = *Coryphantha panarottoi* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 6: 235. 1999 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha daemonoceras* var. *jaumavei* Frič syn. sec. Hunt (2006) – *Coryphantha jaumavei* (Frič) Frič in Život v Přír. 29(2): 14. 1925, nom. inval. syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha difficilis* (Quehl) Orcutt in Cactography 3. 1926.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria difficilis* Quehl in Monatsschr. Kakteenk. 18: 107. 1911 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha densispina* Werderm. in Repert. Spec. Nov. Regni Veg. 30: 57. 1932 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha durangensis* (Runge ex K.Schum.) Britton & Rose, Cactaceae 4: 42. 1923.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria durangensis* Runge ex K.Schum., Gesamtbeschr. Kakt.: 478. 1898 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha durangensis* subsp. *cuencamensis* (L.Bremer) Dicht & A.Lüthy in Cactaceae Syst. Init. 11: 18. 2001.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Coryphantha cuencamensis* L.Bremer in Cact. Succ. J. (Los Angeles) 52(4): 183. 1980 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha durangensis* subsp. *durangensis*.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha echinoidea* (Quehl) Britton & Rose, Cactaceae 4: 30. 1923.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria echinoidea* Quehl in Monatsschr. Kakteenk. 23: 42. 1913 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha schwarziana* Boed., Mammill.-Vergl.-Schlüssel: 12. 1933 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha echinus* (Engelm.) Britton & Rose, Cactaceae 4: 42. 1923.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria echinus* Engelm. in Proc. Amer. Acad. Arts 3: 267. 1856 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus echinus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Mammillaria radians* var. *echinus* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 496. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radians* f. *echinus* (Engelm.) Schelle, Handb. Kakteenkult.: 240. 1907 ≡ *Coryphantha echinus* (Engelm.) Orcutt, Circular to Cactus Fanciers, p.i. 1922 syn. sec. Korotkova (2021) ≡ *Coryphantha radians* var. *echinus* (Engelm.) Y.Itô, Cacti, ed. 2: 115. 1952 syn. sec. Kew WCVP (2019) ≡ *Coryphantha cornifera* var. *echinus* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 189. 1969 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria pectinata* Engelm. in Proc. Amer. Acad. Arts 3: 266–267. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Cactus pectinatus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Parfitt & Gibson (2003) ≡ *Coryphantha pectinata* (Engelm.) Britton & Rose, Cactaceae 4: 34. 1923 syn. sec. Parfitt & Gibson (2003) ≡ *Coryphantha radians* var. *pectinata* (Engelm.) Borg, Cacti, ed. 1: 294. 1937 syn. sec. Parfitt & Gibson (2003) – *Mammillaria pertinata* Engelm. syn. sec. TPL (2013) [is misspelling for *Mammillaria pectinata* Engelm.]
- = *Coryphantha echinus* var. *robusta* A.M.Powell, Cacti Trans-Pecos: 455. 2004 syn. sec. Kew WCVP (2019)
- Coryphantha elephantidens* (Lem.) Lem., Cactées: 35. 1868.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria elephantidens* Lem., Cact. Aliq. Nov.: 1. 1838 syn. sec. Tropicos ≡ *Echinocactus elephantidens* (Lem.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus elephantidens* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria cornimamma* N.E.Br. in Gard. Chron. III 1887(2): 186. 1887 syn. sec. Kew WCVP (2019)

- = *Mammillaria elephantidens* var. *bumamma* K.Schum., Keys Monogr. Cact.: 43. 1903 syn. sec. Kew WCVP (2019)
 = *Coryphantha elephantidens* var. *barciae* L.Bremer in Cact. Succ. Mex. 22: 65. 1977 syn. sec. Kew WCVP (2019)
- Coryphantha elephantidens* subsp. *bumamma* (Ehrenb.) Dicht & A.Lüthy in *Cactaceae Syst. Init.* 11: 14. 2001.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria bumamma* Ehrenb. in Allg. Gartenzeitung 17: 243. 1849 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha bumamma* (Ehrenb.) Britton & Rose, *Cactaceae* 4: 33. 1923 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha elephantidens* subsp. *elephantidens*.** Sec. Guzmán Cruz & al. (2003)
- = *Mammillaria sulcolanata* Lem., Cact. Aliq. Nov.: 2. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus sulcolanatus* (Lem.) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Hunt (2006) ≡ *Coryphantha sulcolanata* (Lem.) Lem., *Cactées*: 35. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus sulcolanatus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2006)
- = *Mammillaria recurvispina* de Vriese in Tijdschr. Nat. Geschied. 6: 53, t. 1, f. 3. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus recurvispinus* (de Vriese) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 ≡ *Coryphantha recurvispina* (de Vriese) L.Bremer in Cact. Succ. Mex. 21: 12. 1976 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha gaessii* L.Bremer in Cact. Succ. J. (Los Angeles) 52: 82. 1980 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha elephantidens* subsp. *greenwoodii* (Bravo) Dicht & A.Lüthy in *Cactaceae Syst. Init.* 11: 14. 2001.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Coryphantha greenwoodii* Bravo in Cact. Succ. Mex. 15: 27. 1970 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha erecta* (Lem. ex Pfeiff.) Lem., *Cactées*: 34. 1868.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria erecta* Lem. in Allg. Gartenzeitung 5: 370. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus erectus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Glandulifera erecta* (Lem. ex Pfeiff.) Frič in *Ceskoslov. Zahradn. Listy* 1924: 122. 1924 syn. sec. Kew WCVP (2019)
- = *Mammillaria ceratocentra* Bergman in Allg. Gartenzeitung 8: 130. 1840 syn. sec. Britton & Rose (1923) ≡ *Cactus ceratocentrus* (Bergman) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- = *Mammillaria evanescens* C.F.Först., *Handb. Cacteenk.*: 243. 1846 syn. sec. Britton & Rose (1923)
- = *Echinocactus erectus* Poselg. in Allg. Gartenzeitung 21: 126. 1853 syn. sec. Britton & Rose (1923)
- Coryphantha georgii* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 3: 163. 1931.** Sec. Guzmán Cruz & al. (2003)
- = *Coryphantha villarensis* Backeb., *Stachlige Wildnis*: 377. 1942 syn. sec. Guzmán Cruz & al. (2003)
- = *Coryphantha grata* L.Bremer in Cact. Succ. J. (Los Angeles) 53: 276. 1981 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha glanduligera* (Otto & A.Dietr.) Lem., *Cactées*: 34. 1868.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria glanduligera* Otto & A.Dietr. in Allg. Gartenzeitung 16: 298. 1848 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus glanduliger* (Otto & A.Dietr.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus breviammus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019) ≡ *Coryphantha breviamma* (Zucc. ex Pfeiff.) Lem. ex C.F.Först., *Handb. Cacteenk.*, ed. 2: 394. 1885 syn. sec. Kew WCVP (2019) ≡ *Cactus breviamma* (Zucc.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Echinocactus glanduliger* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019)
- = *Coryphantha bergeriana* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 1: 191. 1929 syn. sec. Kew WCVP (2019)
- Coryphantha glassii* Dicht & A.Lüthy in *Kakteen And. Sukk.* 51(1): 2. 2000.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha gracilis* Bremer & A.B.Lau in *Cact. Succ. J. (Los Angeles)* 49(2): 72. 1977.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Escobrittonia gracilis* (L.Bremer & A.B.Lau) Doweld in *Sukkulenty* 3: 17. 2000 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha hintoniorum* Dicht & A.Lüthy in *Kakteen And. Sukk.* 50: 13–17. 1999.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha hintoniorum* subsp. *geoffreyi* Dicht & A.Lüthy in *Kakteen And. Sukk.* 54(2): 44. 2003.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha hintoniorum* subsp. *hintoniorum*.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha jalpanensis* Buchenau in *Cact. Succ. Mex.* 10: 38. 1965.** Sec. Guzmán Cruz & al. (2003)
- Coryphantha kracikii* Halda, Chalupa & Kupčák in *Cactaceae etc.* 12(1): 12–13. 2002.** Sec. Hunt (2006)
- Coryphantha longicornis* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 3: 249. 1931.** Sec. Guzmán Cruz & al. (2003)
- = *Coryphantha grandis* L.Bremer in Cact. Succ. J. (Los Angeles) 50: 134. 1978 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha macromeris* (Engelm.) Lem., *Cactées*: 35. 1868.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Mammillaria macromeris* Engelm., *Mem. Tour N. Mexico*: 97. 1848 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus macromeris* (Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2006) ≡ *Lepidocoryphantha macromeris* (Engelm.) Backeb. in *Cactaceae* (Berlin) 1941(2): 61. 1942 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria dactylithele* Labour., *Monogr. Cact.*: 146. 1853 syn. sec. Britton & Rose (1923)
- = *Mammillaria heteromorpha* Scheer, *Bot. Voy. Herald*: 289. 1856 syn. sec. Tropicos ≡ *Echinocactus heteromorphus* (Scheer) Poselg. in Allg. Gartenzeitung 21: 126. 1853 syn. sec. Tropicos ≡ *Cactus heteromorphus* (Scheer) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = ?*Coryphantha heteromorpha* Lem., *Cactées*: 34. 1868 syn. sec. Britton & Rose (1923) ≡ ?*Coryphantha heterophylla* Lem., *Cactées*: 34. 1868 syn. sec. Britton & Rose (1923)
- = *Coryphantha pirtlei* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 12: 226. 1934 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha macromeris* subsp. *macromeris*.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha macromeris* subsp. *runyonii* (Britton & Rose) N.P.Taylor in *Cactaceae Consensus Init.* 6: 15. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Coryphantha runyonii* Britton & Rose, *Cactaceae* 4: 26. 1923 syn. sec. Guzmán Cruz & al. (2003) ≡ *Neomammillaria runyonii* Britton & Rose, *Cactaceae* 4: 81, t. 10, f. 2. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria runyonii* (Britton & Rose) Cory in *Rhodora* 38(455): 407. 1936 syn. sec. Tropicos ≡ *Mammillaria melanocentra* var. *runyonii* (Britton & Rose) R.T.Craig, *Mammill. Handb.*: 65. 1945 ≡ *Lepidocoryphantha runyonii* (Britton & Rose) Backeb., *Cactaceae* 5: 2975. 1961 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha macromeris* var. *runyonii* (Britton & Rose) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 188. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lepidocoryphantha macromeris* subsp. *runyonii* (Britton & Rose) Doweld in *Sukkulenty* 2(1): 28. 1999 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha maiz-tablasensis* Fritz Schwarz ex Backeb. in *Blätt. Sukkulente* 1: 5. 1949.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha neglecta* L.Bremer in *Cact. Suc. Mex.* 24(1): 3–4. 1979.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha nickelsiae* (K.Brandege) Britton & Rose, *Cactaceae* 4: 35. 1923.** Sec. Guzmán Cruz & al. (2003)

≡ *Mammillaria nickelsiae* K.Brandege in *Zoë* 5(2): 31. 1900 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha sulcata* var. *nickelsiae* (K.Brandege) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 188. 1969 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria calochlora* Anon. in *Monatsschr. Kakteenk.* 26: 267. 1916 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha calochlora* Boed., *Mammillarien-Vergleichs-Schlüssel*: 7. 1933 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha octacantha* (DC.) Britton & Rose, *Cactaceae* 4: 30–31. 1923.** Sec. Guzmán Cruz & al. (2003)

≡ *Mammillaria octacantha* DC. in *Mém. Mus. Hist. Nat.* 17: 113. 1828 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus octacanthus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2006)

= *Mammillaria leucacantha* DC. in *Mém. Mus. Hist. Nat.* 17: 113. 1828 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria brevimamma* Zucc. ex Pfeiff., *Enum. Diagn. Cact.*: 34. 1837 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria curvata* Pfeiff., *Enum. Diagn. Cact.*: 15. 1837 syn. sec. Kew WCVP (2019)

= *Mammillaria exsudans* Zucc., *Enum. Diagn. Cact.*: 15. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha exsudans* (Zucc. ex Pfeiff.) Lem. ex C.F.Först., *Handb. Cacteenk.*, ed. 2: 395. 1885 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus exudans* (Zucc.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Coryphantha exsudans* (Zucc.) Lem. ex Britton & Rose, *Cactaceae* 4: 31. 1923 syn. sec. Kew WCVP (2019) ≡ *Mammillaria brevimamma* var. *exsudans* (Zucc. ex Pfeiff.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 19. 1850 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria macrothele* Mart. ex Pfeiff., *Enum. Diagn. Cact.*: 24. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus macrothele* (Mart. ex Pfeiff.) Poselg. in *Allg. Gartenzeitung* 21: 125. 1853 syn. sec. Tropicos ≡ *Cactus macrothele* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Coryphantha macrothele* (Mart. ex Pfeiff.) Kümmler in *Mitt. Arbeitskreises Mammillarienfr.* 22: 109. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria plaschnickii* Otto, *Enum. Diagn. Cact.*: 24. 1837 syn. sec. Tropicos ≡ *Echinocactus plaschnickii* Poselg. in *Allg. Gartenzeitung* 21: 125. 1853 syn. sec. Tropicos ≡ *Cactus plaschnickii* (Otto) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria aulacothele* Lem., *Cact. Aliq. Nov.* 1: 8. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha aulacothele* (Lem.) Lem., *Cactées*: 34. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus aulacothele* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria aulacothele* var. *sulcimamma* H.Pfeiff. in *Allg. Gartenzeitung* 6: 274. 1838 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria biglandulosa* Pfeiff. in *Allg. Gartenzeitung* 6: 274. 1838 syn. sec. Tropicos ≡ *Mammillaria macrothele* var. *biglandulosa* (Pfeiff.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 19. 1850 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus macrothele* var. *biglandulosus* (Pfeiff.) Poselg. in *Allg. Gartenzeitung* 21: 125. 1853 syn. sec. Hunt (2006) ≡ *Cactus biglandulosus* (Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2006)

= *Mammillaria martiana* Pfeiff. in *Linnaea* 12: 140. 1838 syn. sec. Tropicos ≡ *Cactus martianus* (Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria aulacothele* var. *multispina* Scheidw. in *Bull. Acad. Roy. Sci. Bruxelles* 6: 92. 1839 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria aulacothele* var. *spinosior* Monv. ex Lem., *Cact. Gen. Sp. Nov.*: 93. 1839 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria thelocamptos* Lehm. in *Linnaea* 13(Lit.): 101. 1839 syn. sec. Kew WCVP (2019)

= *Mammillaria clava* Pfeiff. in *Allg. Gartenzeitung* 8: 282. 1840 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus clava* (Pfeiff.) Poselg. in *Allg. Gartenzeitung* 21: 125. 1853 syn. sec. Tropicos ≡ *Echinocactus clavus* (Pfeiff.) Poselg. in *Allg. Gartenzeitung* 21(16): 125. 1853 syn. sec. Britton & Rose (1923) ≡ *Coryphantha clava* (Pfeiff.) Lem., *Cactées*: 34. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus clavus* (Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Glandulifera clava* (Pfeiff.) Frič in *Ceskoslov. Zahradn. Listy* 1924: 122. 1924 syn. sec. Kew WCVP (2019)

= *Mammillaria schlechtendalii* Ehrenb. in *Linnaea* 14: 377. 1840 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha schlechtendalii* (Poselg.) Lem., *Cactées*: 34. 1868 syn. sec. Kew WCVP (2019) ≡ *Cactus schlechtendalii* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Echinocactus schlechtendalii* Poselg. in *Allg. Gartenzeitung* 21: 125. 1853 syn. sec. Kew WCVP (2019) ≡ *Coryphantha clava* var. *schlechtendalii* (Poselg.) Heinrich ex Backeb., *Cactaceae* 5: 3040. 1961 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria aulacothele* var. *flavispina* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 13. 1845 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria polymorpha* Scheer ex Muehlenpf. in *Allg. Gartenzeitung* 14: 373. 1846 syn. sec. Tropicos ≡ *Cactus polymorphus* (Scheer) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

- = *Mammillaria plaschnickii* var. *straminea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 127. 1850 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria schlechtendalii* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 19. 1850 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria sulcimamma* Pfeiff. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 19. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus glanduligerus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Britton & Rose (1923)
- = *Echinocactus macrothele* var. *lehmannii* Poselg. in Allg. Gartenzeitung 21: 125. 1853 syn. sec. Britton & Rose (1923)
- = *Coryphantha lehmannii* Lem., Cactées: 34. 1868 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha ottonis* (Pfeiff.) Lem., Cactées: 34. 1868. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Mammillaria ottonis* Pfeiff. in Allg. Gartenzeitung 6: 274. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus ottonis* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891, nom. illeg. syn. sec. Hunt (2006)
- = *Mammillaria asterias* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 129. 1850 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha asterias* (Cels) Hübner in Kakteenfreund (Beil.) 2: 8. 1933 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus ottonianus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019) ≡ *Coryphantha ottonianus* (Poselg.) Y.Itô, Cactaceae: 553. 1981 syn. sec. Hunt (2006)
- = *Mammillaria bussleri* Mundt ex K.Schum. in Monatsschr. Kakteenk. 12: 47. 1902 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha bussleri* (Mundt) Scheinvar in Phytologia 49: 313. 1981 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria golziana* F.Haage ex R.E.Kunze in Monatsschr. Kakteenk. 19: 100. 1909 syn. sec. Britton & Rose (1923)
- = *Mammillaria guerkeana* Boed. in Monatsschr. Kakteenk. 24: 52. 1914 syn. sec. Korotkova (2021) ≡ *Coryphantha guerkeana* (Boed.) Britton & Rose, Cactaceae 4: 29. 1923 syn. sec. Hunt (2016)
- Coryphantha pallida* Britton & Rose, Cactaceae 4: 40–41, f. 38. 1923. Sec. Guzmán Cruz & al. (2003)**
- = *Mammillaria heteracantha* Mart. ex Pfeiff., Enum. Diagn. Cact.: 13. 1837 syn. sec. Britton & Rose (1923)
- = *Mammillaria loricata* Mart. ex Pfeiff., Enum. Diagn. Cact.: 13. 1837 syn. sec. Tropicos ≡ *Cactus loricatus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Coryphantha loricata* Lem., Cactées: 35. 1868 syn. sec. Kew WCVP (2019)
- = *Echinocactus loricatus* Speng. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 502. 1905 syn. sec. Kew WCVP (2019)
- Coryphantha pallida* subsp. *calipensis* (Bravo ex S.Arias, Gama & U.Guzmán) Dicht & A.Lüthy in J. Mammillaria Soc. 40: 50. 2000. Sec. Hunt (2016)**
- ≡ *Coryphantha calipensis* Bravo ex S.Arias, Gama & U.Guzmán in Cact. Suc. Mex. 37(3): 72. 1992 syn. sec. Hunt (2016) – *Coryphantha pycnantha* var. *calipensis* U.Guzmán, Fl. Valle Tehuacán-Cuicatlán 14: 12. 1997, nom. inval. syn. sec. Korotkova (2021)
- Coryphantha pallida* subsp. *pallida*. Sec. Guzmán Cruz & al. (2003)**
- = *Coryphantha reduncispina* Boed. in Kakteenkunde 1933: 153. 1933 syn. sec. Hunt (2016)
- Coryphantha pallida* subsp. *pseudoradians* (Bravo) U.Guzmán & Vázq.-Ben. in Cactaceae Syst. Init. 16: 16. 2003. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Coryphantha pseudoradians* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 25: 528. 1954 syn. sec. Hunt (2006) ≡ *Coryphantha radians* var. *pseudoradians* (Bravo) Bravo in Cact. Suc. Mex. 27: 17. 1982 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha poselgeriana* (A.Dietr.) Britton & Rose, Cactaceae 4: 28. 1923. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Echinocactus poselgerianus* A.Dietr. in Allg. Gartenzeitung 19: 346. 1851 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria salm-dyckiana* Scheer in Salm-Dyck, Cact. Hort. Dyck., 1849: 134. 1850 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus salm-dyckianus* (Scheer) Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Tropicos ≡ *Cactus salm-dyckianus* (Scheer ex Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Coryphantha salm-dyckiana* (Scheer ex Salm-Dyck) Britton & Rose, Cactaceae 4: 39. 1923 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria salm-dyckiana* var. *brunnea* Salm-Dyck in Allg. Gartenzeitung 18: 394. 1850 syn. sec. Kew WCVP (2019) ≡ *Coryphantha salm-dyckiana* var. *brunnea* (Salm-Dyck) G.Unger in Kakteen And. Sukk. 37: 86. 1986 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus saltillensis* Glaz. in Cact. J. (London) 1: 100. 1898 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria valida* F.A.C.Weber, Dict. Hort.: 806. 1898 syn. sec. Tropicos ≡ *Neomammillaria melanocentra* (F.A.C.Weber) Britton & Rose, Cactaceae 4: 81, f. 73. 1923 syn. sec. Tropicos
- = *Mammillaria valida* Purpus in Monatsschr. Kakteenk. 21: 97. 1911 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha poselgeriana* var. *valida* (Purpus) Heinrich ex Backeb., Cactaceae 5: 3050. 1961 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha valida* (Purpus) L.Bremer in Cact. Suc. Mex. 22: 16. 1977 syn. sec. Guzmán Cruz & al. (2003)
- = *Mammillaria kieferiana* Boed. in Z. Sukkulenteenk.: 270. 1928 syn. sec. Kew WCVP (2019) ≡ *Coryphantha kieferiana* (Boed.) A.Berger, Kakteen: 339. 1929 syn. sec. Kew WCVP (2019)
- Coryphantha potosiana* (Jacobi) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 43: 7. 1971. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Mammillaria potosiana* Jacobi in Allg. Gartenzeitung 24: 92. 1856 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha potosiana* (Jacobi) Glass & R.A.Foster ex Rowley in Repert. Pl. Succ. 21: 8. 1972 syn. sec. Guzmán Cruz & al. (2003)
- Coryphantha pseudoechinus* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 17. 1929. Sec. Guzmán Cruz & al. (2003)**

***Coryphantha pseudoechinus* subsp. *loui* (L.Bremer) Dicht & A.Lüthy in *Cactaceae Syst. Init.* 11: 20. 2001. Sec. Guzmán Cruz & al. (2003)**

≡ *Coryphantha loui* L.Bremer in *Cact. Succ. J. (Los Angeles)* 51(6): 278. 1979 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha pseudoechinus* subsp. *pseudoechinus*. Sec. Guzmán Cruz & al. (2003)**

= *Coryphantha pusilliflora* L.Bremer in *Cact. Succ. J. (Los Angeles)* 54: 133. 1982 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha pseudonickelsiae* Backeb. in *Blätt. Sukkulenteenk.* 1: 8. 1949. Sec. Guzmán Cruz & al. (2003)**

= *Coryphantha indensis* L.Bremer in *Cact. Suc. Mex.* 22: 75. 1977 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha pulleineana* (Backeb.) Glass in *Cact. Suc. Mex.* 13: 35. 1968. Sec. Guzmán Cruz & al. (2003)**

≡ *Neolloydia pulleineana* Backeb. in *Spine* 1: 108. 1948 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha pycnacantha* (Mart.) Lem., *Cactées:* 35. 1868. Sec. Guzmán Cruz & al. (2003)**

≡ *Mammillaria pycnacantha* Mart. in *Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur.* 16(1): 325–326. 1832 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus pycnacanthus* Poselg. in *Allg. Gartenzeitung* 21: 102. 1853 syn. sec. Tropicicos ≡ *Cactus pycnacanthus* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria latimamma* DC. in *Mém. Mus. Hist. Nat.* 17: 114. 1828 syn. sec. Kew WCVP (2019) ≡ *Cactus latimamma* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria acanthostephes* Lehm. in *Allg. Gartenzeitung* 3: 228. 1835 syn. sec. Kew WCVP (2019) ≡ *Echinocactus acanthostephes* Poselg. in *Allg. Gartenzeitung* 21: 102. 1853 syn. sec. Kew WCVP (2019) ≡ *Coryphantha acanthostephes* Lem., *Cactées:* 35. 1868 syn. sec. Kew WCVP (2019) ≡ *Cactus acanthostephes* (Lehm.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Echinocactus radiatus* Pfeiff., *Enum. Diagn. Cact.:* 180. 1837 syn. sec. Kew WCVP (2019)

= *Mammillaria scepontocentra* Lem., *Cact. Gen. Sp. Nov.:* 43. 1839 syn. sec. Tropicicos ≡ *Cactus scepontocentrus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria latimamma* var. *spiniosior* Monv. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 14. 1845 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria winkleri* C.F.Först. in *Allg. Gartenzeitung* 15: 50. 1847 syn. sec. Kew WCVP (2019) ≡ *Cactus winkleri* (C.F.Först.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Tropicicos

= *Echinocactus winkleri* Poselg. in *Allg. Gartenzeitung* 21: 102. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria conimamma* Linke in *Allg. Gartenzeitung* 25: 239. 1857 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha conimamma* (Linke) A.Berger, *Kakteen:* 272. 1929 syn. sec. Guzmán Cruz & al. (2003)

= *Coryphantha connivens* Britton & Rose, *Cactaceae* 4: 34. 1923 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria andreae* J.A.Purpus & Boed. in *Z. Sukkulenteenk.* 3: 251. 1928 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha andreae* (J.A.Purpus & Boed.) A.Berger, *Kakteen:* 271. 1929 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha ramillosa* Cutak in *Cact. Succ. J. (Los Angeles)* 14(12): 164, f. 96. 1942. Sec. Guzmán Cruz & al. (2003)**

– *Mammillaria ramillosa* (Cutak) D.Weniger, *Cacti Southw.:* 119. 1970, nom. inval. syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha ramillosa* subsp. *ramillosa*. Sec. Guzmán Cruz & al. (2003)**

***Coryphantha ramillosa* subsp. *santarosa* Dicht & A.Lüthy in *Kakteen And. Sukk.* 51(6): 141. 2000. Sec. Guzmán Cruz & al. (2003)**

***Coryphantha recurvata* (Engelm.) Britton & Rose, *Cactaceae* 4: 27. 1923. Sec. Guzmán Cruz & al. (2003)**

≡ *Mammillaria recurvata* Engelm. in *Trans. Acad. Sci. St. Louis* 2: 202. 1863 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus recurvatus* (Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 259. 1891 syn. sec. Kew WCVP (2019)

= *Coryphantha engelmannii* Lem., *Cactées:* 34. 1868 syn. sec. Kew WCVP (2019) ≡ *Cactus engelmannii* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)

***Coryphantha recurvata* subsp. *canatlanensis* Dicht & A.Lüthy in *Kakteen And. Sukk.* 54(3): 57. 2003. Sec. Guzmán Cruz & al. (2003)**

***Coryphantha recurvata* subsp. *recurvata*. Sec. Guzmán Cruz & al. (2003)**

***Coryphantha retusa* (Pfeiff.) Britton & Rose, *Cactaceae* 4: 38. 1923. Sec. Guzmán Cruz & al. (2003)**

≡ *Mammillaria retusa* Pfeiff. in *Allg. Gartenzeitung* 5: 369. 1837 syn. sec. Tropicicos ≡ *Cactus retusus* (Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Melocactus mammillariiformis* Salm-Dyck in *Allg. Gartenzeitung* 4(19): 148. 1836 syn. sec. Guzmán Cruz & al. (2003)

= *Melocactus cephalophora* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 137. 1845 syn. sec. Kew WCVP (2019)

= *Coryphantha melleospina* Bravo in *Anales Inst. Biol. Univ. Nac. Mexico* 25: 526. 1954 syn. sec. Hunt (2016) ≡ *Coryphantha retusa* var. *melleospina* (Bravo) Bravo in *Cact. Suc. Mex.* 27: 17. 1982 syn. sec. Korotkova (2021)

= *Coryphantha retusa* var. *pallidispina* Backeb., *Cactaceae* 6: 3874. 1962 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha robustispina* (Schott ex Engelm.) Britton & Rose, *Cactaceae* 4: 33. 1923. Sec. Guzmán Cruz & al. (2003)**

≡ *Mammillaria robustispina* Schott ex Engelm. in *Proc. Amer. Acad. Arts* 3: 265–266. 1856 ≡ *Cactus robustispinus* (Schott ex Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 ≡ *Coryphantha muehlenpfordtii* var. *robustispina* (Schott ex Engelm.)

W.T.Marshall, *Arizonas Cact.*, ed. 2: 94. 1953 ≡ *Coryphantha scheeri* var. *robustispina* (Schott ex Engelm.) L.D.Benson, *Cacti Ariz.*, ed. 3: 25. 1969 ≡ *Coryphantha muehlenpfordtii* subsp. *robustispina* (Schott ex Engelm.) Dicht in *Kakteen And. Sukk.* 47: 252. 1996

= *Echinocactus muehlenpfordtii* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Tropicos ≡ *Coryphantha muehlenpfordtii* (Poselg.) Britton & Rose, *Cactaceae* 4: 28. 1923 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha robustispina* subsp. *robustispina*.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha robustispina* subsp. *scheeri* (Lem.) N.P.Taylor in *Cactaceae Consensus Init.* 6: 18. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Coryphantha scheeri* Lem., *Cactées*: 35. 1868 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria scheeri* Muehlenpf. in Allg. Gartenzeitung 13: 346. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus scheeri* (Muehlenpf.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria scheeri* var. *valida* Engelm. in *Proc. Amer. Acad. Arts* 3: 265. 1856 syn. sec. Tropicos ≡ *Coryphantha scheeri* var. *valida* (Engelm.) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 234. 1969 syn. sec. Kew WCVP (2019)

= *Mammillaria engelmannii* Cory in *Rhodora* 38(455): 405. 1936 syn. sec. Guzmán Cruz & al. (2003)

= *Coryphantha neoscheeri* Backeb., *Cactaceae* 5: 3051. 1961 syn. sec. Guzmán Cruz & al. (2003)

= *Coryphantha scheeri* L.D.Benson, *Cacti Ariz.*, ed. 3: 25. 1969 syn. sec. Hunt (2006)

= *Coryphantha scheeri* var. *uncinata* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 234. 1969 syn. sec. Guzmán Cruz & al.

(2003) ≡ *Coryphantha muehlenpfordtii* subsp. *uncinata* (L.D.Benson) Dicht in *Kakteen And. Sukk.* 47: 98. 1996 syn. sec. Parfitt & Gibson (2003) ≡ *Coryphantha robustispina* subsp. *uncinata* (L.D.Benson) N.P.Taylor in *Cactaceae Consensus Init.* 6: 18. 1998 syn. sec. Kew WCVP (2019)

***Coryphantha salinensis* (Poselg.) Dicht & A.Lüthy in *Kakteen And. Sukk.* 49: 257. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus salinensis* Poselg. in Allg. Gartenzeitung 21: 106. 1853 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha poselgeriana* var. *salinensis* (Poselg.) L.Bremer in *Cact. Suc. Mex.* 22: 16. 1977 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria borwigii* J.A.Purpus in *Gartenflora* 76: 338. 1927 syn. sec. Tropicos ≡ *Coryphantha borwigii* (J.A.Purpus) A.Berger, *Kakteen*: 272. 1929 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha sulcata* (Engelm.) Britton & Rose, *Cactaceae* 4: 48. 1923.** Sec. Guzmán Cruz & al. (2003)

≡ *Mammillaria sulcata* Engelm. in *Boston J. Nat. Hist.* 5(2): 246. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus scolymoides* var. *sulcatus* (Engelm.) J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 116. 1894 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria radians* var. *sulcata* (Engelm.) K.Schum., *Gesamtbeschr. Kakt.*: 496. 1898 syn. sec. Tropicos ≡ *Cactus sulcatus* (Engelm.) Small, *Fl. S.E. U.S.*: 812. 1903 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria radians* f. *sulcata* (Engelm.) Schelle, *Handb. Kakteenkult.*: 241. 1907 ≡ *Coryphantha radians* var. *sulcata* (Engelm.) Y.Itô, *Cacti*, ed. 2: 115. 1952 syn. sec. Kew WCVP (2019) ≡ *Coryphantha sulcata* var. *sulcata*

= *Mammillaria calcarata* Engelm. in *Boston J. Nat. Hist.* 6: 195. 1850 syn. sec. Guzmán Cruz & al. (2003) ≡ *Coryphantha calcarata* (Engelm.) Lem., *Cactées*: 35. 1868 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus calcaratus* (Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 259. 1891 syn. sec. Guzmán Cruz & al. (2003)

= *Cactus kotschubeyi* Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria ramosissima* Quehl in *Monatsschr. Kakteenk.* 18: 127. 1908 syn. sec. Kew WCVP (2019)

= *Coryphantha roederiana* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 1: 153. 1929 syn. sec. Guzmán Cruz & al. (2003)

= *Coryphantha obscura* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 25. 1930 syn. sec. Guzmán Cruz & al. (2003)

= *Coryphantha speciosa* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 23. 1930 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha tripugionacantha* A.B.Lau in *Cact. Suc. Mex.* 33: 21. 1988.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha vaupeliana* Boed. in *Z. Sukkulantenk.* 3(10): 206–208. 1928 ["1927"].** Sec. Guzmán Cruz & al. (2003)

***Coryphantha vogtherriana* Werderm. & Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 32. 1932.** Sec. Guzmán Cruz & al. (2003)

***Coryphantha werdermannii* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 1: 155. 1929.** Sec. Guzmán Cruz & al. (2003)

= *Coryphantha werdermannii* subsp. *unguispina* Halda, Kupčák & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 34. 2000 syn. sec. Guzmán Cruz & al. (2003)

***Coryphantha wohlshlageri* Holzeis in *Kakteen And. Sukk.* 41(3): 50–52. 1990.** Sec. Guzmán Cruz & al. (2003)

***Cremonocereus* M.Lowry, Winberg & Gut.Romero in *Bradleya* 35: 254. 2017.** Sec. Lowry & Winberg (2017)

Type: *Cremonocereus albipilosus* M.Lowry & Winberg

Notes. – Monotypic, only recently described genus of columnar cacti from the Montane Dry Forest of Bolivia. So far, it has not been sampled in any published phylogenetic analysis; unpublished sequence data of Schlumpberger & al. confirm that it is indeed a separate lineage. [Schlumpberger (2021)]

***Cremonocereus albipilosus* M.Lowry & Winberg in *Bradleya* 35: 254. 2017.** Sec. Lowry & Winberg (2017)

***Cumarinia* (F.M.Knuth) Buxb. in *Oesterr. Bot. Z.* 98: 61. 1951.** Sec. Breslin & al. (2021)

Type: *Cumarinia odorata* (Boed.) Buxb.

Notes. – Monotypic; segregated from *Coryphantha* based on the results of Vázquez-Sánchez & al. (2013), shown to be sister to the Mammilloid clade by Breslin & al. (2021). [Majure (2021)]

Cumarinia odorata (Boed.) Buxb. in Oesterr. Bot. Z. 98: 87. 1951. Sec. Breslin & al. (2021)

≡ *Coryphantha odorata* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 169. 1930 syn. sec. Guzmán Cruz & al. (2003) ≡ *Neobesseyia odorata* (Boed.) Borg, Cacti, ed. 1: 303. 1937 syn. sec. Kew WCVP (2019) ≡ *Neolloydia odorata* (Boed.) Backeb. in Blätt. Kakteenf. 1937(3): 4. 1937 syn. sec. Guzmán Cruz & al. (2003) – *Neolloydia odonta* (Boed.) Backeb., nom. inval. syn. sec. Korotkova (2021)

Cumulopuntia F.Ritter, Kakteen Südamerika 2: 399. 1980. Sec. Hunt (2016)

Type: *Cumulopuntia ignescens* (Vaupel) F.Ritter

= *Sphaeropuntia* Guiggi in Cactology 3 (Suppl. II): 1. 2012 syn. sec. Hunt (2016)

Notes. – **Phylogenetics:** Griffith & Porter (2009) found no support for a monophyletic *Cumulopuntia*, but it was also not contradicted. *Cumulopuntia* was then confirmed as monophyletic by Ritz & al. (2012). *Cumulopuntia* falls in two clades in the molecular phylogeny, one consisting of *C. sphaerica* (C. F. Först.) E. F. Anderson and related taxa from the W Andean slopes of Chile and Peru, characterized by forming dwarf shrubs with easily detachable stem segments, and another consisting of *Cumulopuntia* s.str., characterized by growth in often dense cushions, with firmly attached stem segments (Griffith & Porter 2009; Ritz & al. 2012). For the *C. sphaerica* clade, the generic name *Sphaeropuntia* was recently published, but its circumscription is not yet fully resolved, and it thus better treated as synonym for the time being. [Hernández-Ledesma & al. (2015)]

Cumulopuntia boliviana (Salm-Dyck) F.Ritter, Kakteen Südamerika 2: 492. 1980. Sec. Hunt (2006)

≡ *Opuntia boliviana* Salm-Dyck in Allg. Gartenzeitung 13: 388. 1845 syn. sec. Hunt (2016) ≡ *Tephrocactus bolivianus* (Salm-Dyck) Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 41. 1935 syn. sec. Hunt (2016) ≡ *Maihueniopsis bolivianum* (Salm-Dyck) R.Kiesling in Darwiniana 25(1–4): 207–209, f. 12. 1984 syn. sec. Hunt (2016) ≡ *Austrocyliotropuntia boliviana* (Salm-Dyck) G.D.Rowley in Tephrocactus Study Group 12(3): 42. 2006 syn. sec. Hunt (2016)
 = *Opuntia cucumiformis* Griffiths in Bull. Torrey Bot. Club 43: 524. 1916 syn. sec. Kew WCVP (2019)
 = *Tephrocactus rarissimus* Backeb., Kaktus-ABC: 108, 410. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Opuntia rarissima* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Kew WCVP (2019)
 = *Tephrocactus wilkeanus* Backeb., Kaktus-ABC: 108, 410. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia wilkeana* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Hunt (2016)
 = *Tephrocactus minor* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Kew WCVP (2019)
 = *Tephrocactus pentlandii* var. *fuauxiianus* Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia pentlandii* var. *fuauxiiana* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Kew WCVP (2019) ≡ *Opuntia rossiana* var. *fuauxiiana* (Backeb.) Kiessling, Tephrocactus u. and. Feigenkakt.: 244. 2000 syn. sec. Kew WCVP (2019)
 = *Tephrocactus asplundii* Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Opuntia asplundii* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Hunt (2016)
 = *Tephrocactus pyrhhacanthus* var. *leucoluteus* Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Opuntia pyrhhacantha* var. *leucolutea* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Kew WCVP (2019)
 = *Tephrocactus microclados* Backeb., Cactaceae 6: 3599. 1962 syn. sec. Kew WCVP (2019)
 = *Tephrocactus catacanthus* Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Kew WCVP (2019)
 = *Tephrocactus curvispinus* Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Kew WCVP (2019)
 = *Tephrocactus flexispinus* Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Kew WCVP (2019)
 = *Tephrocactus melanacanthus* Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Kew WCVP (2019)
 = *Tephrocactus pentlandii* var. *adpressus* Backeb., Kakteenlex.: 427. 1966 syn. sec. Kew WCVP (2019)
 = *Tephrocactus virgultus* Backeb., Kakteenlex.: 430. 1966 syn. sec. Kew WCVP (2019)
 = *Cumulopuntia famatinensis* F.Ritter, Kakteen Südamerika 2: 400. 1980 syn. sec. Hunt (2016)
 = *Cumulopuntia pampana* F.Ritter, Kakteen Südamerika 2: 402. 1980 syn. sec. Hunt (2016)

Cumulopuntia boliviana subsp. boliviana. Sec. Hunt (2016)

= *Opuntia pentlandii* Salm-Dyck in Allg. Gartenzeitung 13: 387. 1845 syn. sec. Hunt (2016) ≡ *Tephrocactus pentlandii* (Salm-Dyck) Backeb., Kaktus-ABC: 108. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Cumulopuntia pentlandii* (Salm-Dyck) F.Ritter, Kakteen Südamerika 2: 488. 1980 syn. sec. Hunt (2016) ≡ *Maihueniopsis pentlandii* (Salm-Dyck) R.Kiesling in Darwiniana 25(1–4): 311. 1984 syn. sec. Hunt (2016)
 = *Opuntia pyrhhacantha* K.Schum., Gesamtbeschr. Kakt.: 694. 1898 syn. sec. Hunt (2016) ≡ *Tephrocactus pyrhhacanthus* (K.Schum.) Backeb., Cactaceae 1: 236. 1958 syn. sec. Hunt (2016) ≡ *Cumulopuntia pyrhhacantha* (K.Schum.) F.Ritter, Kakteen Südamerika 4: 1249. 1981 syn. sec. Hunt (2016)
 = *Opuntia subinermis* Backeb. in Blätt. Kakteenf. 1935(8): 6. 1935 syn. sec. Hunt (2016) ≡ *Tephrocactus subinermis* Backeb., Kaktus-ABC: 108, 410. 1936 ["1935"] syn. sec. Kiesling & al. (2014)
 = *Tephrocactus fulvicomus* var. *bicolor* Rauh & Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Korotkova (2021) ≡ *Tephrocactus bicolor* (Rauh & Backeb.) Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958: 223. 1958 syn. sec. Korotkova (2021) ≡ *Opuntia fulvicoma* var. *bicolor* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 syn. sec. Kew WCVP (2019)
 = *Opuntia backebergii* G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 syn. sec. Hunt (2016)
 = *Tephrocactus fulvicomus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 220. 1958 syn. sec. Hunt (2016) ≡ *Opuntia fulvicoma* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 syn. sec. Hunt (2016) ≡ *Cumulopuntia fulvicoma* (Rauh & Backeb.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 324. 1999 syn. sec. Hunt (2016)
 = *Cumulopuntia galerasensis* F.Ritter, Kakteen Südamerika 4: 1249. 1981 syn. sec. Hunt (2016) ≡ *Opuntia galerasensis* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016)

– *Cactus pentlandii* Lem., *Cactées*: 88. 1868, nom. nud. syn. sec. Kiesling & al. (2014)

***Cumulopuntia boliviana* subsp. *dactylifera* (Vaupel) D.R.Hunt in *Cactaceae Syst. Init.* 14: 12. 2002.** Sec. Hunt (2016)

≡ *Opuntia dactylifera* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 29. 1913 syn. sec. Hunt (2016) ≡ *Tephrocactus dactyliferus* (Vaupel) Backeb., *Cactaceae* 1: 320. 1958 syn. sec. Tropicos ≡ *Cumulopuntia pentlandii* var. *dactylifera* (Vaupel) F.Ritter, *Kakteen Südamerika* 2: 490. 1980 syn. sec. Hunt (2016) ≡ *Cumulopuntia dactylifera* (Vaupel) E.F.Anderson in *Cact. Succ. J.* (Los Angeles) 71: 324. 1999 syn. sec. Hunt (2016) – *Tephrocactus dactylifer* (Vaupel) Backeb., *Cactaceae* 1: 320. 1958 syn. sec. Korotkova (2021) [is orthographic variant for *Tephrocactus dactyliferus* (Vaupel) Backeb.]

= *Tephrocactus cylindarticulatus* Cárdenas in *Natl. Cact. Succ. J.* 7: 75. 1952 syn. sec. Hunt (2016) ≡ *Opuntia cylindarticulata* (Cárdenas) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Hunt (2016)

= *Tephrocactus duvalioides* Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia duvalioides* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)

= *Tephrocactus duvalioides* var. *albispinus* Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia duvalioides* var. *albispina* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)

= *Tephrocactus noodtiae* Backeb. & H.Jacobsen, *Descr. Cact. Nov.*: 8. 1957 syn. sec. Kew WCVP (2019) ≡ *Opuntia noodtiae* (Backeb. & H.Jacobsen) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Kew WCVP (2019)

***Cumulopuntia boliviana* subsp. *echinacea* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 14: 12. 2002.** Sec. Hunt (2016)

≡ *Tephrocactus echinaceus* F.Ritter in *Taxon* 13: 145. 1964 syn. sec. Hunt (2016) ≡ *Cumulopuntia echinacea* (F.Ritter) F.Ritter, *Kakteen Südamerika* 3: 884. 1980 syn. sec. Hunt (2016) ≡ *Opuntia echinacea* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 248. 1989 syn. sec. Hunt (2016) ≡ *Maihueniopsis boliviana* subsp. *echinacea* (F.Ritter) Faúndez & R.Kiesling in *Darwiniana* 45: 237. 2007

***Cumulopuntia boliviana* subsp. *ignescens* (Vaupel) D.R.Hunt in *Cactaceae Syst. Init.* 14: 12. 2002.** Sec. Hunt (2016)

≡ *Opuntia ignescens* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 30. 1913 syn. sec. Hunt (2016) ≡ *Tephrocactus ignescens* (Vaupel) Backeb., *Kaktus-ABC*: 108. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Cumulopuntia ignescens* (Vaupel) F.Ritter, *Kakteen Südamerika* 3: 880. 1980 syn. sec. Hunt (2016) ≡ *Maihueniopsis boliviana* subsp. *ignescens* (Vaupel) Faúndez & R.Kiesling in *Darwiniana* 45: 237. 2007 syn. sec. Kew WCVP (2019)

= *Tephrocactus longiarticulatus* Backeb., *Descr. Cact. Nov.* 3: 15. 1963 syn. sec. Kew WCVP (2019)

= *Cumulopuntia frigida* F.Ritter, *Kakteen Südamerika* 2: 493. 1980 syn. sec. Hunt (2016) ≡ *Opuntia frigida* (F.Ritter) G.Navarro in *Lazaroa* 17: 66. 1996 syn. sec. Hunt (2016)

= *Cumulopuntia hystrix* F.Ritter, *Kakteen Südamerika* 3: 883. 1980 syn. sec. Hunt (2016)

= *Cumulopuntia ticnamarensis* F.Ritter, *Kakteen Südamerika* 3: 885. 1980 syn. sec. Hunt (2016) ≡ *Opuntia ticnamarensis* (F.Ritter) D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Hunt (2016)

= *Cumulopuntia tortispina* F.Ritter, *Kakteen Südamerika* 3: 882. 1980 syn. sec. Hunt (2016)

= *Opuntia guatienensis* D.R.Hunt in *Cactaceae Consensus Init.* 4: 5. 1997 syn. sec. Hunt (2016)

= *Opuntia guatinensis* D.R.Hunt in *Cactaceae Consensus Init.* 4: 5. 1997 syn. sec. Kew WCVP (2019)

= *Opuntia sanctae-barbarae* D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Hunt (2016)

= *Tephrocactus ignescens* var. *steinianus* Backeb., *Descr. Cact. Nov.* 1: 9. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Cumulopuntia chichensis* (Cárdenas) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 324. 1999.** Sec. Kiesling & al. (2014)

≡ *Tephrocactus chichensis* Cárdenas in *Natl. Cact. Succ. J.* 7: 75. 1952 syn. sec. Kiesling & al. (2014) ≡ *Opuntia chichensis* (Cárdenas) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia chichensis* (Cárdenas) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kiesling & al. (2014)

= *Tephrocactus chichensis* var. *colchanus* Cárdenas in *Natl. Cact. Succ. J.* 7: 75. 1952 syn. sec. Kiesling & al. (2014) ≡ *Opuntia chichensis* var. *colchana* (Cárdenas) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kiesling & al. (2014) ≡ *Cumulopuntia pentlandii* var. *colchana* (Cárdenas) F.Ritter, *Kakteen Südamerika* 2: 491. 1980

= *Tephrocactus ferocior* Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. Kiesling & al. (2014) ≡ *Opuntia ferocior* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kiesling & al. (2014)

= *Tephrocactus albiscoparius* Backeb., *Cactaceae* 6: 3599. 1962 syn. sec. Kiesling & al. (2014)

***Cumulopuntia corotilla* (K.Schum. ex Vaupel) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 324. 1999.** Sec. Hunt (2016)

≡ *Opuntia corotilla* K.Schum. ex Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 28. 1913 syn. sec. Hunt (2016) ≡ *Tephrocactus corotilla* (K.Schum. ex Vaupel) Backeb., *Kaktus-ABC*: 112. 1936 ["1935"] syn. sec. Tropicos

= *Tephrocactus mistienseis* Backeb., *Kaktus-ABC*: 110, 410. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia mistienseis* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Hunt (2016) ≡ *Cumulopuntia mistienseis* (Backeb.) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71: 324. 1999 syn. sec. Hunt (2016)

= *Tephrocactus corotilla* var. *aurantiaciflorus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 225. 1958 syn. sec. Tropicos ≡ *Opuntia corotilla* var. *aurantiaciflora* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Tropicos

***Cumulopuntia glomerata* (Pfeiff.) Hoxey in *Bradleya* 2020(38): 118. 2020.** Sec. Hoxey (2020)

≡ *Pereskia glomerata* Pfeiff., *Observ. Bot.* 1: 452. 1834 syn. sec. Hoxey (2020)

***Cumulopuntia ignota* (Britton & Rose) F.Ritter, *Kakteen Südamerika* 4: 1250. 1981.** Sec. Hunt (2016)

≡ *Opuntia ignota* Britton & Rose, *Cactaceae* 1: 99. 1919 syn. sec. Hunt (2016) ≡ *Tephrocactus ignotus* (Britton & Rose) Backeb., *Kaktus-ABC*: 111. 1936 ["1935"] syn. sec. Kew WCVP (2019)

***Cumulopuntia iturbicola* G.J.Charles in *Cactaceae Syst. Init.* 25: 12. 2011. Sec. Hunt (2016)**

***Cumulopuntia leucophaea* (Phil.) Hoxey in *Tephrocactus Study Group* 15(4): 57. 2009. Sec. Hunt (2016)**

≡ *Opuntia leucophaea* Phil. in *Anales Mus. Nac. Santiago de Chile* 1891: 27. 1891 syn. sec. Hunt (2016) ≡ *Sphaeropuntia sphaerica* subsp. *leucophaea* (Phil.) Guiggi in *Cactology* 3 (Suppl. II): 1. 2012

= ?*Opuntia rahmeri* Phil. in *Anales Mus. Nac., Santiago de Chile* 1: 27. 1891 syn. sec. Hunt (2016) ≡ ?*Maihuegniopsis rahmeri* (Phil.) F.Ritter, *Kakteen Südamerika* 3: 874. 1980 syn. sec. Hunt (2016)

***Cumulopuntia rossiana* (Heinrich & Backeb.) F.Ritter, *Kakteen Südamerika* 2: 486. 1980. Sec. Hunt (2016)**

≡ *Tephrocactus pentlandii* var. *rossianus* Heinrich & Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. Hunt (2016) ≡ *Opuntia pentlandii* var. *rossiana* (Heinrich & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 6. 1958 ≡ *Opuntia rossiana* (Heinrich & Backeb.) D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Hunt (2016) ≡ *Austrocylindropuntia rossiana* (Heinrich & Backeb.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Hunt (2016) – *Tephrocactus pentlandii* var. *rossiana* Heinrich & Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. TPL (2013) [is orthographic variant for *Tephrocactus pentlandii* var. *rossianus* Heinrich & Backeb.]

***Cumulopuntia sphaerica* (C.F.Först.) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 324. 1999. Sec. Hunt (2016)**

≡ *Opuntia sphaerica* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 167. 1861 syn. sec. Hunt (2006) ≡ *Tephrocactus sphaericus* (C.F.Först.) Backeb., *Kaktus-ABC*: 111. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Austrocylindropuntia sphaerica* (C.F.Först.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Hunt (2016) ≡ *Sphaeropuntia sphaerica* (C.F.Först.) Guiggi in *Cactology* 3 (Suppl. II): 1. 2012 syn. sec. Korotkova (2021)

= *Tephrocactus sphaericus* var. *glauca* Backeb., *Descr. Cact. Nov.* 3: 15. 1963 syn. sec. Kew WCVP (2019)

= *Tephrocactus multiareolatus* F.Ritter in *Taxon* 13(4): 144–145. 1964 syn. sec. Hunt (2016) ≡ *Cumulopuntia multiareolata* (F.Ritter) F.Ritter, *Kakteen Südamerika* 4: 1252. 1981 syn. sec. Hunt (2016)

= *Cumulopuntia tubercularis* F.Ritter, *Kakteen Südamerika* 3: 888. 1980 syn. sec. Hunt (2016)

= *Cumulopuntia tubercularis* var. *transiens* F.Ritter, *Kakteen Südamerika* 3: 888. 1980 syn. sec. Hunt (2016)

= *Cumulopuntia tumida* F.Ritter, *Kakteen Südamerika* 4: 1254. 1981 syn. sec. Hunt (2016) ≡ *Opuntia tumida* (F.Ritter) D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Hunt (2016) ≡ *Sphaeropuntia sphaerica* subsp. *tumida* (F.Ritter) Guiggi in *Cactology* 5 (Suppl. II): 2. 2016 syn. sec. Kew WCVP (2019)

– *Opuntia staffordiae* Bullock in *Cact. J. (London)* 8: 15. 1939, nom. inval. syn. sec. Kew WCVP (2019) – *Tephrocactus staffordiae* (Bullock) Backeb. in *Cactus (Paris)* 38: 250. 1953, nom. inval. syn. sec. Kew WCVP (2019)

= *Opuntia dimorpha* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 167. 1861 syn. sec. Britton & Rose (1919) ≡ *Tephrocactus dimorphus* (C.F.Först.) Backeb., *Stachelige Wildnis*: 190. 1942 syn. sec. Tropicos

= *Opuntia leonina* F.Haage & M.Schmidt ex Rümpler, *Handb. Cacteenk.*, ed. 2: 974. 1885 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus leoninus* (F.Haage & E.Schmidt ex Rümpler) Backeb., *Cactaceae* 6: 3596. 1962 syn. sec. Kew WCVP (2019)

= *Opuntia rauppiana* K.Schum. in *Monatsschr. Kakteenk.* 9: 118. 1899 syn. sec. Hunt (2016) ≡ *Tephrocactus rauppianus* (K.Schum.) Backeb., *Kaktus-ABC*: 109. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia sphaerica* var. *rauppiana* (K.Schum.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(2): 25. 1958 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus sphaericus* var. *rauppianus* (K.Schum.) Backeb., *Cactaceae* 1: 298. 1958 syn. sec. Kew WCVP (2019) ≡ *Cumulopuntia rauppiana* (K.Schum.) F.Ritter, *Kakteen Südamerika* 4: 1252. 1981 syn. sec. Hunt (2016)

= *Opuntia campestris* Britton & Rose, *Cactaceae* 1: 99, f. 120. 1919 syn. sec. Hunt (2016) ≡ *Tephrocactus campestris* (Britton & Rose) Backeb., *Kaktus-ABC*: 111. 1936 ["1935"] syn. sec. Hunt (2016)

= *Opuntia kuehnrichiana* Werderm. & Backeb., *Neue Kakteen*: 64. 1931 syn. sec. Hunt (2016) ≡ *Tephrocactus kuehnrichianus* (Werderm. & Backeb.) Backeb., *Kaktus-ABC*: 106. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Tephrocactus kuehnrichianus* (Werderm. & Backeb.) Backeb., *Kaktus-ABC*: 110. 1936 ["1935"] syn. sec. Kew WCVP (2019) – *Cumulopuntia kuehnrichiana* (Werderm. & Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1253. 1981, nom. inval. syn. sec. Hunt (2016)

= *Opuntia kuehnrichiana* var. *applanata* Werderm. & Backeb., *Neue Kakteen*: 64. 1931 syn. sec. Kew WCVP (2019) ≡

Tephrocactus kuehnrichianus var. *applanatus* (Werderm. & Backeb.) Backeb., *Kaktus-ABC*: 111. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Tephrocactus pseudorauppianus* Backeb., *Kaktus-ABC*: 410. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Opuntia dimorpha* var. *pseudorauppiana* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 25. 1958 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus dimorphus* var. *pseudorauppianus* (Backeb.) Backeb., *Cactaceae* 1: 301. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia unguispina* Backeb. in *Blätt. Kakteenf.* 1937(7): 7, genus 10, subg. V, sp. 7. 1937 syn. sec. Hunt (2016) ≡

Tephrocactus unguispinus (Backeb.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 15. 1951 syn. sec. Kew WCVP (2019) ≡

Opuntia sphaerica var. *unguispinata* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(2): 25. 1958 syn. sec. Kew WCVP (2019) ≡

Tephrocactus sphaericus var. *unguispinus* (Backeb.) Backeb., *Cactaceae* 1: 297. 1958 – *Cumulopuntia unguispina* F.Ritter, *Kakteen Südamerika* 4: 1251. 1981, nom. inval. syn. sec. Hunt (2016)

= *Tephrocactus muellerianus* Backeb., *Descr. Cact. Nov.* 1: 8. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Opuntia muelleriana* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 6. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia mira* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. IPNI ≡ *Tephrocactus mirus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 199. 1958 syn. sec. Kew WCVP (2019)

= *Tephrocactus crassicylindricus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 200. 1958 syn. sec. Hunt (2016) ≡ *Opuntia crassicylindrica* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13(1): 5. 1958 syn. sec. Hunt (2016) ≡ *Cumulopuntia crassicylindrica* (Rauh & Backeb.) F.Ritter ex Eggli in Novon 15: 277. 2005 syn. sec. Hunt (2016) ≡ *Sphaeropuntia sphaerica* subsp. *crassicylindrica* (Rauh & Backeb.) Guiggi in Cactology 5 (Suppl. II): 2. 2016 syn. sec. Korotkova (2021) – *Cumulopuntia crassicylindrica* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1254. 1981, nom. inval. syn. sec. Hunt (2016)

= *Tephrocactus alboareolatus* F.Ritter in Backeberg, Descr. Cact. Nov. 3: 14. 1963 syn. sec. Hunt (2016) ≡ *Cumulopuntia alboareolata* (F.Ritter) F.Ritter, Kakteen Südamerika 4: 1249. 1981 syn. sec. Hunt (2016)

***Cumulopuntia subterranea* (R.E.Fr.) F.Ritter, Kakteen Südamerika 2: 401. 1980.** Sec. Hunt (2016)

≡ *Opuntia subterranea* R.E.Fr. in Nova Acta Regiae Soc. Sci. Upsal. ser. 4, 1(1): 122. 1905 syn. sec. Hunt (2016) ≡ *Pseudotephrocactus subterraneus* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 40. 1935 syn. sec. Hunt (2016) ≡ *Tephrocactus subterraneus* (R.E.Fr.) Backeb., Kaktus-ABC: 110. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Maihueniopsis subterranea* (R.E.Fr.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 325. 1999 syn. sec. Hunt (2016) ≡ *Puna subterranea* (R.E.Fr.) R.Kiesling in Hickenia 1: 293. 1982 syn. sec. Tropicos

= *Pseudotephrocactus subterraneus* var. *brevispinus* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 40. 1935 syn. sec. Kew WCVP (2019)

= *Pseudotephrocactus subterraneus* var. *inermis* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 40. 1935 syn. sec. Kew WCVP (2019)

= *Tephrocactus variiflorus* Backeb., Cactaceae 6: 3594. 1962 syn. sec. Hunt (2016)

***Cumulopuntia subterranea* subsp. *pulcherrima* (Halda & Horáček) G.J.Charles in Cactaceae Syst. Init. 25: 16. 2011.** Sec. Hunt (2016)

≡ *Tephrocactus pulcherrimus* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7(2): 75. 2000 syn. sec. Hunt (2016) ≡ *Maihueniopsis subterranea* subsp. *pulcherrima* (Halda & Horáček) M.Lowry in Tephrocactus Study Group 10: 55. 2004

***Cumulopuntia subterranea* subsp. *subterranea*.** Sec. Hunt (2016)

***Cumulopuntia zehnderi* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1249. 1981.** Sec. Hunt (2016)

≡ *Tephrocactus zehnderi* Rauh & Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Opuntia zehnderi* (Rauh & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Hunt (2016) ≡ *Sphaeropuntia zehnderi* (Rauh & Backeb.) Guiggi in Cactology 3 (Suppl. II): 1. 2012 syn. sec. Korotkova (2021)

***Cylindropuntia* (Engelm.) F.M.Knuth, Nye Kaktusbog: 102. 1930.** Sec. Majure & al. (2019)

Type: *Cylindropuntia arborescens* (Engelm.) F.M.Knuth

≡ *Opuntia* subg. *Cylindropuntia* Engelm. in Proc. Amer. Acad. Arts 3: 302. 1856

Notes. – Griffith & Porter (2009) found no support for a monophyletic *Cylindropuntia* based on combined nuclear and plastid markers, while Bárcenas & al. (2011, 2015) found a monophyletic *Cylindropuntia* with high to maximal support based on plastid data only. Majure et al. (2019) showed that *Cylindropuntia* was indeed monophyletic and sister to *Grusonia* s.l., and *Micropuntia* was sister to the *Grusonia* + *Cylindropuntia* clade. See also under *Grusonia* and *Micropuntia*. [Majure (2021)]

***Cylindropuntia abyssii* (Hester) Backeb., Cactaceae 1: 184. 1958.** Sec. Parfitt & Gibson (2003)

≡ *Opuntia abyssii* Hester in Cact. Succ. J. (Los Angeles) 15(12): 193–194. 1943 syn. sec. Parfitt & Gibson (2003) ≡ *Grusonia abyssii* (Hester) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia acanthocarpa* (Engelm. & J.M.Bigelow) F.M.Knuth, Kaktus-ABC: 124. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia acanthocarpa* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 308. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia acanthocarpa* (Engelm. & J.M.Bigelow) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia acanthocarpa* subsp. *acanthocarpa*.** Sec. Baker & al. (2019)

= *Opuntia echinocarpa* var. *major* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 305–306. 1856 syn. sec. Baker & al. (2019) ≡ *Opuntia acanthocarpa* var. *major* (Engelm. & J.M.Bigelow) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia acanthocarpa* var. *major* (Engelm. & J.M.Bigelow) Pinkava in J. Arizona-Nevada Acad. Sci. 32: 42. 1999 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia acanthocarpa* subsp. *major* (Engelm. & J.M.Bigelow) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003 syn. sec. Baker & al. (2019)

= *Opuntia acanthocarpa* var. *coloradensis* L.D.Benson, Cacti Ariz., ed. 3: 20, 34, f. 1.4–1.6. 1969 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia acanthocarpa* var. *coloradensis* (L.D.Benson) Pinkava in J. Arizona-Nevada Acad. Sci. 32: 42. 1999 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia acanthocarpa* subsp. *coloradensis* (L.D.Benson) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003 syn. sec. Baker & al. (2019)

= *Opuntia echinocarpa* var. *robustior* J.M.Coult. syn. sec. Baker & al. (2019)

***Cylindropuntia acanthocarpa* subsp. *ramosa* (Peebles) M.A.Baker & Cloud-H. in Madroño 66: 93. 2019.** Sec. Baker & al. (2019)

≡ *Opuntia acanthocarpa* var. *ramosa* Peebles in Cact. Succ. J. (Los Angeles) 9: 37. 1937 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia acanthocarpa* var. *ramosa* (Peebles) Backeb., Cactaceae 1: 181. 1958 syn. sec. Baker & al. (2019)

***Cylindropuntia acanthocarpa* subsp. *thornberi* (Thornber & Bonker) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 3. 2013.** Sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

≡ *Opuntia thornberi* Thornber & Bonker, *Fantast. Clan*: 133, 148, f. p. 135. 1932 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia acanthocarpa* var. *thornberi* (Thornber & Bonker) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25(2): 247. 1944 syn. sec. Parfitt & Gibson (2003) ≡ *Cylindropuntia acanthocarpa* var. *thornberi* (Thornber & Bonker) Backeb., *Cactaceae* 1: 184. 1958 syn. sec. Parfitt & Gibson (2003)

***Cylindropuntia alcahes* (F.A.C.Weber) F.M.Knuth, *Kaktus-ABC*: 127. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia alcahes* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 1: 321. 1895 syn. sec. Hernández & al. (2014) ≡ *Grusonia alcahes* (F.A.C.Weber) G.D.Rowley in *Tephrocactus Study Group* 12(3): 43. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia brevispina* H.E.Gates in *Cact. Succ. J. (Los Angeles)* 10: 98. 1993 syn. sec. Hunt (2016) ≡ *Cylindropuntia brevispina* (H.E.Gates) Backeb., *Cactaceae* 1: 205. 1958 syn. sec. Hunt (2016)

***Cylindropuntia alcahes* subsp. *alcahes*.** Sec. Guzmán Cruz & al. (2003)

***Cylindropuntia alcahes* subsp. *burrageana* (Britton & Rose) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Opuntia burrageana* Britton & Rose, *Cactaceae* 1: 70–71, t. 14, f. 1. 1919 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia burrageana* (Britton & Rose) Backeb., *Cactaceae* 1: 205. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia alcahes* var. *burrageana* (Britton & Rose) Rebman in *J. Arizona-Nevada Acad. Sci.* 34: 45. 2002 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia alcahes* subsp. *gigantensis* (Rebman) Rebman in *Madroño* 66: 93. 2019.** Sec. Baker & al. (2019)

≡ *Cylindropuntia alcahes* var. *gigantensis* Rebman in *J. Arizona-Nevada Acad. Sci.* 33: 150. 2001 syn. sec. Baker & al. (2019) – *Cylindropuntia alcahes* subsp. *gigantensis* (Rebman) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003, nom. inval. syn. sec. Baker & al. (2019)

***Cylindropuntia alcahes* subsp. *mcgillii* (Rebman) Rebman in *Madroño* 66: 93. 2019.** Sec. Baker & al. (2019)

≡ *Cylindropuntia alcahes* var. *mcgillii* Rebman in *J. Arizona-Nevada Acad. Sci.* 33: 150. 2001 syn. sec. Baker & al. (2019) – *Cylindropuntia alcahes* subsp. *mcgillii* (Rebman) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003, nom. inval. syn. sec. Baker & al. (2019)

***Cylindropuntia anteojoensis* (Pinkava) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 324. 1999.** Sec. Hernández & al. (2014)

≡ *Opuntia anteojoensis* Pinkava in *Madroño* 23(5): 293, f. 5. 1976 syn. sec. Hernández & al. (2014) ≡ *Grusonia anteojoensis* (Pinkava) G.D.Rowley in *Tephrocactus Study Group* 12(3): 43. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia* ×*antoniae* P.V.Heath in *Calyx* 4: 142. 1994.** Sec. Hunt (2016)

***Cylindropuntia arbuscula* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 123. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia arbuscula* Engelm. in *Proc. Amer. Acad. Arts* 3: 309. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia arbuscula* (Engelm.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 43. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia* ×*neoarbuscula* Griffiths in *Rep. (Annual) Missouri Bot. Gard.* 19: 260. 1908 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia* ×*neoarbuscula* (Griffiths) F.M.Knuth, *Kaktus-ABC*: 123. 1936 ["1935"] syn. sec. Korotkova (2021) ≡ *Grusonia* ×*neoarbuscula* (Griffiths) G.D.Rowley in *Tephrocactus Study Group* 12(3): 44. 2006 syn. sec. Hunt (2016)

= *Opuntia* ×*vivipara* Rose in *Smithsonian Misc. Collect.* 52: 153. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia* ×*vivipara* (Rose) F.M.Knuth, *Kaktus-ABC*: 124. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Grusonia* ×*vivipara* (Rose) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006 syn. sec. Hunt (2016)

***Cylindropuntia bernardina* (Engelm. ex Parish) M.A. Baker, Cloud-H., and Rebman in *Haseltonia* 25: 13. 2018**

≡ *Opuntia bernardina* Engelm. ex Parish in *Bull. Torrey Bot. Club* 19(3): 92. 1892 syn. sec. Baker & Pinkava ≡ *Opuntia parryi* var. *bernardina* (Engelm. ex Parish) Borg, *Cacti*, ed. 2: 107. 1951

= *Opuntia echinocarpa* var. *parkeri* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(7): 446. 1896 syn. sec. Majure (2021) ≡ *Opuntia parkeri* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 446. 1896 syn. sec. Majure (2021) ≡ *Opuntia californica* var. *parkeri* (J.M.Coult.) Pinkava in *Haseltonia* 4: 103. 1996 syn. sec. Majure (2021) ≡ *Cylindropuntia californica* var. *parkeri* (J.M.Coult.) Pinkava in *J. Arizona-Nevada Acad. Sci.* 33: 150. 2001 syn. sec. Majure (2021) ≡ *Cylindropuntia californica* subsp. *parkeri* (J.M.Coult.) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003 syn. sec. Majure (2021)

***Cylindropuntia bigelovii* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia bigelovii* Engelm. in *Proc. Amer. Acad. Arts* 3: 307. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia bigelovii* (Engelm.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 43. 2006 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia bigelovii* subsp. *bigelovii* ≡ *Cylindropuntia bigelovii* var. *bigelovii* – *Opuntia bigelovii* Engelm. in *Pacif. Railr. Rep. Parke, Bot.* 4(5): 50. 1857 syn. sec. Hernández & al. (2014) [is later isonym of *Opuntia bigelovii* Engelm.]

= *Opuntia bigelovii* var. *hoffmannii* Fosberg in *Bull. S. Calif. Acad. Sci.* 32: 121. 1933 syn. sec. Tropicos ≡ *Opuntia fulgida* var. *hoffmannii* (Fosberg) L.D.Benson, *Cact. Calif.*: 106. 1969 syn. sec. Tropicos

***Cylindropuntia californica* (Torr. & A.Gray) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Cereus californicus* Torr. & A.Gray, Fl. N. Amer. 1(4): 555. 1840 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus californicus* Torr. & A.Gray, Fl. N. Amer. 1(4): 555. 1840 ≡ *Cephalocereus californicus* (Torr. & A.Gray) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 182. 1894 syn. sec. Kew WCVP (2019) ≡ *Opuntia californica* (Torr. & A.Gray) Coville in Proc. Biol. Soc. Washington 13(26): 119. 1899 syn. sec. Guzmán Cruz & al. (2003) ≡ *Grusonia californica* (Torr. & A.Gray) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia californica* var. *californica*

Cylindropuntia californica* subsp. *californica*.** Sec. Guzmán Cruz & al. (2003)Cylindropuntia californica* subsp. *rosarica* (G.E.Linds.) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Opuntia rosarica* G.E.Linds. in Cact. Succ. J. (Los Angeles) 14: 56. 1942 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia rosarica* (G.E.Linds.) Backeb., Cactaceae 1: 185. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia californica* var. *rosarica* (G.E.Linds.) Rebman in J. Arizona-Nevada Acad. Sci. 34: 45. 2002 syn. sec. Guzmán Cruz & al. (2003)

= *Grusonia hamiltonii* H.E.Gates ex Backeb., Cactaceae 1: 210. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia hamiltonii* (H.E.Gates ex Backeb.) Backeb., Cactaceae 1: 213. 1958 syn. sec. Kew WCVP (2019) ≡ ?*Opuntia hamiltonii* (H.E.Gates ex Backeb.) G.D.Rowley in Nat. Cact. & Succ. Journ. 13: 25. 1958 syn. sec. Guzmán Cruz & al. (2003) – *Grusonia hamiltonii* W.T.Marshall in Marshall & Bock, Cactaceae: 68. 1941, nom. inval. syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia calmalliana* (J.M.Coult.) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia calmalliana* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 453. 1896 syn. sec. Hernández & al. (2014)

***Cylindropuntia* ×*campii* (M.A.Baker & Pinkava) M.A.Baker & Pinkava in J. Arizona-Nevada Acad. Sci. 33: 150. 2001.** Sec. Hunt (2016)

≡ *Opuntia* ×*campii* M.A.Baker & Pinkava in Cact. Succ. J. (Los Angeles) 71(6): 320–322, figs. 1–6. 1999 syn. sec. Kew WCVP (2019)

***Cylindropuntia caribaea* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 123. 1936 ["1935"].** Sec. Hunt (2016)

≡ *Opuntia caribaea* Britton & Rose, Cactaceae 1: 49, f. 59. 1919 syn. sec. Hunt (2016) ≡ *Grusonia caribaea* (Britton & Rose) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia metuenda* Pittier in J. Wash. Acad. Sci. 26: 41. 1936 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia metuenda* (Pittier) Backeb., Cactaceae 1: 174. 1958 syn. sec. Kew WCVP (2019)

Cylindropuntia cedrosensis* Rebman in Madroño 62(1): 53. 2015.** Sec. Hunt (2016)Cylindropuntia cholla* (F.A.C.Weber) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia cholla* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 1: 320. 1895 syn. sec. Hernández & al. (2014) ≡ *Grusonia cholla* (F.A.C.Weber) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

Cylindropuntia chuckwallensis* M.A.Baker & Cloud-H. in Madroño 61: 237. 2014.** Sec. Baker & Cloud-Hughes (2014)Cylindropuntia ciribe* (Engelm.) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia ciribe* Engelm. in Contr. U.S. Natl. Herb. 3: 445. 1896 syn. sec. Hernández & al. (2014) ≡ *Cylindropuntia bigelovii* var. *ciribe* (Engelm. ex J.M.Coult.) Rebman in J. Arizona-Nevada Acad. Sci. 34: 45. 2002 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia bigelovii* subsp. *ciribe* (Engelm. ex J.M.Coult.) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia bigelovii* var. *ciribe* W.T.Marshall syn. sec. Tropicos

***Cylindropuntia davisii* (Engelm. & J.M.Bigelow) F.M.Knuth, Kaktus-ABC: 124. 1936 ["1935"].** Sec. Parfitt & Gibson (2003)

≡ *Opuntia davisii* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 305. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia tunicata* var. *davisii* (Engelm. & J.M.Bigelow) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 124. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Grusonia davisii* (Engelm. & J.M.Bigelow) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia delgadilloana* Rebman & Pinkava in J. Arizona-Nevada Acad. Sci. 332: 154. 2001.** Sec. Majure & al. (2019)

≡ *Cylindropuntia californica* var. *delgadilloana* (Rebman & Pinkava) Rebman in J. Arizona-Nevada Acad. Sci. 34: 45. 2002 syn. sec. Majure & al. (2019) ≡ *Cylindropuntia californica* subsp. *delgadilloana* (Rebman & Pinkava) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003 syn. sec. Majure & al. (2019)

***Cylindropuntia* ×*deserta* (Griffiths) Pinkava in J. Arizona-Nevada Acad. Sci. 32: 42. 1999.** Sec. Hunt (2016)

≡ *Opuntia* ×*deserta* Griffiths in Monatsschr. Kakteenk. 23: 132. 1913 syn. sec. Kew WCVP (2019) ≡ *Grusonia* ×*deserta* (Griffiths) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia echinocarpa* (Engelm. & J.M.Bigelow) F.M.Knuth, Kaktus-ABC: 124. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia echinocarpa* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 305–306. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia echinocarpa* (Engelm. & J.M.Bigelow) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

= *Cactus echinocarpus* Lem., Cactées: 88. 1868 syn. sec. Britton & Rose (1923)

= *Opuntia echinocarpa* var. *nuda* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 446–447. 1896 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia wigginsii* L.D.Benson, Cacti Ariz., ed. 3: 19, 32, f. 1.3. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia wigginsii* (L.D.Benson) H.Rob. in Phytologia 26: 175. 1973 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia* ×*fosbergii* (C.B.Wolf) Rebman, M.A.Baker & Pinkava in J. Arizona-Nevada Acad. Sci. 33: 150. 2001.** Sec. Hunt (2016)

≡ *Opuntia* ×*fosbergii* C.B.Wolf in Occas. Pap. Rancho Santa Ana Bot. Gard. 1(2): 79. 1938 syn. sec. Hunt (2016) ≡ *Grusonia* ×*fosbergii* (C.B.Wolf) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006

***Cylindropuntia fulgida* (Engelm.) F.M.Knuth, Kaktus-ABC: 126. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia fulgida* Engelm. in Proc. Amer. Acad. Arts 3: 306-307. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia fulgida* (Engelm.) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia fulgida* var. *fulgida*

= *Opuntia mamillata* A.Schott ex Engelm. in Proc. Amer. Acad. Arts 3: 308. 1856 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia mamillata* Engelm., Syn. Cact. U.S.: 52. 1856 syn. sec. Kew WCVP (2019) ≡ *Opuntia fulgida* var. *mamillata* (A.Schott ex Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 449. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia fulgida* var. *mamillata* (A.Schott ex Engelm.) Backeb., Cactaceae 1: 204. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia fulgida* f. *mamillata* (A.Schott ex Engelm.) Guiggi & Verloove in Bradleya 35: 60. 2017 syn. sec. Kew WCVP (2019)

= *Opuntia fulgens* Engelm., Bot. California 1: 250. 1876 syn. sec. Kew WCVP (2019)

= *Cylindropuntia fulgida* f. *cristata* P.V.Heath in Calyx 4: 124. 1994 syn. sec. Kew WCVP (2019)

= *Cylindropuntia fulgida* f. *monstruosa* P.V.Heath in Calyx 4: 142. 1994 syn. sec. WFO 2019

***Cylindropuntia ganderi* (C.B.Wolf) Rebman & Pinkava in J. Arizona-Nevada Acad. Sci. 33: 150. 2001.** Sec. Hernández & al. (2014)

≡ *Opuntia acanthocarpa* subsp. *ganderi* C.B.Wolf in Occas. Pap. Rancho Santa Ana Bot. Gard. 1(2): 75, fig. 20. 1938 syn. sec. Hernández & al. (2014) ≡ *Opuntia acanthocarpa* var. *ganderi* (C.B.Wolf) L.D.Benson, Cact. Calif.: 96. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia ganderi* (C.B.Wolf) Rebman & Pinkava in Haseltonia 4: 103. 1996 syn. sec. Guzmán Cruz & al. (2003) ≡ *Grusonia ganderi* (C.B.Wolf) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia ganderi* subsp. *catavinensis* (Rebman) Rebman in Madroño 66(3): 93. 2019.** Sec. Baker & al. (2019)

≡ *Cylindropuntia ganderi* var. *catavinensis* Rebman in J. Arizona-Nevada Acad. Sci. 33: 150. 2001 syn. sec. Baker & al. (2019) – *Cylindropuntia ganderi* subsp. *catavinensis* (Rebman) U.Guzmán in Cactaceae Syst. Init. 16: 16. 2003, nom. inval. syn. sec. Baker & al. (2019)

***Cylindropuntia ganderi* subsp. *ganderi*.** Sec. Guzmán Cruz & al. (2003)

***Cylindropuntia* ×*grantiorum* P.V.Heath in Calyx 4: 142. 1994.** Sec. Hunt (2016)

***Cylindropuntia hystrix* (Griseb.) Areces in Ciencias (Havana), Ser. 10, 15: 4. 1976.** Sec. Hunt (2016)

≡ *Opuntia hystrix* Griseb., Cat. Pl. Cub.: 117. 1866 syn. sec. Hunt (2016) ≡ *Grusonia hystrix* (Griseb.) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia imbricata* (Haw.) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Cereus imbricatus* Haw., Suppl. Pl. Succ.: 70. 1819 syn. sec. Hernández & al. (2014) ≡ *Opuntia imbricata* (Haw.) DC., Prodr. 3: 471. 1828 syn. sec. Hernández & al. (2014) ≡ *Grusonia imbricata* (Haw.) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia imbricata* var. *imbricata* syn. sec. Guzmán Cruz & al. (2003)

= *Cactus bleo* Torr. in Ann. Lyceum Nat. Hist. New York 2: 202. 1828 syn. sec. Britton & Rose (1919)

= *Opuntia decipiens* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Britton & Rose (1919)

= *Cereus imbricatus* Pfeiff., Enum. Diagn. Cact.: 93. 1837 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia cristata* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 49. 1845 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia exuviata* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 48. 1845 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia arborescens* Engelm., Mem. Tour N. Mexico: 90. 1848 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia*

arborescens (Engelm.) F.M.Knuth, Nye Kaktusbog: 133. 1930 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia imbricata* var. *arborescens* (Engelm.) Bulot in Succulentes (France). 2002 ≡ *Opuntia imbricata* var. *arborescens* (Engelm.)

A.D.Zimmerman, Cacti Trans-Pecos: 103. 2004

= *Opuntia imbricata* var. *ramosior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 249. 1850 syn. sec. Kew WCVP (2019)

= *Opuntia imbricata* var. *tenuior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 249. 1850 syn. sec. Kew WCVP (2019)

= *Opuntia stellata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 73. 1850 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia exuviata*

var. *stellata* (Salm-Dyck) Lem. ex Labour., Monogr. Cactaceae: 492. 1853 syn. sec. Britton & Rose (1919)

= *Opuntia exuviatostellata* Lem. ex Labour., Monogr. Cactaceae: 492. 1853 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia costigera* Miq. in Ned. Kruidk. Arch. 4: 338. 1859 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia galeottii* De Smet ex Miq. in Ned. Kruidk. Arch. 4: 337. 1859 syn. sec. Guzmán Cruz & al. (2003)

= *Cactus imbricatus* Lem., Cactées: 88. 1868 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Cactus cylindricus* J.James, Cat. Fl. Pl. Cincinnati: 182. 1879 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Opuntia ruthei* A.Berger, Hort. Mortol.: 235. 1912 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia vexans* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 28–29. 1912 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia magna* Griffiths in Proc. Biol. Soc. Wash. 27: 6. 1914 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia imbricata* subsp. *argentea* (M.S.Anthony) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Opuntia imbricata* var. *argentea* M.S.Anthony in Amer. Midl. Naturalist 55(1): 236, f. 7. 1956 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia imbricata* var. *argentea* (M.S.Anthony) Backeb., *Cactaceae* 1: 195. 1958 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia imbricata* subsp. *cardenche* (Griffiths) U.Guzmán in *Cactaceae Syst. Init.* 16: 16. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Opuntia cardenche* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 259–260, t. 21. 1908 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia cardenche* (Griffiths) F.M.Knuth, *Kaktus-ABC*: 126. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia imbricata* var. *cardenche* (Griffiths) Bravo in *Cact. Suc. Mex.* 17(4): 119. 1972 syn. sec. Guzmán Cruz & al. (2003) – *Cylindropuntia* × *cardenche* (Griffiths) Pinkava & M.A.Baker in *Haseltonia* 15: 119. 2009, nom. inval. syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia imbricata* subsp. *imbricata*.** Sec. Guzmán Cruz & al. (2003)

***Cylindropuntia imbricata* subsp. *lloydii* (Rose) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Opuntia lloydii* Rose in Contr. U.S. Natl. Herb. 12(7): 292, t. 25, f. 34. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia lloydii* (Rose) F.M.Knuth, *Kaktus-ABC*: 125. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia imbricata* var. *lloydii* (Rose) Bravo in *Cact. Suc. Mex.* 17(4): 119. 1972 syn. sec. Guzmán Cruz & al. (2003)

***Cylindropuntia imbricata* subsp. *rosea* (DC.) M.A.Baker in *Madroño* 66: 93. 2019.** Sec. Baker & al. (2019)

≡ *Opuntia rosea* DC., *Prodr.* 3: 471. 1828 ≡ *Cylindropuntia rosea* (DC.) Backeb., *Cactaceae* 1: 197. 1958 ≡ *Grusonia rosea* (DC.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006

= *Cactus subquadriflorus* Moc. & Sessé ex DC., *Prodr.* 3: 471. 1828 syn. sec. Majure (2021)

= *Cylindropuntia rosea* var. *atorosea* Backeb., *Descr. Cact. Nov.* 3: 5. 1963 syn. sec. Majure (2021)

***Cylindropuntia imbricata* subsp. *spinosior* (Engelm.) M.A.Baker, Cloud-H. & Majure in *Madroño* 66: 93. 2019.** Sec. Baker & al. (2019)

≡ *Opuntia whipplei* var. *spinosior* Engelm. in Proc. Amer. Acad. Arts 3: 307. 1856 syn. sec. Baker & al. (2019) ≡ *Opuntia spinosior* (Engelm.) Toumey in Bot. Gaz. 25(2): 119. 1898 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia spinosior* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 126. 1936 ["1935"] syn. sec. Baker & al. (2019) ≡ *Grusonia spinosior* (Engelm.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006 syn. sec. Baker & al. (2019)

= *Opuntia spinosior* var. *neomexicana* Toumey in Bot. Gaz. 25(2): 119. 1898 syn. sec. Baker & al. (2019)

***Cylindropuntia imbricata* subsp. *spinotecta* (Griffiths) M.A.Baker in *Madroño* 66: 95. 2019.** Sec. Baker & al. (2019)

≡ *Opuntia spinotecta* Griffiths in Proc. Biol. Soc. Wash. 27: 24. 1914 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia imbricata* var. *spinotecta* (Griffiths) M.A.Baker in *Haseltonia* 15: 119. 2009 syn. sec. Baker & al. (2019)

***Cylindropuntia* × *kelvinensis* (V.E.Grant & K.A.Grant) P.V.Heath in *Calyx* 4: 142. 1994.** Sec. Parfitt & Gibson (2003)

≡ *Opuntia* × *kelvinensis* V.E.Grant & K.A.Grant in *Evolution* 25: 155. 1971 syn. sec. Parfitt & Gibson (2003) ≡ *Grusonia* × *kelvinensis* (V.E.Grant & K.A.Grant) G.D.Rowley in *Tephrocactus Study Group* 12(3): 44. 2006

***Cylindropuntia kleiniae* (DC.) F.M.Knuth, *Kaktus-ABC*: 123. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia kleiniae* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Hernández & al. (2014) ≡ *Grusonia kleiniae* (DC.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia kleiniae* var. *laetevirens* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 73. 1850 syn. sec. Kew WCVP (2019)

= *Opuntia wrightii* Engelm. in Proc. Amer. Acad. Arts 3: 308–309. 1856 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia* × *tetracantha* Toumey in Gard. & Forest 9: 432. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia* × *tetracantha* (Toumey) F.M.Knuth, *Kaktus-ABC*: 124. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia kleiniae* var. *tetracantha* (Toumey) W.T.Marshall in *Desert. Bot. Gard. Arizona, Sci. Bull.* 1: 17. 1950 syn. sec. Guzmán Cruz & al. (2003) ≡ *Grusonia* × *tetracantha* (Toumey) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006

= *Opuntia caerulescens* Griffiths, Ill. Stud. Opuntia: 86–87, t. 6, upper f., t. 2, f. 9. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia caerulescens* (Griffiths) F.M.Knuth, *Kaktus-ABC*: 123. 1935 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia congesta* Griffiths, Ill. Stud. Opuntia: 88–89. 1909 syn. sec. Hunt (2016) ≡ *Opuntia* × *congesta* Griffiths in Rep. (Annual) Missouri Bot. Gard. 20: 88. 1909 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia* × *congesta* (Griffiths) F.M.Knuth, *Kaktus-ABC*: 123. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia arbuscula* var. *congesta* (Griffiths) Backeb., *Cactaceae* 1: 174. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Grusonia* × *congesta* (Griffiths) G.D.Rowley in *Tephrocactus Study Group* 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia recondita* Griffiths in *Monatsschr. Kakteenk.* 23: 131. 1913 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia recondita* (Griffiths) F.M.Knuth, *Kaktus-ABC*: 124. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia kleiniae* var. *gilensis* M.A.Fisch., *Tax. Rel.*: 41. 1962 syn. sec. Kew WCVP (2019)

– *Opuntia* × *californica* Engelm., *Not. Milit. Recon.* 2: 158. 1848, nom. inval. syn. sec. Kew WCVP (2019)

***Cylindropuntia leptocaulis* (DC.) F.M.Knuth, *Kaktus-ABC*: 122. 1936 ["1935"].** Sec. Hernández & al. (2014)

≡ *Opuntia leptocaulis* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Hernández & al. (2014) ≡ *Grusonia leptocaulis* (DC.) G.D.Rowley in *Tephrocactus Study Group* 12(3): 44. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia ramulifera* Salm-Dyck, *Hort. Dyck.*: 360. 1834 syn. sec. Guzmán Cruz & al. (2003)

= *Opuntia gracilis* Pfeiff., *Enum. Diagn. Cact.*: 172. 1837 syn. sec. Guzmán Cruz & al. (2003)

- = *Opuntia virgata* Pfeiff., Enum. Diagn. Cact.: 173. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia fragilis* var. *frutescens* Engelm. & A.Gray in Boston J. Nat. Hist. 5(2): 245 as "445". 1845 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia frutescens* Engelm. in Boston J. Nat. Hist. 5(1): 245. 1845 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia virgata* C.F.Först., Handb. Cacteenk.: 506. 1846 syn. sec. Britton & Rose (1919)
- = *Opuntia vaginata* Engelm. in Mem. Tour N. Mexico: 100. 1848 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* var. *vaginata* (Engelm.) S.Watson in Smithsonian Misc. Collect. 258: 407. 1878 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* f. *vaginata* (Engelm.) Schelle, Kakteen: 54. 1926 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia leptocaulis* var. *vaginata* (Engelm.) F.M.Knuth, Kaktus-ABC: 123. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003)
- = *Opuntia gracilis* var. *subpatens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 73. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia frutescens* var. *brevispina* Engelm. in Proc. Amer. Acad. Arts 3: 309. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* var. *brevispina* (Engelm.) S.Watson in Smithsonian Misc. Collect. 258: 407. 1878 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* f. *brevispina* (Engelm.) Schelle, Kakteen: 54. 1926 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia leptocaulis* var. *brevispina* (Engelm.) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003)
- = *Opuntia frutescens* var. *longispina* Engelm. in Proc. Amer. Acad. Arts 3: 309. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* var. *longispina* (Engelm.) A.Berger in Bot. Jahrb. Syst. 36(5): 450. 1905 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia leptocaulis* f. *longispina* (Engelm.) Schelle, Handb. Kakteenkult.: 41. 1907 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia leptocaulis* var. *longispina* (Engelm.) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003) ≡ *Cylindropuntia leptocaulis* f. *longispina* (Engelm.) Guiggi in Kakteen And. Sukk. 69: 157. 2018 syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia leptocaulis* var. *stipata* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 456. 1896, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Opuntia stipata* (J.M.Coult.) K.Schum., Gesamtbeschr. Kakt.: 679. 1898 syn. sec. Kew WCVP (2019)
- = *Opuntia mortolensis* Britton & Rose, Cactaceae 1: 47. 1919 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia mortolensis* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Opuntia brittonii* G.J.Ortega, México Forest. 4(4): 68. 1928 syn. sec. Tropicos ≡ *Cylindropuntia brittonii* (J.G.Ortega) Backeb., Cactaceae 1: 171. 1958 syn. sec. Kew WCVP (2019) ≡ *Opuntia leptocaulis* var. *brittonii* (G.J.Ortega) Bravo in Cact. Suc. Mex. 17(4): 119. 1972
- = *Opuntia leptocaulis* var. *badia* A.Berger, Kakteen: 59. 1929 syn. sec. Tropicos ≡ *Cylindropuntia leptocaulis* var. *badia* (A.Berger) F.M.Knuth, Kaktus-ABC: 123. 1936 ["1935"] syn. sec. Korotkova (2021)
- = *Opuntia leptocaulis* var. *pleurisetia* A.Berger, Kakteen: 59. 1929 syn. sec. Tropicos ≡ *Cylindropuntia leptocaulis* var. *pleurisetia* (A.Berger) F.M.Knuth, Kaktus-ABC: 123. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia leptocaulis* var. *robustior* A.Berger, Kakteen: 59. 1929 syn. sec. Tropicos ≡ *Cylindropuntia leptocaulis* var. *robustior* (A.Berger) F.M.Knuth, Kaktus-ABC: 123. 1936 ["1935"] syn. sec. Korotkova (2021)
- = *Cylindropuntia leptocaulis* var. *glauca* Backeb., Cactaceae 6: 3583. 1962 syn. sec. Kew WCVP (2019)
- Cylindropuntia libertadensis* Rebman in Madroño 62: 58. 2015. Sec. Kew WCVP (2019)**
- Cylindropuntia lindsayi* (Rebman) Rebman in J. Arizona-Nevada Acad. Sci. 341: 45. 2002. Sec. Hernández & al. (2014)**
- ≡ *Opuntia lindsayi* Rebman in Cact. Succ. J. (Los Angeles) 69(2): 67. 1997 syn. sec. Hernández & al. (2014) ≡ *Grusonia lindsayi* (Rebman) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)
- Cylindropuntia ×media* P.V.Heath in Calyx 4: 142. 1994. Sec. Hunt (2016)**
- Cylindropuntia molesta* (K.Brandegee) F.M.Knuth, Kaktus-ABC: 126. 1936 ["1935"]. Sec. Hernández & al. (2014)**
- ≡ *Opuntia molesta* K.Brandegee in Proc. Calif. Acad. Sci. ser. 2, 2(2): 164. 1889 syn. sec. Hernández & al. (2014) ≡ *Grusonia molesta* (Brandegee) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)
- Cylindropuntia molesta* subsp. *clavellina* (Engelm. ex J.M.Coult.) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Opuntia clavellina* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 444. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia clavellina* (Engelm. ex J.M.Coult.) F.M.Knuth, Kaktus-ABC: 124. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia molesta* var. *clavellina* (Engelm. ex J.M.Coult.) Rebman in J. Arizona-Nevada Acad. Sci. 34: 45. 2002 syn. sec. Guzmán Cruz & al. (2003)
- Cylindropuntia molesta* subsp. *molesta*. Sec. Guzmán Cruz & al. (2003)**
- Cylindropuntia multigeniculata* (Clokey) Backeb., Cactaceae 1: 186. 1958. Sec. Baker (2016)**
- ≡ *Opuntia multigeniculata* Clokey in Madroño 7(3): 69–70. 1943 ≡ *Opuntia whipplei* var. *multigeniculata* (Clokey) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969
- Cylindropuntia munzii* (C.B.Wolf) Backeb., Kakteenlex.: 113. 1966. Sec. Hernández & al. (2014)**
- ≡ *Opuntia munzii* C.B.Wolf in Occas. Pap. Rancho Santa Ana Bot. Gard. 1(2): 79-82, f. 23. 1938 syn. sec. Hernández & al. (2014) ≡ *Grusonia munzii* (C.B.Wolf) G.D.Rowley in Tephrocactus Study Group 12(3): 44. 2006 syn. sec. Kew WCVP (2019)
- Cylindropuntia pallida* (Rose) F.M.Knuth, Kaktus-ABC: 126. 1936 ["1935"]. Sec. Majure (2021)**
- ≡ *Opuntia pallida* Rose in Smithsonian Misc. Collect. 50: 507. 1908 syn. sec. Majure (2021)
- Cylindropuntia ×parryi* (Engelm.) F.M.Knuth, Kaktus-ABC: 124. 1935. Sec. Baker & Pinkava**
- ≡ *Opuntia parryi* Engelm. in Amer. J. Sci. Arts, ser. 2, 14(42): 339. 1852

- = *Opuntia serpentina* Engelm. in Amer. J. Sci. Arts, ser. 2, 14(42): 338. 1852 syn. sec. Majure (2021) ≡ *Opuntia parryi* var. *serpentina* (Engelm.) L.D.Benson, Cact. Calif.: 88. 1969 syn. sec. Majure (2021)
- Cylindropuntia perrita* (Griffiths) Majure in Willdenowia 51: 264. 2021.** Sec. Majure (2021)
- ≡ *Opuntia perrita* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 33. 1912 syn. sec. Majure (2021) ≡ *Cylindropuntia recondita* var. *perrita* (Griffiths) Backeb., Cactaceae 1: 178. 1958 syn. sec. Majure (2021) ≡ *Opuntia recondita* var. *perrita* (Griffiths) G.D.Rowley in Natl. Cact. Succ. J. 13: 25. 1958 syn. sec. Majure (2021)
- Cylindropuntia prolifera* (Engelm.) F.M.Knuth, Kaktus-ABC: 126. 1936 ["1935"].** Sec. Hernández & al. (2014)
- ≡ *Opuntia prolifera* Engelm. in Amer. J. Sci. Arts, ser. 2, 14(42): 338. 1852 syn. sec. Hernández & al. (2014) ≡ *Grusonia prolifera* (Engelm.) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Kew WCVP (2019)
- Cylindropuntia ramosissima* (Engelm.) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"].** Sec. Hernández & al. (2014)
- ≡ *Opuntia ramosissima* Engelm. in Amer. J. Sci. Arts, ser. 2, 14(42): 339. 1852 syn. sec. Hernández & al. (2014) ≡ *Grusonia ramosissima* (Engelm.) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Kew WCVP (2019)
- = *Opuntia tessellata* Engelm. in Pacif. Railr. Rep. Parke, Bot. 4(5): 52. 1857 syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia tessellata* var. *cristata* K.Schum. in Monatsschr. Kakteenk. 8: 70. 1898 syn. sec. Britton & Rose (1919) ≡ *Cylindropuntia ramosissima* var. *cristata* (K.Schum.) P.V.Heath in Calyx 4: 142. 1994 syn. sec. Kew WCVP (2019)
- Cylindropuntia sanfelipensis* (Rebman) Rebman in J. Arizona-Nevada Acad. Sci. 341: 45. 2002.** Sec. Hernández & al. (2014)
- ≡ *Opuntia sanfelipensis* Rebman in Haseltonia 6: 17. 1998 syn. sec. Hernández & al. (2014) ≡ *Grusonia sanfelipensis* (Rebman) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Kew WCVP (2019)
- Cylindropuntia santamaria* (E.M.Baxter) Rebman in J. Arizona-Nevada Acad. Sci. 341: 45. 2002.** Sec. Hernández & al. (2014)
- ≡ *Grusonia santamaria* E.M.Baxter in Cact. Succ. J. (Los Angeles) 6: 160. 1934 syn. sec. Hernández & al. (2014) ≡ *Opuntia santamaria* (E.M.Baxter) Wiggins, Veg. Fl. Sonoran Desert 2: 966. 1964 syn. sec. Kew WCVP (2019) ≡ *Opuntia santamaria* (E.M.Baxter) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Guzmán Cruz & al. (2003)
- Cylindropuntia tesajo* (Engelm. ex J.M.Coult.) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"].** Sec. Hernández & al. (2014)
- ≡ *Opuntia tesajo* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 448. 1896 syn. sec. Hernández & al. (2014) ≡ *Grusonia tesajo* (Engelm. ex J.M.Coult.) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Kew WCVP (2019)
- = *Opuntia cineracea* Wiggins in Contr. Dudley Herb. 3: 285. 1943 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia tesajo* var. *cineracea* (Wiggins) Backeb., Cactaceae 1: 173. 1958 syn. sec. Guzmán Cruz & al. (2003)
- Cylindropuntia thurberi* (Engelm.) F.M.Knuth, Kaktus-ABC: 124. 1936 ["1935"].** Sec. Hernández & al. (2014)
- ≡ *Opuntia thurberi* Engelm. in Proc. Amer. Acad. Arts 3: 308. 1856 syn. sec. Hernández & al. (2014) ≡ *Grusonia thurberi* (Engelm.) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Guzmán Cruz & al. (2003)
- Cylindropuntia thurberi* subsp. *alamosensis* (Britton & Rose) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Opuntia alamosensis* Britton & Rose in Contr. U.S. Natl. Herb. 23(5): 1676. 1926 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cylindropuntia alamosensis* (Britton & Rose) Backeb., Cactaceae 1: 177. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia thurberi* var. *alamosensis* (Britton & Rose) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Guzmán Cruz & al. (2003)
- Cylindropuntia thurberi* subsp. *thurberi*.** Sec. Guzmán Cruz & al. (2003)
- Cylindropuntia thurberi* subsp. *versicolor* (Engelm. ex J.M.Coult.) M.A.Baker in Madroño 66: 95. 2019.** Sec. Baker & al. (2019)
- ≡ *Opuntia versicolor* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 452-453. 1896 syn. sec. Baker & al. (2019) ≡ *Opuntia arborescens* var. *versicolor* (Engelm. ex J.M.Coult.) Dams in Monatsschr. Kakteenk. 14: 3. 1904 syn. sec. Majure (2021) ≡ *Cylindropuntia versicolor* (Engelm. ex J.M.Coult.) F.M.Knuth, Kaktus-ABC: 125. 1936 ["1935"] syn. sec. Baker & al. (2019) ≡ *Opuntia thurberi* subsp. *versicolor* (Engelm. ex J.M.Coult.) Felger in J. Arizona Acad. Sci. 6: 83. 1970 syn. sec. Baker & al. (2019)
- = *Grusonia versicolor* (Engelm. ex Toumey) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Majure (2021) – *Opuntia versicolor* Engelm. ex Toumey in Gard. & Forest 8: 325. 1895, nom. inval. syn. sec. Baker & al. (2019)
- Cylindropuntia tunicata* (Lehm.) F.M.Knuth, Kaktus-ABC: 126. 1936 ["1935"].** Sec. Hernández & al. (2014)
- ≡ *Cactus tunicatus* Lehm. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 16: 319. 1832 syn. sec. Hernández & al. (2014) ≡ *Opuntia tunicata* (Lehm.) Pfeiff., Enum. Diagn. Cact.: 170. 1837 syn. sec. Hernández & al. (2014) ≡ *Grusonia tunicata* (Lehm.) G.D.Rowley in Tephrocactus Study Group 12(3): 45. 2006 syn. sec. Kew WCVP (2019) – *Cactus tunicatus* Lehm., Index Seminum (HBG) 1827: 17. 1827, nom. nud.
- = *Opuntia exuviata* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Kew WCVP (2019)
- = *Opuntia exuviata* var. *angustior* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Kew WCVP (2019)
- = *Opuntia exuviata* var. *spiniosior* DC. in Mém. Mus. Hist. Nat. 17: 118. 1828 syn. sec. Kew WCVP (2019)
- = *Opuntia stapeliae* DC. in Mém. Mus. Hist. Nat. 17: 117. 1828 syn. sec. Kew WCVP (2019)
- = *Opuntia furiosa* H.L.Wendl. in Cat. Hort. Herrenh. 1835 syn. sec. Kew WCVP (2019)
- = *Opuntia exuviata* var. *viridior* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 48. 1845 syn. sec. Kew WCVP (2019)
- = *Opuntia tunicata* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 73. 1850 syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia puelchana* A.Cast. in Physis (Buenos Aires) 9: 101. 1928 syn. sec. Tropicós
- = *Cylindropuntia tunicata* var. *aricensis* F.Ritter, Kakteen Südamerika 3: 890. 1980 syn. sec. Hunt (2016)

= *Cylindropuntia tunicata* var. *chilensis* F.Ritter, *Kakteen Südamerika* 3: 889. 1980 syn. sec. Kew WCVP (2019) ≡ *Opuntia tunicata* var. *chilensis* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 242. 1989 syn. sec. Kew WCVP (2019)

***Cylindropuntia ×viridiflora* (Britton & Rose) F.M.Knuth, *Kaktus-ABC*: 124. 1936 ["1935"].** Sec. Hunt (2016)

≡ *Opuntia ×viridiflora* Britton & Rose, *Cactaceae* 1: 55, f. 65. 1919 syn. sec. Hunt (2016) ≡ *Opuntia whipplei* var. *viridiflora* (Britton & Rose) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 46(2): 79. 1974 syn. sec. Kew WCVP (2019) ≡ *Grusonia ×viridiflora* (Britton & Rose) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006 syn. sec. Kew WCVP (2019)

= *Cylindropuntia ×anasaziensis* D.J.Barnett & Donnie Barnett, *Cact. Colorado*: 247. 2016 syn. sec. Kew WCVP (2019)

***Cylindropuntia waltoniorum* Rebman in *Madroño* 62: 60. 2015.** Sec. Kew WCVP (2019)

***Cylindropuntia whipplei* (Engelm. & J.M.Bigelow) F.M.Knuth, *Kaktus-ABC*: 124. 1936 ["1935"].** Sec. Parfitt & Gibson (2003)

≡ *Opuntia whipplei* Engelm. & J.M.Bigelow in *Proc. Amer. Acad. Arts* 3: 307. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Grusonia whipplei* (Engelm. & J.M.Bigelow) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006 syn. sec. Kew WCVP (2019)

***Cylindropuntia whipplei* subsp. *enodis* (Peebles) M.A.Baker in *Madroño* 66: 95. 2019.** Sec. Baker & al. (2019)

≡ *Opuntia whipplei* var. *enodis* Peebles in *J. Wash. Acad. Sci.* 30(11): 473. 1940 syn. sec. Baker & al. (2019) ≡ *Cylindropuntia whipplei* var. *enodis* (Peebles) Backeb., *Cactaceae* 1: 180. 1958 syn. sec. Baker & al. (2019)

***Cylindropuntia whipplei* subsp. *whipplei*.** Sec. Baker & al. (2019)

= *Opuntia whipplei* var. *laevior* Engelm. in *Proc. Amer. Acad. Arts* 3: 307. 1856 syn. sec. Majure (2021)

= *Opuntia hualpaensis* Hester in *Cact. Succ. J. (Los Angeles)* 15: 19. 1943 syn. sec. Majure (2021) ≡ *Cylindropuntia hualpaensis* (Hester) Backeb., *Cactaceae* 1: 213. 1958 syn. sec. Majure (2021)

***Cylindropuntia wolfii* (L.D.Benson) M.A.Baker in *J. Arizona-Nevada Acad. Sci.* 332: 150. 2001.** Sec. Hernández & al. (2014)

≡ *Opuntia echinocarpa* var. *wolfii* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 33. 1969 syn. sec. Hernández & al. (2014) ≡ *Opuntia wolfii* (L.D.Benson) M.A.Baker in *Madroño* 39(2): 108. 1992 syn. sec. Hernández & al. (2014) ≡ *Grusonia wolfii* (L.D.Benson) G.D.Rowley in *Tephrocactus Study Group* 12(3): 45. 2006 syn. sec. Kew WCVP (2019)

***Deamia* Britton & Rose, *Cactaceae* 2: 212. 1920.** Sec. Korotkova & al. (2017)

Type: *Deamia testudo* (Karw. ex Zucc.) Britton & Rose

Notes. – **Phylogenetics:** Reinstated by Korotkova et al. (2017), who found *Strophocactus testudo* (≡ *Deamia testudo* (Karw.) Britton & Rose, the nomenclatural type of *Deamia*) and *S. chontalensis* to form a highly-supported clade (1 PP, 98% MLBS, 99% JK), as sister to the subtribe Pachycereinae, and not closely related to the type species of *Strophocactus*. [Korotkova (2021)]

***Deamia chontalensis* (Alexander) Doweld in *Sukkulenty* 4(1-2): 41. 2002 ["2001"].** Sec. Korotkova & al. (2017)

≡ *Nyctocereus chontalensis* Alexander in *Cact. Succ. J. (Los Angeles)* 22: 132, fig. 52-55. 1950 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus chontalensis* (Alexander) Kimmnach in *Bradleya* 9: 91. 1991 syn. sec. Korotkova & al. (2017) ≡ *Strophocactus chontalensis* (Alexander) Ralf Bauer in *Cactaceae Syst. Init.* 17: 54. 2003 syn. sec. Korotkova & al. (2017)

***Deamia montalvoae* Cerén, J.Menjivar & S.Arias in *Phytotaxa* 369(4): 253. 2018.** Sec. Cerén & al. (2018)

***Deamia testudo* (Karw. ex Zucc.) Britton & Rose, *Cactaceae* 2: 213. 1920.** Sec. Korotkova & al. (2017)

≡ *Cereus testudo* Karw. ex Zucc. in *Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss.* 2: 682. 1838 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus testudo* (Karw. ex Zucc.) Buxb. ex Krainz, *Kakteen*: 30, Gen. C IIa. 1965 syn. sec. Korotkova & al. (2017) ≡ *Strophocactus testudo* (Karw. ex Zucc.) Ralf Bauer in *Cactaceae Syst. Init.* 17: 55. 2003 syn. sec. Korotkova & al. (2017)

= *Cereus pterogonus* Lem., *Cact. Gen. Sp. Nov.*: 59. 1839 syn. sec. Britton & Rose (1920)

= *Cereus pentapterus* Otto ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 220. 1850 syn. sec. Britton & Rose (1920)

= *Cereus miravallensis* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 459. 1902 syn. sec. Korotkova & al. (2017) ≡

Selenicereus miravallensis (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 431. 1909 syn. sec. Korotkova & al. (2017)

= *Cereus acanthosphaera* Weing. in *Monatsschr. Kakteenk.* 24: 81. 1914 syn. sec. Bauer (2003)

= *Deamia diabolica* Clover in *Bull. Torrey Bot. Club* 65: 570, f. 5. 1938 syn. sec. Korotkova & al. (2017)

***Denmoza* Britton & Rose, *Cactaceae* 3: 78. 1922.** Sec. Hunt (2006)

Type: *Denmoza rhodacantha* (Salm-Dyck) Britton & Rose

≡ *Demnosa* Britton & Rose syn. sec. Hunt (2006)

Notes. – Monotypic; distributed in Argentina. Sampled by Hernández-Hernández & al. 2011, resolved as sister to a clade of *Acanthocalycium* + *Echinopsis*, albeit with support <50%. [Korotkova & al. (2021)]

***Denmoza rhodacantha* (Salm-Dyck) Britton & Rose, *Cactaceae* 3: 79, pl. 8. 1922.** Sec. Hunt (2006)

≡ *Echinocactus rhodacanthus* Salm-Dyck, *Hort. Dyck.*: 341-342. 1834 syn. sec. Hunt (2006) ≡ *Echinopsis rhodacantha* (Salm-Dyck) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 182. 1850 syn. sec. Hunt (2006) ≡ *Cleistocactus rhodacanthus* (Salm-Dyck) Lem. in *Ill. Hort.* 8(Misc.): 35. 1861 syn. sec. Hunt (2006) ≡ *Cereus rhodacanthus* (Salm-Dyck) F.A.C.Weber in *Bois, Dict. Hort.*: 472. 1896 syn. sec. Hunt (2006) ≡ *Pilocereus rhodacanthus* Speg. in *Anales Mus. Nac. Buenos Aires, ser. 3, 4*: 485. 1905 syn. sec. Britton & Rose (1922) – *Echinopsis rhodacantha* (Salm-Dyck) C.F.Först., *Handb. Cacteenk.*: 368. 1846 syn. sec. TPL (2013) [is misspelling for *Echinopsis rhodacantha* (Salm-Dyck) Salm-Dyck]

- = *Cactus coccineus* Gillies ex Loudon, Hort. Brit.: 194. 1830 syn. sec. Britton & Rose (1922)
- = *Mammillaria coccinea* G.Don, Hort. Brit.: 194. 1830 syn. sec. Kew WCVP (2019)
- = ?*Echinocactus coccineus* Pfeiff., Enum. Diagn. Cact.: 50. 1837 syn. sec. Britton & Rose (1922)
- = *Echinocactus rhodacanthus* var. *coccineus* Monv. ex Labour., Monogr. Cactaceae: 304. 1853 syn. sec. WFO 2019
- = *Echinopsis ducis-pauli* C.F.Först. ex Rümpler, Handb. Cacteenk., ed. 2: 641. 1885 syn. sec. Hunt (2006) ≡ *Lobivia ducis-pauli* (C.F.Först.) Borg, Cacti, ed. 1: 190. 1937 syn. sec. Hunt (2006) ≡ *Pseudolobivia ducis-pauli* (C.F.Först.) Krainz in Mitt. Schweiz. Kakteen-Ges. 1946: 36. 1946 syn. sec. Hunt (2006) ≡ *Furiolobivia ducis-pauli* (C.F.Först.) Y.Itô, Explan. Diagn. Austroechinocactinae: 80. 1957 syn. sec. Hunt (2006) ≡ *Denmoza ducis-pauli* (C.F.Först. ex Rümpler) Werderm. ex Backeb., Cactaceae 2: 1045. 1959 syn. sec. Hunt (2006)
- = *Pilocereus erythrocephalus* K.Schum., Gesamtbeschr. Kakt.: 195. 1897 syn. sec. Hunt (2006) ≡ *Cereus erythrocephalus* (K.Schum.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 69. 1905 syn. sec. Hunt (2006) ≡ *Denmoza erythrocephala* (K.Schum.) A.Berger, Kakteen: 339. 1929 syn. sec. Hunt (2006)
- = *Denmoza strausii* var. *luteispina* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 170. 1929 syn. sec. Hunt (2006)
- = *Denmoza rhodacantha* var. *diamantina* Slaba in Kaktusy (Brno) 32: 98. 1996 syn. sec. Hunt (2006)

***Discocactus* Pfeiff. in Allg. Gartenzeitung 5: 241. 1837. Sec. Hunt (2016)**

Type: *Discocactus insignis* Pfeiff.

- = *Neodiscocactus* Y.Itô, Cactaceae: 531. 1981 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

***Discocactus bahiensis* Britton & Rose, Cactaceae 3: 220, pl. 24, f. 4. 1922. Sec. Taylor & Zappi (2004)**

- ≡ *Echinocactus bahiensis* (Britton & Rose) Luetzelb. in Stud. Bot. Nordéste 3: 111. 1926 syn. sec. Taylor & Zappi (2004)
- = *Discocactus subviridigriseus* Buining & Brederoo, *Discocactus*: 115. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus bahiensis* subsp. *subviridigriseus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 63. 1993 syn. sec. Taylor & Zappi (2004)
- = *Discocactus bahiensis* subsp. *gracilis* P.J.Braun & Esteves in *Kakteen And. Sukk.* 52: 290. 2001 syn. sec. Taylor & Zappi (2004)

***Discocactus boliviensis* Buining & Brederoo, *Discocactus*: 90. 1980. Sec. Kiesling & al. (2014)**

- ≡ *Neodiscocactus boliviensis* (Backeb.) Y.Itô, Cactaceae: 531. 1981 syn. sec. Korotkova (2021) – *Discocactus boliviensis* Backeb., *Descr. Cact. Nov.* 3: 5. 1963, nom. inval. syn. sec. Kiesling & al. (2014)

***Discocactus catingicola* Buining & Brederoo in *Kakteen And. Sukk.* 25: 265–267. 1974. Sec. Hunt (2016)**

- ≡ *Discocactus heptacanthus* subsp. *catingicola* (Buining & Brederoo) N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997 syn. sec. Kew WCVP (2019)
- = *Discocactus griseus* Buining & Brederoo in *Succulenta (Netherlands)* 54: 186. 1975 syn. sec. Hunt (2016) ≡ *Discocactus catingicola* var. *griseus* (Buining & Brederoo) P.Braun & Esteves in *Kakteen And. Sukk.* 44: 112. 1993 syn. sec. WFO 2019 ≡ *Discocactus catingicola* subsp. *griseus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 64. 1995 syn. sec. Tropicos
- = *Discocactus rapirhizus* Buining & Brederoo in *Ashingtonia* 2: 44. 1975 syn. sec. Hunt (2016) ≡ *Discocactus catingicola* subsp. *rapirhizus* (Buining & Brederoo) P.Braun & Esteves in *Kakteen And. Sukk.* 44: 112. 1993 syn. sec. Kew WCVP (2019)
- = *Discocactus nigrisaetosus* Buining & Brederoo, *Discocactus*: 129. 1976 syn. sec. Hunt (2016) ≡ *Discocactus catingicola* var. *nigrisaetosus* (Buining & Brederoo) P.Braun & Esteves in *Kakteen And. Sukk.* 44: 112. 1993 syn. sec. Kew WCVP (2019)
- = *Discocactus silvaticus* Buining & Brederoo, *Discocactus*: 140. 1976 syn. sec. Hunt (2016)
- = *Discocactus spinosior* Buining & Brederoo, *Discocactus*: 146. 1976 syn. sec. Hunt (2016)
- = *Discocactus estevesii* Diers in *Cact. Succ. J. (Los Angeles)* 50: 83. 1978 syn. sec. Hunt (2016)
- = *Discocactus cangaensis* Diers & Esteves in *Cact. Succ. J. (Los Angeles)* 52: 107. 1980 syn. sec. Hunt (2016)
- = *Discocactus prominentigibbus* Diers & Esteves in *Kakteen And. Sukk.* 39: 18. 1988 syn. sec. Hunt (2016)
- = *Discocactus crassispinus* P.J.Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 66: 228. 1994 syn. sec. Hunt (2016)
- = *Discocactus piawaiensis* P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 62. 1995 syn. sec. Hunt (2016)
- = *Discocactus crassispinus* subsp. *araguaiensis* P.J.Braun & Esteves in *Kakteen And. Sukk.* 47: 194. 1996 syn. sec. Hunt (2016)

***Discocactus diersianus* Esteves in *Cact. Succ. J. (Los Angeles)* 51: 179. 1979. Sec. Hunt (2016)**

- = *Discocactus paranaensis* Backeb., Cactaceae 4: 2628. 1960 syn. sec. Hunt (2016)
- = *Discocactus mamillosus* Buining & Brederoo in *Kakteen And. Sukk.* 25: 217. 1974 syn. sec. Hunt (2016) ≡ *Discocactus hartmannii* var. *mamillosus* (Buining & Brederoo) P.J.Braun in *Kakteen And. Sukk.* 36: 23. 1985
- = *Discocactus goianus* Diers & Esteves in *Kakteen And. Sukk.* 31: 79. 1980 syn. sec. Hunt (2016) ≡ *Discocactus diersianus* var. *goianus* (Diers & Esteves) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 113. 1993 syn. sec. Tropicos ≡ *Discocactus diersianus* subsp. *goianus* (Diers & Esteves) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 64. 1995 syn. sec. Tropicos
- = *Discocactus lindaianus* Diers & Esteves in *Cact. Succ. J. (Los Angeles)* 53: 56. 1981 syn. sec. Hunt (2016)
- = *Discocactus cephaliaciculosis* Buining & Brederoo ex P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 63. 1995 syn. sec. Hunt (2016) ≡ *Discocactus diersianus* subsp. *cephaliaciculosis* (Buining & Brederoo ex P.J.Braun & Esteves) Guiggi in *Cactology* 5 (Suppl. 8): 2. 2020 syn. sec. Korotkova (2021)
- = *Discocactus cephaliaciculosis* subsp. *nudicephalus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 63. 1995 syn. sec. Hunt (2016) ≡ *Discocactus diersianus* subsp. *nudicephalus* (P.J.Braun & Esteves) Guiggi in *Cactology* 5 (Suppl. 8): 2. 2020 syn. sec. Korotkova (2021)

***Discocactus fariae-peresii* P.J.Braun in *Kakteen And. Sukk.* 67: 33. 2016. Sec. Kew WCVP (2019)**

***Discocactus ferricola* Buining & Brederoo in Kakteen And. Sukk. 26(1): 2. 1975.** Sec. Kiesling & al. (2014)

≡ *Discocactus boliviensis* subsp. *ferricola* (Buining & Brederoo) Guiggi in Cactology 5 (Suppl. 8): 2. 2020 syn. sec. Korotkova (2021)

***Discocactus hartmannii* (K.Schum.) Britton & Rose, Cactaceae 3: 217, f. 230. 1922.** Sec. Hunt (2016)

≡ *Echinocactus hartmannii* K.Schum. in Monatsschr. Kakteenk. 10: 170. 1900 syn. sec. Hunt (2016) ≡ *Neodiscocactus hartmannii* (K.Schum.) Y.Itô, Cactaceae: 532. 1981 syn. sec. Korotkova (2021)

= *Discocactus patulifolius* Buining & Brederoo in Kakteen And. Sukk. 25: 195. 1974 syn. sec. Hunt (2016) ≡ *Discocactus hartmannii* var. *patulifolius* (Buining & Brederoo) P.J.Braun in Kakteen And. Sukk. 36: 23. 1985 syn. sec. Korotkova (2021) ≡ *Discocactus hartmannii* subsp. *patulifolius* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 46: 64. 1995 syn. sec. Tropicos

= *Discocactus pachythele* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 47: 163. 1975 syn. sec. Hunt (2016)

= *Discocactus magnimammus* subsp. *bonitoensis* Buining & Brederoo, *Discocactus*: 204. 1976 syn. sec. Hunt (2016) ≡

Discocactus hartmannii var. *bonitoensis* (Buining & Brederoo) P.J.Braun in Kakteen And. Sukk. 36: 23. 1985 syn. sec. Kew WCVP (2019)

= *Discocactus hartmannii* subsp. *setosiflorus* P.J.Braun & Esteves in Kakteen And. Sukk. 45(2): 27. 1994 syn. sec. Hunt (2016)

= *Discocactus hartmannii* subsp. *giganteus* P.J.Braun & Esteves in Succulenta (Netherlands) 75: 260. 1996 syn. sec. Hunt (2016)

***Discocactus heptacanthus* (Barb.Rodr.) Britton & Rose, Cactaceae 3: 218, f. 232. 1922.** Sec. Hunt (2016)

≡ *Malacocarpus heptacanthus* Barb.Rodr., Pl. Matogr.: 29. 1898 syn. sec. Hunt (2016) ≡ *Neodiscocactus heptacanthus* (Barb.Rodr.) Y.Itô, Cactaceae: 532. 1981 syn. sec. Korotkova (2021)

= *Discocactus magnimammus* Buining & Brederoo in Kakteen And. Sukk. 25: 242. 1974 syn. sec. Hunt (2016) ≡ *Discocactus hartmannii* var. *magnimammus* (Buining & Brederoo) P.J.Braun in Kakteen And. Sukk. 36: 23. 1985 syn. sec. Korotkova (2021) ≡ *Discocactus heptacanthus* subsp. *magnimammus* (Buining & Brederoo) N.P.Taylor & Zappi in Bradleya 9: 86. 1991 syn. sec. Hunt (2016) ≡ *Discocactus hartmannii* subsp. *magnimammus* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 46: 64. 1995 syn. sec. Tropicos

= *Discocactus semicampaniflorus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 47: 122. 1975 syn. sec. Hunt (2016) ≡ *Discocactus heptacanthus* var. *semicampaniflorus* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 44: 103. 1993 syn. sec. Hunt (2016)

= *Discocactus silicicola* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 47: 214. 1975 syn. sec. Hunt (2016)

= *Discocactus flavispinus* Buining & Brederoo, *Discocactus*: 157. 1976 syn. sec. Hunt (2016)

= *Discocactus melanochlorus* Buining & Brederoo, *Discocactus*: 135. 1976 syn. sec. Hunt (2016) ≡ *Discocactus heptacanthus* subsp. *melanochlorus* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 44: 103. 1993 syn. sec. Hunt (2016)

= *Discocactus squamibaccatus* Buining & Brederoo, *Discocactus*: 183. 1976 syn. sec. Hunt (2016)

= *Discocactus subterraneo-proliferans* Diers & Esteves in Kakteen And. Sukk. 31: 271. 1980 syn. sec. Hunt (2016)

***Discocactus horstii* Buining & Brederoo in Krainz, Kakteen 52: CVIf. 1973.** Sec. Taylor & Zappi (2004)

= *Discocactus woutersianus* Brederoo & Broek in Succulenta (Netherlands) 59: 198. 1980 syn. sec. Taylor & Zappi (2004)

***Discocactus placentiformis* (Lehm.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 190. 1894.** Sec. Taylor & Zappi (2004)

≡ *Cactus placentiformis* Lehm. in Del. Sem. Hort. Hamburg. 1826 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus placentiformis* (Lehm.) DC., Prodr. 3: 460. 1828 syn. sec. Taylor & Zappi (2004) ≡ *Echinocactus placentiformis* (Lehm.) K.Schum. in Martius, Fl. Bras. 4(2): 246. 1890 syn. sec. Britton & Rose (1922)

= *Melocactus besleri* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 420. 1827 syn. sec. Kew WCVP (2019)

= *Discocactus insignis* Pfeiff. in Allg. Gartenzeitung 5: 241. 1837 syn. sec. Taylor & Zappi (2004)

= *Discocactus lehmannii* Pfeiff. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 19(1): 120. 1839 syn. sec. Britton & Rose (1922)

= *Discocactus linkii* Pfeiff. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 19(1): 120. 1839 syn. sec. Britton & Rose (1922)

= *Discocactus alteolens* Lem. ex A.Dietr. in Allg. Gartenzeitung 14: 202. 1846 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus placentiformis* var. *alteolens* (Lem. ex A.Dietr.) P.J.Braun & Esteves in Kakteen And. Sukk. 44: 105. 1993 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus placentiformis* subsp. *alteolens* (Lem. ex A.Dietr.) P.J.Braun & Esteves in Kakteen And. Sukk. 46: 64. 1995 syn. sec. Taylor & Zappi (2004) ≡ *Echinocactus alteolens* Lem., Hortus Van Houtteanus 1(2): 23. 1846 syn. sec. Kew WCVP (2019) ≡ *Echinocactus alteolens* (Lem. ex A.Dietr.) K.Schum., Fl. Bras. 4(2): 246. 1890 syn. sec. Kew WCVP (2019) ≡

Cactus alteolens (Lem. ex A.Dietr.) Kuntze in Deutsche Bot. Monatsschr. 21: 173. 1903 syn. sec. Taylor & Zappi (2004)

= *Echinocactus tricornis* Monv. ex A.Dietr. in Allg. Gartenzeitung 14: 203. 1846 syn. sec. Kew WCVP (2019) ≡ *Discocactus tricornis* Monv. ex Pfeiff. & Otto, Abbild. Beschr. Cact. 2: t. 28. 1850 syn. sec. Taylor & Zappi (2004)

= *Discocactus alteolens* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 190. 1894 syn. sec. Kew WCVP (2019)

= *Discocactus besleri* F.A.C.Weber, Dict. Hort. 1: 450. 1896 syn. sec. Britton & Rose (1922)

= *Discocactus latispinus* Buining & Brederoo, *Discocactus*: 95. 1976 syn. sec. Taylor & Zappi (2004)

= *Discocactus pugionacanthus* Buining & Brederoo, *Discocactus*: 61. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus placentiformis* var. *pugionacanthus* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 44: 105. 1993 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus placentiformis* subsp. *pugionacanthus* (Buining & Brederoo) P.J.Braun & Esteves in Kakteen And. Sukk. 46: 64. 1995 syn. sec. Taylor & Zappi (2004)

- = *Discocactus pulvinicapitatus* Buining & Brederoo, *Discocactus*: 100. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus latispinus* subsp. *pulvinicapitatus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 105. 1993 syn. sec. Taylor & Zappi (2004)
- = *Discocactus crystallophilus* Diers & Esteves in *Kakteen And. Sukk.* 32: 261. 1981 syn. sec. Taylor & Zappi (2004)
- = *Discocactus pseudolatispinus* Diers & Esteves in *Kakteen And. Sukk.* 38: 247. 1987 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus latispinus* subsp. *pseudolatispinus* (Diers & Esteves) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 105. 1993 syn. sec. Taylor & Zappi (2004)
- = *Discocactus placentiformis* subsp. *multicolorispinus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 59: 212. 2008 syn. sec. Taylor & Zappi (2004)
- *Discocactus multicolorispinus* P.J.Braun & Brederoo in *Kakteen And. Sukk.* 32: 59. 1981, nom. inval. syn. sec. Taylor & Zappi (2004) – *Discocactus placentiformis* subsp. *multicolorispinus* (P.J.Braun & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44(5): 105. 1993, nom. inval. syn. sec. Taylor & Zappi (2004)
- Discocactus pseudoinsignis* N.P.Taylor & Zappi in *Bradleya* 9: 86. 1991. Sec. Taylor & Zappi (2004)**
- Discocactus zehntneri* Britton & Rose, *Cactaceae* 3: 218–219. 1922. Sec. Taylor & Zappi (2004)**
- ≡ *Echinocactus zehntneri* (Britton & Rose) Luetzelb. in *Estud. Bot. Nordéste* 3: 111. 1926 syn. sec. Taylor & Zappi (2004)
- = *Discocactus albispinus* Buining & Brederoo in *Cact. Succ. J. (Los Angeles)* 46: 253. 1974 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* f. *albispinus* (Buining & Brederoo) Řiha in *Kaktusy (Brno)* 19: 26–27. 1983 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* var. *albispinus* (Buining & Brederoo) P.J.Braun in *Succulenta (Netherlands)* 69: 215. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* subsp. *albispinus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46(3): 64. 1995 syn. sec. Taylor & Zappi (2004) – *Discocactus zehntneri* subsp. *alspinus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46(3): 64. 1995 syn. sec. Taylor & Zappi (2004) [is misspelling for *Discocactus zehntneri* subsp. *albispinus* (Buining & Brederoo) P.J.Braun & Esteves]
- = *Discocactus petr-halfari* Zachar in *Kaktusy (Brno)* 44: 45. 2008 syn. sec. Hunt (2016) ≡ *Discocactus bahiensis* subsp. *petr-halfari* (Zachar) P.J.Braun & Esteves in *Kakteen And. Sukk.* 59: 184. 2008 syn. sec. Hunt (2016)
- Discocactus zehntneri* subsp. *boomianus* (Buining & Brederoo) N.P.Taylor & Zappi in *Bradleya* 9: 86. 1991. Sec. Taylor & Zappi (2004)**
- ≡ *Discocactus boomianus* Buining & Brederoo in *Succulenta (Netherlands)* 50: 26. 1971 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* var. *boomianus* (Buining & Brederoo) P.J.Braun in *Succulenta (Netherlands)* 69: 218. 1990 syn. sec. Taylor & Zappi (2004)
- = *Discocactus araneispinus* Buining & Brederoo, *Discocactus*: 39. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* var. *araneispinus* (Buining & Brederoo ex J.Theun.) P.J.Braun in *Succulenta (Netherlands)* 69: 215. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* subsp. *araneispinus* (Buining & Brederoo) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 64. 1995 syn. sec. Taylor & Zappi (2004)
- = *Discocactus buenekeri* W.R.Abraham in *Kakteen And. Sukk.* 38: 284. 1987 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* subsp. *buenekeri* (W.R.Abraham) P.J.Braun & Esteves in *Kakteen And. Sukk.* 44: 64. 1993 syn. sec. Taylor & Zappi (2004)
- = *Discocactus zehntneri* var. *horstiorum* P.J.Braun in *Succulenta (Netherlands)* 69: 218. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Discocactus zehntneri* subsp. *horstiorum* (P.J.Braun) P.J.Braun & Esteves in *Kakteen And. Sukk.* 46: 64. 1995 syn. sec. Taylor & Zappi (2004)
- Discocactus zehntneri* subsp. *petr-halfarii* (Zachar) M.R.Santos & M.C.Machado in *Phytotaxa* 207: 209. 2015. Sec. Santos & al. (2015)**
- ≡ *Discocactus petr-halfarii* Zachar in *Kaktusy (Brno)* 44: 45. 2008 syn. sec. Santos & al. (2015) ≡ *Discocactus bahiensis* subsp. *petr-halfarii* (Zachar) P.J.Braun & Esteves in *Kakteen And. Sukk.* 59: 184. 2008 syn. sec. Santos & al. (2015)
- Discocactus zehntneri* subsp. *zehntneri*. Sec. Taylor & Zappi (2004)**
- Disocactus* Lindl., *Edwards's Bot. Reg.* 31: t. 9. 1845. Sec. Cruz & al. (2016)**
- Type: *Disocactus biformis* (Lindl.) Lindl.
- = *Cereus* subsect. *Heliocereus* A.Berger in *Rep. (Annual) Missouri Bot. Gard.* 16: 78. 1905 syn. sec. Korotkova & al. (2017)
- ≡ *Heliocereus* (A.Berger) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 433. 1909 syn. sec. Korotkova & al. (2017). Type: *Heliocereus speciosus* (Cav.) Britton & Rose
- = *Chiapasia* Britton & Rose, *Cactaceae* 4: 203. 1923 syn. sec. Korotkova & al. (2017). Type: *Chiapasia nelsonii* (Britton & Rose) Britton & Rose
- = *Nopalxochia* Britton & Rose, *Cactaceae* 4: 204. 1923 syn. sec. Korotkova & al. (2017). Type: *Nopalxochia phyllanthoides* (DC.) Britton & Rose
- = *Mediocereus* Frič & Kreuz. in *Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 19. 1935, nom. illeg. syn. sec. Kew WCVP (2019)
- = *Trochilocactus* Linding. in *Beih. Bot. Centralbl., Abt. A*, 61: 383. 1942 syn. sec. Korotkova & al. (2017). Type: *Trochilocactus eichlamii* (Weing.) Linding.
- = *Bonifazia* Standl. & Steyerl. in *Publ. Field Mus. Nat. Hist., Bot. Ser.* 23: 66. 1944 syn. sec. Korotkova & al. (2017). Type: *Bonifazia quezalteca* Standl. & Steyerl.
- = *Lobeira* Alexander in *Cact. Succ. J. (Los Angeles)* 16: 177. 1944 syn. sec. Korotkova & al. (2017). Type: *Lobeira macdougallii* Alexander

= *Pseudonopalxochia* Backeb., Cactaceae 1: 69. 1958 syn. sec. Korotkova & al. (2017). Type: *Pseudonopalxochia konzattianum* (T.MacDoug.) Backeb.

= ×*Disheliocereus* G.D.Rowley in Natl. Cact. Succ. J. 37: 48. 1982 syn. sec. Kew WCVP (2019)

= ×*Disochia* G.D.Rowley in Natl. Cact. Succ. J. 37: 48. 1982 syn. sec. Cruz & al. (2016)

Notes. – *Disocactus* was newly circumscribed by Cruz & al. (2016) as the results of their phylogenetic study where *Disocactus* sensu Barthlott (1991) and Hunt (2006) was found as polyphyletic, with *Aporocactus* forming a separate lineage and *Disocactus* including three erstwhile *Epiphyllum* species. [Korotkova (2021)]

***Disocactus ackermannii* (Haw.) Ralf Bauer in Cactaceae Syst. Init. 17: 15. 2003.** Sec. Cruz & al. (2016)

≡ *Epiphyllum ackermannii* Haw. in Philos. Mag. Ann. Chem. 6: 109. 1829 syn. sec. Cruz & al. (2016) ≡ *Cactus ackermannii* (Haw.) Lindl. in Edwards's Bot. Reg. 16: t. 1331. 1830 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus ackermannii* (Haw.) Lindl., Edwards's Bot. Reg. 16: pl. 1331. 1830 ≡ *Cereus ackermannii* (Haw.) Otto ex Pfeiff., Enum. Diagn. Cact.: 123. 1837 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus ackermannii* (Haw.) Salm-Dyck, Cact. Hort. Dyck.: 38. 1841 syn. sec. Cruz & al. (2016) ≡ *Nopalxochia ackermannii* (Haw.) F.M.Knuth, Kaktus-ABC: 161. 1936 ["1935"] syn. sec. Cruz & al. (2016) ≡ *Weberocereus ackermannii* (Haw.) S.S.Ying, Coloured Ill. Fl. Taiwan 4: 309. 1992 syn. sec. Korotkova (2021) ≡ *Heliocereus ackermannii* (Haw.) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Disocactus ackermannii* var. *ackermannii*

***Disocactus ackermannii* subsp. *ackermannii*.** Sec. Guzmán Cruz & al. (2003)

= *Phyllocactus weingartii* A.Berger in Monatsschr. Kakteenk. 30: 33. 1920 syn. sec. Bauer (2003)

= *Epiphyllum ackermannii* f. *candidum* Alexander in Cact. Succ. J. (Los Angeles) 19: 58. 1947 syn. sec. Cruz & al. (2016) ≡ *Disocactus ackermannii* f. *candidus* (Alexander) Barthlott in Bradleya 9: 87. 1991 syn. sec. Cruz & al. (2016)

***Disocactus ackermannii* subsp. *konzattianus* (T.MacDoug.) Ralf Bauer in Cactaceae Syst. Init. 17: 17. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Nopalxochia konzattianum* T.MacDoug. in Cact. Succ. J. (Los Angeles) 19: 22. 1947 syn. sec. Cruz & al. (2016) ≡ *Pseudonopalxochia konzattiana* (T.MacDoug.) Backeb., Cactaceae 2: 757. 1959 syn. sec. Guzmán Cruz & al. (2003) ≡ *Nopalxochia ackermannii* var. *konzattianum* (T.MacDoug.) Kimmach in Cact. Succ. J. (Los Angeles) 53: 85. 1981 syn. sec. Cruz & al. (2016) ≡ *Disocactus ackermannii* var. *konzattianus* (T.MacDoug.) Barthlott in Bradleya 9: 87. 1991 syn. sec. Cruz & al. (2016) ≡ *Heliocereus konzattianus* (T.MacDoug.) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Disocactus ackermannii* subsp. *konzattianus* (T.MacDoug.) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Cruz & al. (2016) – *Pseudonopalxochia konzattianum* (T.MacDoug.) Backeb., Cactaceae 2: 757. 1959 syn. sec. Cruz & al. (2016) [is orthographic variant for *Pseudonopalxochia konzattiana* (T.MacDoug.) Backeb.]

***Disocactus anguliger* (Lem.) M.A.Cruz & S.Arias in Willdenowia 46(1): 157. 2016.** Sec. Cruz & al. (2016)

≡ *Phyllocactus anguliger* Lem. in Jard. Fleur. 1: t. 92. 1851 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum anguliger* (Lem.) G.Don, Encycl. Pl., ed. 3: 1380. 1855 syn. sec. Cruz & al. (2016)

= *Cereus mexicanus* Lem. ex C.F.Först., Handb. Cacteenk.: 430. 1846 syn. sec. Kew WCVP (2019) ≡ *Phyllocactus mexicanus* (Lem. ex C.F.Först.) Salm-Dyck ex Labour., Monogr. Cact.: 429. 1853

= *Phyllocactus angularis* Lem. ex Labour., Monogr. Cact.: 671. 1853 syn. sec. Britton & Rose (1923)

= *Phyllocactus serratus* Brongn. ex Labour., Monogr. Cact.: 417. 1853 syn. sec. Britton & Rose (1923)

= *Phyllocactus darrahii* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 69. 1903 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum darrahii* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 256. 1913 syn. sec. Cruz & al. (2016)

– *Phyllocactus angulifer* G.Don, Encycl. Pl. Suppl. 2: 1380. 1855 syn. sec. TPL (2013) [is misspelling for *Phyllocactus anguliger* Lem.]

***Disocactus aurantiacus* (Kimmach) Barthlott in Bradleya 9: 87. 1991.** Sec. Cruz & al. (2016)

≡ *Heliocereus aurantiacus* Kimmach in Cact. Succ. J. (Los Angeles) 46: 67. 1974 syn. sec. Cruz & al. (2016) ≡ *Disocactus speciosus* subsp. *aurantiacus* (Kimmach) Ralf Bauer in Cactaceae Syst. Init. 17: 16. 2003 syn. sec. Cruz & al. (2016)

***Disocactus biformis* (Lindl.) Lindl. in Edwards's Bot. Reg. 31: t. 9. 1845.** Sec. Cruz & al. (2016)

≡ *Cereus biformis* Lindl. in Bot. Reg. 29: misc. 51. 1843 syn. sec. Cruz & al. (2016) ≡ *Disocactus biformis* (Lindl.) Kunze in Bot. Zeitung (Berlin) 3: 533. 1845 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus biformis* (Lindl.) Labour., Monogr. Cact.: 418. 1853 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum biformis* (Lindl.) G.Don, Encycl. Pl. new ed., Suppl. 2: 1378. 1855 syn. sec. TPL (2013) – *Epiphyllum biforme* (Lindl.) G.Don, Encycl. Pl., ed. 3: 1378. 1855 syn. sec. Cruz & al. (2016) [is orthographic variant for *Epiphyllum biformis* (Lindl.) G.Don]

= *Cereus biformis* Pfeiff., Enum. Diagn. Cact.: 114. 1837 syn. sec. Kew WCVP (2019)

– *Disocactus biformis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 57. 1850, nom. inval. syn. sec. IPNI: 18 sept 2020

***Disocactus crenatus* (Lindl.) M.A.Cruz & S.Arias in Willdenowia 46(1): 157. 2016.** Sec. Cruz & al. (2016)

≡ *Cereus crenatus* Lindl. in Edwards's Bot. Reg. 30: t. 31. 1844 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus crenatus* (Lindl.) Lem. in Hort. Universel 6: 87. 1845 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus crenatus* (Lindl.) Walp., Repert. Bot. Syst. 5: 820. 1846 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum crenatum* (Lindl.) G.Don, Encycl. Pl., ed. 3: 1378. 1855 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum crenatum* subsp. *crenatum* syn. sec. Cruz & al. (2016) ≡ *Epiphyllum crenatum* var. *crenatum* syn. sec. Cruz & al. (2016)

= *Phyllocactus caulorhizus* Lem., Jard. Fleur. 1(Misc.): 6. 1851 syn. sec. Kew WCVP (2019) ≡ *Epiphyllum caulorhizum* (Lem.) G.Don, Encycl. Pl., new ed., Suppl. 2: 1380. 1855 syn. sec. Kew WCVP (2019)

***Disocactus crenatus* subsp. *crenatus*.** Sec. Cruz & al. (2016)

= *Phyllocactus caulorrhizus* Lem. in Jard. Fleur. 1: misc. 6. 1851 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum caulorrhizum* (Lem.) G.Don, Encycl. Pl., ed. 3: 1380. 1855 syn. sec. Cruz & al. (2016)

***Disocactus crenatus* subsp. *kinnachii* (Bravo ex Kinnach) M.A.Cruz & S.Arias in *Willdenowia* 46(1): 157. 2016.** Sec. Cruz & al. (2016)

≡ *Epiphyllum crenatum* var. *kinnachii* Bravo ex Kinnach in Cact. Succ. J. (Los Angeles) 39: 207. 1967 syn. sec. Cruz & al.

(2016) ≡ *Marniera macroptera* var. *kinnachii* (Bravo ex Kinnach) Backeb., Kakteenlex.: 459. 1966 syn. sec. Cruz & al.

(2016) ≡ *Epiphyllum crenatum* subsp. *kinnachii* (Bravo ex Kinnach) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003 syn. sec. Cruz & al. (2016)

= *Phyllocactus cooperi* Regel in *Gartenflora* 33: 357. 1884 syn. sec. Bauer (2003) ≡ *Epiphyllum cooperi* (Regel) Clover, Hort. Sec.: 281. 1941 syn. sec. Bauer (2003)

= *Phyllocactus pfersdorffii* Rümpler, Sukkulente: 155. 1892 syn. sec. Kew WCVP (2019)

= *Phyllocactus hildmannii* Hildm. in *Gartenflora* 44: 633. 1895 syn. sec. Kew WCVP (2019) ≡ ×*Rowleyara hildmannii* (Hildm.) P.V.Heath in *Calyx* 1: 49. 1992 syn. sec. Kew WCVP (2019)

– *Phyllocactus londonii* Haage ex Labour., *Monogr. Cact.*: 429. 1853, nom. inval. syn. sec. Kew WCVP (2019)

***Disocactus eichlamii* (Weing.) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 259. 1913.** Sec. Cruz & al. (2016)

≡ *Phyllocactus eichlamii* Weing. in *Monatsschr. Kakteenk.* 21: 5. 1911 syn. sec. Cruz & al. (2016) ≡ *Trochilocactus eichlamii*

(Weing.) Lindling. in *Beih. Bot. Centralbl.* 61: 383. 1942 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum eichlamii* (Weing.)

L.O.Williams in *Fieldiana, Bot.* 29: 378. 1962 syn. sec. Cruz & al. (2016)

***Disocactus kinnachii* G.D.Rowley in *Brit. Cact. Succ. J.* 5: 84. 1987.** Sec. Bauer (2003)

≡ *Nopalxochia horichii* Kinnach in Cact. Succ. J. (Los Angeles) 56: 6. 1984 syn. sec. Bauer (2003)

***Disocactus lepidocarpus* (F.A.C.Weber) M.A.Cruz & S.Arias in *Willdenowia* 46(1): 157. 2016.** Sec. Cruz & al. (2016)

≡ *Phyllocactus lepidocarpus* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 462. 1902 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum lepidocarpum* (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 257. 1913 syn. sec. Cruz & al. (2016)

***Disocactus lodei* Veliz, L.Velásquez & R.Puente in *Cact.-Avent. Int.* 104: 2. 2014.** Sec. Cruz & al. (2016)

≡ *Heliocereus lodei* (Véliz, L.Velásquez & R.Puente) Véliz in *Int. Cact. Advent.* 105: 33. 2014 syn. sec. Korotkova (2021)

***Disocactus macdougallii* (Alexander) Barthlott in *Bradleya* 9: 88. 1991.** Sec. Cruz & al. (2016)

≡ *Lobeira macdougallii* Alexander in Cact. Succ. J. (Los Angeles) 16: 178. 1944 syn. sec. Cruz & al. (2016) ≡ *Heliocereus*

macdougallii (Alexander) Doweld in *Sukkulenty* 4(1-2): 42. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Nopalxochia*

macdougallii (Alexander) W.T.Marshall in *Cactus (Paris)* 4: 6. 1946 syn. sec. Cruz & al. (2016) – *Nopalopuntia macdougallii*

(Alexander) Bravo in *Cact. Suc. Mex.* 17(4): 119. 1972 syn. sec. Tropicos [is misspelling for *Nopalxochia macdougallii*

(Alexander) Bravo] – *Nopalxochia macdougallii* (Alexander) Bravo in *Cact. Suc. Mex.* 17 (4): 119. 1972 syn. sec. Tropicos:

21 feb 2021 [is later isonym of *Nopalxochia macdougallii* (Alexander) W.T.Marshall]

Notes. – Tropicos refers to an incorrect combination (<https://www.tropicos.org/name/50071225>). The correct combination is:

Nopalxochia macdougallii (Alexander) Bravo in *Cact. Suc. Mex.* 17 (4): 119. 1972 [Arias (2021)]

***Disocactus macranthus* (Alexander) Kinnach & Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 78. 1957.** Sec. Guzmán Cruz & al. (2003)

≡ *Pseudorhipsalis macrantha* Alexander in Cact. Succ. J. (Los Angeles) 14: 20. 1942 syn. sec. Cruz & al. (2016) ≡

Disisorhipsalis macrantha (Alexander) Doweld in *Sukkulenty* 4(1-2): 40. 2002 ["2001"] syn. sec. Cruz & al. (2016)

= *Disocactus macranthus* var. *glaucocladus* Ewald in *Epiphytes* 13(52): 107. 1989 syn. sec. Cruz & al. (2016)

***Disocactus nelsonii* (Britton & Rose) Lindling. in *Beih. Bot. Centralbl.* 61(3): 383. 1942.** Sec. Guzmán Cruz & al. (2003)

≡ *Epiphyllum nelsonii* Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 257. 1913 syn. sec. Cruz & al. (2016) ≡ *Phyllocactus*

nelsonii (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 116. 1913 syn. sec. Cruz & al. (2016) ≡ *Chiapasias nelsonii*

(Britton & Rose) Britton & Rose, *Cactaceae* 4: 203. 1923 syn. sec. Cruz & al. (2016) ≡ *Disocactus nelsonii* var. *nelsonii*

***Disocactus nelsonii* subsp. *hondurensis* (Kinnach) Doweld in *Sukkulenty* 4(1-2): 41. 2002 ["2001"].** Sec. Cruz & al. (2016)

≡ *Disocactus nelsonii* var. *hondurensis* Kinnach in Cact. Succ. J. (Los Angeles) 37: 33. 1965 syn. sec. Cruz & al. (2016) ≡

Chiapasias nelsonii var. *hondurensis* (Kinnach) Backeb. syn. sec. Cruz & al. (2016)

***Disocactus nelsonii* subsp. *nelsonii*.** Sec. Cruz & al. (2016)

= *Phyllocactus chiapensis* J.A.Purpus in *Monatsschr. Kakteenk.* 28: 118. 1918 syn. sec. Cruz & al. (2016)

***Disocactus phyllanthoides* (DC.) Barthlott in *Bradleya* 9: 88. 1991.** Sec. Guzmán Cruz & al. (2003)

≡ *Cactus phyllanthoides* DC., *Cat. Pl. Horti Monsp.*: 84. 1813 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum phyllanthoides* (DC.)

Sweet, *Hort. Brit.* 1: 172. 1826 syn. sec. Cruz & al. (2016) ≡ *Cereus phyllanthoides* (DC.) DC., *Prodr.* 3: 469. 1828 syn. sec.

Cruz & al. (2016) ≡ *Phyllocactus phyllanthoides* (DC.) Link, *Handbuch* 2: 11. 1829 syn. sec. Cruz & al. (2016) ≡ *Nopalxochia*

phyllanthoides (DC.) Britton & Rose, *Cactaceae* 4: 205. 1923 syn. sec. Cruz & al. (2016) ≡ *Heliocereus phyllanthoides* (DC.)

Doweld in *Sukkulenty* 4(1-2): 42. 2002 ["2001"] syn. sec. Cruz & al. (2016)

= *Cactus elegans* Link, *Enum. Hort. Berol. Alt.* 2: 25. 1822 syn. sec. Britton & Rose (1923)

= *Cereus phyllanthoides* var. *curtisii* Salm-Dyck, *Hort. Dyck.*: 65. 1834 syn. sec. Britton & Rose (1923)

= *Cereus phyllanthoides* var. *jenkinsonii* Salm-Dyck, *Hort. Dyck.*: 65. 1834 syn. sec. Britton & Rose (1923)

= *Cereus phyllanthoides* var. *quillardieri* Salm-Dyck, *Hort. Dyck.*: 65. 1834 syn. sec. Britton & Rose (1923)

= *Cereus phyllanthoides* var. *vandesii* Salm-Dyck, *Hort. Dyck.*: 65. 1834 syn. sec. Britton & Rose (1923)

- = *Cereus phyllanthoides* var. *albiflorus* Pfeiff., Enum. Diagn. Cact.: 124. 1837 syn. sec. Britton & Rose (1923)
 = *Opuntia speciosa* Steud., Nomencl. Bot., ed. 2, 2(2-5): 222. 1841 syn. sec. Britton & Rose (1923)
 = *Phyllocactus plukenetii* Kostelet., Index Seminum Pragense 1844: 104. 1844, nom. illeg. syn. sec. Kew WCVP (2019)
***Disocactus quezaltecus* (Standl. & Steyerm.) Kimmach in Cact. Succ. J. (Los Angeles) 31: 137. 1959.** Sec. Cruz & al. (2016)
 ≡ *Bonifazia quezalteca* Standl. & Steyerm. in Publ. Field Mus. Nat. Hist., Bot. Ser. 23: 66. 1944 syn. sec. Cruz & al. (2016) ≡
Epiphyllum quezaltecum (Standl. & Steyerm.) L.O. Williams in Fieldiana, Bot. 29: 378. 1962 syn. sec. Cruz & al. (2016)
***Disocactus salvadorensis* Cerén, Menjivar & S.Arias in Novon 25(2): 140. 2017.** Sec. Cerén & al. (2017)
***Disocactus speciosus* (Cav.) Barthlott in Bradleya 9: 87. 1991.** Sec. Cruz & al. (2016)
 ≡ *Cactus speciosus* Cav. in Anales Ci. Univ. Madrid 6: 339. 1803 syn. sec. Cruz & al. (2016) ≡ *Cereus speciosus* Cav. in Anales Ci. Univ. Madrid 6: 339. 1803 syn. sec. Cruz & al. (2016) ≡ *Epiphyllum speciosum* (Cav.) Haw., Suppl. Pl. Succ.: 84. 1819 syn. sec. Cruz & al. (2016) ≡ *Cereus speciosus* (Cav.) Sweet, Hort. Brit.: 172. 1826 syn. sec. Kew WCVP (2019) ≡ *Cereus speciosus* (Cav.) K.Schum. ex Engl. & Prantl, Nat. Pflanzenfam. 3(6a): 179. 1894 syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* (Cav.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 434. 1909 syn. sec. Cruz & al. (2016)
 = *Cereus bifrons* Haw., Suppl. Pl. Succ.: 76. 1819 syn. sec. Britton & Rose (1920)
 = *Cereus jenkinsonii* Sweet, Hort. Brit., ed. 2: 237. 1830 syn. sec. Kew WCVP (2019)
 = ?*Cereus setiger* Haw. in Philos. Mag. Ann. Chem. 9: 109. 1830 syn. sec. Britton & Rose (1920)
 = *Cereus hybridus* Otto in Allg. Gartenzeitung 1: 72. 1833 syn. sec. Kew WCVP (2019)
 = *Cereus coccineus* Engelm., Pl. Fendler.: 51. 1849 syn. sec. Kew WCVP (2019)
 = *Cereus lateritius* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 53. 1850 syn. sec. Britton & Rose (1920)
 = *Cereus speciosus* var. *coccineus* K.Schum., Gesamtbeschr. Kakt.: 154. 1897 syn. sec. Kew WCVP (2019)
***Disocactus speciosus* subsp. *bierianus* Ralf Bauer in EPIG 60: 31. 2008.** Sec. Cruz & al. (2016)
***Disocactus speciosus* subsp. *blomianus* (Kimmach) Ralf Bauer in Cactaceae Syst. Init. 17: 15. 2003.** Sec. Cruz & al. (2016)
 ≡ *Heliocereus aurantiacus* var. *blomianus* Kimmach in Cact. Succ. J. (Los Angeles) 62: 270. 1990 syn. sec. Cruz & al. (2016) ≡
Disocactus aurantiacus var. *blomianus* (Kimmach) E.Meier in Kakteen And. Sukk. 48: 7. 1997 syn. sec. Cruz & al. (2016)
***Disocactus speciosus* subsp. *cinnabarinus* (Eichlam ex Weing.) Ralf Bauer in Cactaceae Syst. Init. 17: 15. 2003.** Sec. Cruz & al. (2016)
 ≡ *Cereus cinnabarinus* Eichlam ex Weing. in Monatsschr. Kakteenk. 20: 161. 1910 syn. sec. Cruz & al. (2016) ≡ *Heliocereus cinnabarinus* (Eichlam ex Weing.) Britton & Rose, Cactaceae 2: 129. 1920 syn. sec. Cruz & al. (2016) ≡ *Disocactus cinnabarinus* (Eichlam ex Weing.) Barthlott in Bradleya 9: 87. 1991 syn. sec. Cruz & al. (2016)
***Disocactus speciosus* subsp. *heterodoxus* (Standl. & Steyerm.) M.A.Cruz & S.Arias in Willdenowia 46(1): 157. 2016.** Sec. Cruz & al. (2016)
 ≡ *Heliocereus heterodoxus* Standl. & Steyerm. in Publ. Field Mus. Nat. Hist., Bot. Ser. 23: 67. 1944 syn. sec. Cruz & al. (2016)
***Disocactus speciosus* subsp. *speciosus*.** Sec. Cruz & al. (2016)
 = *Cactus speciosissimus* Desf. in Mém. Mus. Hist. Nat. 3: 193. 1817 syn. sec. Cruz & al. (2016) ≡ *Cereus speciosissimus* (Desf.) Sweet, Hort. Brit.: 171. 1826 syn. sec. Kew WCVP (2019) ≡ *Cereus speciosissimus* (Desf.) DC., Prodr. 3: 468. 1828, nom. illeg. syn. sec. Berendsohn (2020) [non *Cereus speciosissimus* (Desf.) Sweet] ≡ *Heliocereus speciosissimus* (Desf.) Y.Itô, Cacti, ed. 2: 146. 1952 syn. sec. Cruz & al. (2016)
 = *Cereus schrankii* Zucc. ex Seitz in Allg. Gartenzeitung 2: 244. 1834 syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* (Zucc. ex Seitz) Britton & Rose in Contr. U.S. Natl. Herb. 12: 434. 1909 syn. sec. Cruz & al. (2016) ≡ *Disocactus schrankii* (Zucc. ex Seitz) Barthlott in Bradleya 9: 87. 1991 syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* subsp. *schrankii* syn. sec. Korotkova (2021)
 = *Cereus coccineus* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 122. 1837 syn. sec. Cruz & al. (2016) ≡ *Heliocereus coccineus* Britton & Rose in Contr. U.S. Natl. Herb. 12: 433. 1909 syn. sec. Cruz & al. (2016) ≡ *Heliocereus elegantissimus* Britton & Rose, Cactaceae 2: 127. 1920, nom. illeg. syn. sec. Cruz & al. (2016) ≡ *Cereus elegantissimus* A.Berger, Kakteen: 131. 1929, nom. illeg. syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* var. *elegantissimus* (Britton & Rose) Backeb., Cactaceae 4: 2121. 1960 syn. sec. Korotkova (2021) ≡ *Heliocereus speciosus* var. *elegantissimus* (Britton & Rose) Backeb., Cactaceae 4: 3232. 1960 syn. sec. Cruz & al. (2016)
 = *Cereus superbus* Ehrenb. in Bot. Zeitung (Berlin) 4: 324. 1846 syn. sec. Cruz & al. (2016) ≡ *Heliocereus superbus* (Ehrenb.) A.Berger, Kakteen: 131, 341. 1929 syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* var. *superbus* (Ehrenb.) Backeb., Cactaceae 4: 2120. 1960 syn. sec. Cruz & al. (2016)
 = *Cereus amecamensis* Heese in Rother, Prakt. Ratgeber Obst-Gartenbau 11: 442. 1896 syn. sec. Cruz & al. (2016) ≡ *Heliocereus amecamensis* (Heese) Britton & Rose in Contr. U.S. Natl. Herb. 12: 433. 1909 syn. sec. Cruz & al. (2016) ≡ *Cereus speciosus* var. *amecamensis* (Heese) Weing. in Berger, Kakteen: 131. 1929 syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* var. *amecamensis* (Heese) Bravo in Cact. Suc. Mex. 19: 47. 1974 syn. sec. Cruz & al. (2016) ≡ *Disocactus speciosus* f. *amecamensis* (Heese) Barthlott in Bradleya 9: 87. 1991 syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* subsp. *amecamensis* (Heese) Doweld in Sukkulenty 4(1-2): 41. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* var. *amecamensis* (Heese) Weing. in Berger, Kakteen: 131. 1929 syn. sec. Tropicos: 21 feb 2021 – *Heliocereus speciosus* subsp. *amecamensis* (Heese) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003, nom. inval. syn. sec. Cruz & al. (2016)
 = *Cereus amecaensis* Heese, Hesdörffers Monatsh. Blumen-Gartenfr. 1: 317. 1897 syn. sec. Cruz & al. (2016)
 = ?*Cereus ruber* Weing. in Monatsschr. Kakteenk. 15: 22. 1905 syn. sec. Britton & Rose (1920)

- = *Cereus serratus* Weing. in Monatsschr. Kakteenk. 22: 185. 1912 syn. sec. Cruz & al. (2016) ≡ *Heliocereus serratus* (Weing.) Borg, Cacti, ed. 2: 176. 1951 syn. sec. Cruz & al. (2016) ≡ *Heliocereus speciosus* var. *serratus* (Weing.) Backeb., Cactaceae 4: 2121. 1960 syn. sec. Cruz & al. (2016)
- = *Heliocereus elegantissimus* var. *helenae* Scheinvar in Phytologia 49: 317. 1981 syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* var. *helenae* (Scheinvar) Kimmach in Cact. Succ. J. (Los Angeles) 68: 217. 1996 syn. sec. Cruz & al. (2016) ≡ *Heliocereus elegantissimus* subsp. *helenae* (Scheinvar) Doweld in Sukkulenty 4(1-2): 41. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* subsp. *helenae* (Scheinvar) Doweld in Sukkulenty 4: 42. 2002 ["2001"] syn. sec. Korotkova (2021)
- = *Heliocereus luzmariae* Scheinvar in Cact. Succ. J. (Los Angeles) 57: 268. 1985 syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* subsp. *luzmariae* (Scheinvar) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Cruz & al. (2016)
- = *Heliocereus elegantissimus* var. *stenopetalus* Bravo ex S.Arias, U.Guzmán & Gama in Cact. Suc. Mex. 37: 72. 1992 syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* var. *stenopetalus* (Bravo ex S.Arias, U.Guzmán & Gama) Kimmach in Cact. Succ. J. (Los Angeles) 68: 217. 1996 syn. sec. Cruz & al. (2016) ≡ *Heliocereus elegantissimus* subsp. *stenopetalus* (Bravo ex S.Arias, U.Guzmán & Gama) Doweld in Sukkulenty 4(1-2): 41. 2002 ["2001"] syn. sec. Cruz & al. (2016) ≡ *Heliocereus schrankii* subsp. *stenopetalus* (Bravo ex S.Arias, U.Guzmán & Gama) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Cruz & al. (2016) – *Heliocereus elegantissimus* var. *stenopetalum* Bravo ex S.Arias, U.Guzmán & Gama in Cact. Succ. J. (Los Angeles) 37(3): 72. 1992 syn. sec. TPL (2013) [is orthographic variant for *Heliocereus elegantissimus* var. *stenopetalus* Bravo ex S.Arias, U.Guzmán & Gama]

***Echinocactus* Link & Otto in Verh. Vereins. Beförd. Gartenbaues Königl. Preuss. Staaten 3: 420. 1827. Sec. Vargas-Luna & al. (2018)**

Type: *Echinocactus platyacanthus* Link & Otto

- = *Echinofossulocactus* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 317. 1841 syn. sec. Vargas-Luna & al. (2018). Type: *Echinofossulocactus helophorus* (Lem.) Lawr.
- = *Brittonrosea* Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Vargas-Luna & al. (2018)
- = *Emorycactus* Doweld in Succulenta (Netherlands) 75: 270. 1996 syn. sec. Vargas-Luna & al. (2018). Type: *Emorycactus polycephalus* (Engelm. & J.M.Bigelow) Doweld
- = *Meyerocactus* Doweld in Succulenta (Netherlands) 75: 271. 1996 syn. sec. Vargas-Luna & al. (2018). Type: *Meyerocactus horizonthalonius* (Lem.) Doweld

Notes. – **Phylogenetics:** *Echinocactus* turns out to be paraphyletic in recent molecular studies (Bárcenas & al. 2011; Hernández-Hernández & al. 2011; Vázquez-Sánchez & al. 2013), with *E. grusonii* Hildm. resolved in a separate clade from the remaining four species. Vargas-Luna & al. (2018) showed that *Echinocactus* s.l. was paraphyletic with *Astrophytum* nested within, and *E. grusonii* resolved as sister to *Ferocactus*. They re-circumscribed *Echinocactus* to reflect this well-supported topology and also showed morphological characters to recognize two genera, *Echinocactus* s.s., and *Homalocephala*. It is clear that the monotypic *Kroenleinia grusonii* is not a member of *Echinocactus*, however, its distinction from *Ferocactus* is not entirely clear. See *Kroenleinia*. [Majure (2021)]

***Echinocactus* × *contractus* Hildm. in Monatsschr. Kakteenk. 1: 15. 1891. Sec. Britton & Rose (1922)**

– *Echinocactus* × *constrictus* Hildm., nom. inval. syn. sec. TPL (2013)

***Echinocactus horizonthalonius* Lem., Cact. Gen. Sp. Nov.: 19–20. 1839. Sec. Hernández & Gómez-Hinostrosa (2011)**

- ≡ *Meyerocactus horizonthalonius* (Lem.) Doweld in Succulenta (Netherlands) 75(6): 271. 1996 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus horizonthalonius* subsp. *horizonthalonius*
- = *Echinocactus equitans* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 88. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus horizontalis* C.F.Först., Handb. Cacteenk.: 327. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus pachycornis* Muehlenpf. in Allg. Gartenzeitung 14: 371. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus horizonthalonius* var. *curvispinus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 146. 1850 syn. sec. Tropicos ≡ *Echinocactus horizonthalonius* f. *curvispinus* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 146. 1907 syn. sec. Tropicos
- = *Echinocactus horizonthalonius* var. *centrispinus* Engelm. in Proc. Amer. Acad. Arts 3: 276. 1856 syn. sec. Tropicos ≡ *Echinocactus horizonthalonius* f. *centrispinus* (Engelm.) Schelle, Kakteen: 186. 1926 syn. sec. Kew WCVP (2019)
- = *Echinocactus laticostatus* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 32. 1857 syn. sec. Kew WCVP (2019)
- = *Echinocactus horizonthalonius* var. *obscurispinus* Rud.Mey. in Monatsschr. Kakteenk. 21: 181. 1911 syn. sec. Kew WCVP (2019) ≡ *Echinocactus horizonthalonius* f. *obscurispinus* (Rud.Mey.) Schelle, Kakteen: 186. 1926 syn. sec. Kew WCVP (2019)
- = *Echinocactus horizonthalonius* var. *equitans* Schmoll in Cat. 1947 syn. sec. WFO 2019
- = *Echinocactus horizonthalonius* var. *laticostatus* Schmoll in Cat. 1947 syn. sec. WFO 2019
- = *Echinocactus horizonthalonius* var. *subikii* Staník & Dráb in Cactaceae etc. 8(1): 8. 1998 syn. sec. Tropicos
- = *Echinocactus horizonthalonius* subsp. *jarmilae* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 34. 2000 syn. sec. Kew WCVP (2019)
- = *Echinocactus horizonthalonius* subsp. *diabolicus* Halda, L.Vacek & Vaško in Acta Mus. Richnov., Sect. Nat., 13: 1. 2006 syn. sec. Kew WCVP (2019)

***Echinocactus horizonthalonius* var. *horizonthalonius*. Sec. Hernández & Gómez-Hinostrosa (2011)**

***Echinocactus horizonthalonius* var. *nicholii* L.D.Benson, Cacti Ariz., ed. 3: 23. 1969. Sec. Hernández & Gómez-Hinostrosa (2011)**

- ≡ *Meyerocactus horizonthalonius* subsp. *nicholii* (L.D.Benson) Doweld in Sukkulenty 1(2): 27. 1999 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus horizonthalonius* subsp. *nicholii* (L.D.Benson) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003

***Echinocactus platyacanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 423. 1827.** Sec. Hernández & Gómez-Hinostrosa (2011)

- = *Melocactus platyacanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 14. 1827 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus tuberculatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 14. 1827 syn. sec. Kew WCVP (2019)
- = *Melocactus tuberculatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 26. 1827 syn. sec. Kew WCVP (2019)
- = *Echinocactus tuberculatus* var. *spiralis* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Kew WCVP (2019)
- = *Echinocactus ingens* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 54. 1837 syn. sec. Vargas-Luna & al. (2018) ≡ *Melocactus ingens* Karw. ex Pfeiff., Enum. Diagn. Cact.: 54. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus karwinskii* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 50. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus oligacanthus* Mart. ex Pfeiff., Enum. Diagn. Cact.: 53. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus minax* Lem., Cact. Aliq. Nov.: 18. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus platyceras* Lem., Cact. Aliq. Nov.: 19. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus arachnoideus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 90. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus aulacogonus* Lem., Cact. Gen. Sp. Nov.: 14. 1839 syn. sec. Kew WCVP (2019) ≡ *Echinocactus aulacogonus* var. *diacopaulax* Lem., Cact. Gen. Sp. Nov.: 15. 1839 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ingens* f. *aulacogonus* (Lem.) Schelle, Kakteen: 189. 1926 syn. sec. Tropicos
- = *Echinocactus ghiesbreghtianus* Lem., Hort. Universel 1: 227. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus helophorus* Lem., Cact. Gen. Sp. Nov.: 12. 1839 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinofossulocactus helophorus* (Lem.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ingens* var. *helophorus* (Lem.) K.Schum., Gesamtbeschr. Kakt.: 317. 1898 syn. sec. WFO 2019 ≡ *Echinocactus ingens* f. *helophorus* (Lem.) Schelle, Handb. Kakteenkult.: 149. 1907 syn. sec. WFO 2019
- = *Echinocactus helophorus* var. *laevior* Lem., Cact. Gen. Sp. Nov.: 13. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus helophorus* var. *longifossulatus* Lem., Cact. Gen. Sp. Nov.: 13. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus irroratus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 90. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus macracanthus* de Vriese in Tijdschr. Nat. Geschied. 6: 49. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus minax* var. *laevior* Lem., Cact. Gen. Sp. Nov.: 86. 1839 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus karwinskianus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus platyceras* (Lem.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)
- = *Echinocactus visnaga* Hook. in Gard. Chron. 1845: 133. 1845 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinocactus platyacanthus* f. *visnaga* (Hook.) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinocactus viznaga* Hook. in Gard. Chron. 1845: 133. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus ingens* f. *visnaga* (Hook.) Voss, Vilm. Blumengärtn., ed. 3, 1: 372. 1894 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ingens* var. *visnaga* (Hook.) K.Schum., Gesamtbeschr. Kakt.: 317. 1898 syn. sec. Kew WCVP (2019)
- = *Echinocactus edulis* Haage ex C.F.Först., Handb. Cacteenk.: 346. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus platyceras* var. *laevior* C.F.Först., Handb. Cacteenk.: 325. 1846 syn. sec. WFO 2019
- = *Echinocactus platyceras* var. *minax* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 324. 1846 syn. sec. WFO 2019
- = *Echinocactus macracanthus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 26. 1850 syn. sec. Kew WCVP (2019) ≡ *Copiapoa macracantha* (Salm-Dyck) Meregalli in Pianta Grasse 11(4): 38. 1992 ["1991"] syn. sec. WFO 2019
- = *Echinocactus oligacanthus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 31. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus saltillensis* Poselg. in Allg. Gartenzeitung 21: 101. 1853 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ingens* var. *saltillensis* (Poselg.) K.Schum., Gesamtbeschr. Kakt.: 317. 1898 syn. sec. Tropicos ≡ *Echinocactus ingens* f. *saltillensis* (Poselg.) Schelle, Handb. Kakteenkult.: 149. 1907 syn. sec. WFO 2019 ≡ *Coryphantha poselgeriana* var. *saltillensis* (Poselg.) L.Bremer in Cact. Suc. Mex. 22: 16. 1977 syn. sec. Tropicos
- = *Echinocactus karwinskianus* Burkart in Monatsschr. Kakteenk. 1: 126. 1891 syn. sec. Britton & Rose (1922)
- = *Echinocactus ingens* var. *subinermis* K.Schum., Gesamtbeschr. Kakt.: 317. 1898 syn. sec. WFO 2019
- = *Echinocactus grandis* Rose in Contr. U.S. Natl. Herb. 10: 126. 1906 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinocactus platyacanthus* f. *grandis* (Rose) Bravo in Cact. Suc. Mex. 25: 64. 1980 syn. sec. Tropicos
- = *Echinocactus ingens* var. *grandis* Speg. in Monatsschr. Kakteenk. 17: 116. 1907 syn. sec. Vargas-Luna & al. (2018)
- = *Echinocactus palmeri* Rose in Contr. U.S. Natl. Herb. 12: 290. 1909 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinocactus platyacanthus* var. *palmeri* (Rose) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 70. 1942 syn. sec. Vargas-Luna & al. (2018)
- = *Echinocactus grandis* subsp. *polycormus* Řiha & Tabasco in Kaktusy (Brno) 33: 81. 1997 syn. sec. Kew WCVP (2019) ≡ *Echinocactus grandis* f. *polycormus* Řiha & Tabasco in Kaktusy (Brno) 33: 81. 1997 syn. sec. WFO 2019

***Echinocereus* Engelm., Mem. Tour N. Mexico: 91. 1848.** Sec. Sánchez & al. (2018)

Type: *Echinocereus viridiflorus* Engelm.

= *Wilcoxia* Britton & Rose in Contr. U.S. Natl. Herb. 12: 434. 1909 syn. sec. Hunt (2006). Type: *Wilcoxia poselgeri* (Lem.) Britton & Rose

Notes. – **Phylogenetics:** Phylogenetic analyses using cpDNA (Sánchez & al. 2014) showed the monophyly of *Echinocereus* but excluding *E. pensilis* J.A.Purpus. *Echinocereus pensilis* was segregated as the monotypic genus *Morangaya* G.D.Rowley as sister to *Stenocereus* (A.Berger) Riccob., *Myrtillocactus* Console, *Escontria* Rose, and *Polaskia* Backeb. The monophyly of *Echinocereus* has been corroborated by the analysis of morphological characters (Sánchez & al. 2015, 2018). *Echinocereus* is

one of the most diverse lineages of the family and species delimitation is often challenging due to extreme morphological variation in some species complexes. [Sánchez (2021)]

***Echinocereus acanthosetus* (S.Arias & U.Guzmán) Gómez-Quintero & Dan.Sánchez in Brittonia 72 (4): 446. 2020.** Sec. Sánchez & al. (2020)

≡ *Echinocereus pulchellus* var. *acanthosetus* S.Arias & U.Guzmán, Fl. Valle Tehuacán-Cuicatlán 14 (Cactac.): 63. 1997 syn. sec. Sánchez & al. (2020) ≡ *Echinocereus pulchellus* subsp. *acanthosetus* (S.Arias & U.Guzmán) W.Blum, *Echinocereus*: 259. 1998 syn. sec. Sánchez & al. (2020)

***Echinocereus acifer* (Otto ex Salm-Dyck) Jacobi in Allg. Gartenzeitung 24: 109. 1856.** Sec. Sánchez & al. (2018)

≡ *Cereus acifer* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 189. 1850 syn. sec. Sánchez (2021) ≡ *Echinocereus acifer* (Otto ex Salm-Dyck) J.N.Haage in Cacteen Verz.: 19. 1859 syn. sec. Sánchez (2021) ≡ *Echinocereus acifer* (Otto ex Salm-Dyck) Lem. in Rümpler, Handb. Cacteenk., ed. 2: 798. 1885 syn. sec. Sánchez (2021) ≡ *Echinocereus triglochidiatus* var. *acifer* (Otto ex Salm-Dyck) Bravo in Cact. Suc. Mex. 23: 66. 1978 syn. sec. Sánchez (2021) ≡ *Echinocereus polyacanthus* subsp. *acifer* (Otto ex Salm-Dyck) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997 syn. sec. Sánchez (2021) ≡ *Echinocereus triglochidiatus* subsp. *acifer* (Otto ex Salm-Dyck) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Sánchez (2021) ≡ *Echinocereus acifer* subsp. *acifer* syn. sec. Sánchez (2021)

≡ *Echinopsis valida* var. *densa* Regel in Gartenflora 1: 295. 1852 syn. sec. Sánchez (2021) ≡ *Echinocereus polyacanthus* var. *densus* (Regel) N.P.Taylor in Kew Mag. 1: 159. 1984 syn. sec. Sánchez (2021)

≡ *Echinocereus acifer* var. *brevispinulus* Jacobi in Rümpler, Handb. Cacteenk., ed. 2: 798. 1885 syn. sec. Blum & al. (2018)

≡ *Echinocereus acifer* var. *tenuispinus* Jacobi in Rümpler, Handb. Cacteenk., ed. 2: 798. 1885 syn. sec. Blum & al. (2018)

≡ *Echinocereus acifer* var. *trichacanthus* Hildm. in Monatsschr. Kakteenk. 1: 44. 1891 syn. sec. Blum & al. (2018)

≡ *Echinocereus acifer* subsp. *tubiflorus* W.Rischer, *Echinocereus Monogr.*: 1. 1998 syn. sec. Sánchez (2021)

≡ *Echinocereus acifer* subsp. *ventanensis* W.Rischer in *Echinocereenfreund* 22: 63. 2009 syn. sec. Sánchez (2021)

***Echinocereus adustus* Engelm., Mem. Tour N. Mexico: 104. 1848.** Sec. Sánchez & al. (2018)

≡ *Cereus adustus* (Engelm.) Engelm., Pl. Fendler.: 50. 1849 syn. sec. Sánchez (2021) ≡ *Cereus pectinatus* f. *adustus* (Engelm.) Voss, Vilm. Blumengärtn., ed. 3, 1: 278. 1894 syn. sec. Sánchez (2021) ≡ *Echinocereus pectinatus* var. *adustus* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 271. 1898 syn. sec. Sánchez (2021)

Notes. – The three subspecies of *E. adustus* show variation in the number and length of both central and radial spines, and have minor differences in flowers and fruits. *Echinocereus adustus* subsp. *roemerianus* represents the most different taxon of them. [Sánchez (2021)]

***Echinocereus adustus* subsp. *adustus*.** Sec. Rischer & Blum (2014)

≡ *Echinocereus radians* Engelm., Mem. Tour N. Mexico: 104. 1848 syn. sec. Rischer & Blum (2014) ≡ *Cereus adustus* var. *radians* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 387. 1896 syn. sec. Rischer & Blum (2014)

≡ *Echinocereus rufispinus* Engelm., Mem. Tour N. Mexico: 104. 1848 syn. sec. Rischer & Blum (2014) ≡ *Cereus rufispinus* (Engelm.) Engelm., Pl. Fendler.: 50. 1849 syn. sec. Rischer & Blum (2014) ≡ *Cereus pectinatus* f. *rufispinus* (Engelm.) Voss, Vilm. Blumengärtn., ed. 3, 1: 378. 1894 syn. sec. Rischer & Blum (2014)

***Echinocereus adustus* subsp. *roemerianus* W.Rischer in Echinocereenfreund 16: 44. 2003.** Sec. Rischer & Blum (2014)

***Echinocereus adustus* subsp. *schwarzii* (A.B.Lau) N.P.Taylor in Cactaceae Consensus Init. 3: 8. 1997.** Sec. Hunt (2016)

≡ *Echinocereus schwarzii* A.B.Lau in Cact. Succ. J. (Los Angeles) 54(1): 28. 1982 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus adustus* var. *schwarzii* (A.B.Lau) N.P.Taylor in Kew Mag. 2: 268. 1985 syn. sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus madrensis* Patoni in Alianza Cient. Univ. 1: 42. 1910 syn. sec. Rischer & Blum (2014)

***Echinocereus arizonicus* Rose ex Orcutt in Cactography 1: 3. 1926.** Sec. Sánchez & al. (2018)

≡ *Echinocereus triglochidiatus* var. *arizonicus* (Rose ex Orcutt) L.D.Benson, Cacti Ariz., ed. 3: 21. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus coccineus* var. *arizonicus* (Rose ex Orcutt) D.J.Ferguson in Cact. Succ. J. (Los Angeles) 61: 221. 1989 syn. sec. Parfitt & Gibson (2003)

***Echinocereus arizonicus* subsp. *arizonicus*.** Sec. Baker (2006)

≡ *Echinocereus arizonicus* subsp. *oldachiorum* W.Blum & P.B.Breslin in *Echinocereenfreund Sonderausg.* 31: 371. 2018 syn. sec. Sánchez (2021)

Notes. – Blum & Breslin (2018) described the new new subspecies *E. arizonicus* subsp. *oldachiorum*. The authors mention that this new taxon has a shorter seed length, but there are no statistical tests or any other evidence to support this taxon as distinct. The number of ribs and spines, as well as the spine length are shared with the typical *E. arizonicus*. [Sánchez (2021)]

***Echinocereus arizonicus* subsp. *matudae* (Bravo) Rutow in Echinocereenfreund 7: 54. 1994.** Sec. Baker (2006)

≡ *Echinocereus matudae* Bravo in Anales Inst. Biol. Univ. Nac. México 31: 119. 1961

***Echinocereus arizonicus* subsp. *nigrihorridispinus* W.Blum & Rutow, Echinocereus Monogr.: 3. 1998.** Sec. Baker (2006)

***Echinocereus barthelowanus* Britton & Rose, Cactaceae 3: 41. 1922.** Sec. Sánchez & al. (2018)

***Echinocereus berlandieri* (Engelm.) Haage, Preisverzeichniss Cact. Succ.: 19. 1859.** Sec. Sánchez & al. (2018)

≡ *Cereus berlandieri* Engelm. in Proc. Amer. Acad. Arts 3: 286. 1856 syn. sec. Parfitt & Gibson (2003)

≡ *Cereus blanckii* Poselg. in Allg. Gartenzeitung 21: 134. 1853 syn. sec. Sánchez (2021) ≡ *Echinocereus blanckii* (Poselg.) Palmer in Rev. Hort. 37: 92. 1865 syn. sec. Sánchez (2021) ≡ *Echinocereus berlandieri* var. *blanckii* (Poselg.) P.Fourn., Cactées Pl. Grasses: 21. 1935 syn. sec. Sánchez (2021)

- = *Echinocereus poselgerianus* Linke in Allg. Gartenzeitung 25: 239. 1857 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cereus poselgerianus* (Linke) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 80. 1905 syn. sec. Sánchez (2021) ≡ *Echinocereus berlandieri* var. *poselgerianus* (Linke) Lodé in Cact. Avent. 16: 17. 1992 syn. sec. Guzmán Cruz & al. (2003)
 = *Echinocereus blanckii* var. *angusticeps* L.D.Benson syn. sec. Tropicos

***Echinocereus blumii* D.Felix & H.Bauer, *Echinocereus* Sekt. *Echinocereus*: 221. 2012. Sec. Blum & al. (2012)**

Notes. – See under *Echinocereus neocapillus*. [Sánchez (2021)]

***Echinocereus bonkeriae* Thornber & Bonker, *Fantast. Clan*: 71–73. 1932. Sec. Parfitt & Gibson (2003)**

- ≡ *Echinocereus fendleri* var. *bonkeriae* (Thornber & Bonker) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 260. 1944 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus boyce-thompsonii* var. *bonkeriae* (Thornber & Bonker) Peebles in Leaf. W. Bot. 5(12): 192. 1949 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus fasciculatus* var. *bonkeriae* (Thornber & Bonker) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fasciculatus* subsp. *bonkeriae* (Thornber & Bonker) N.P.Taylor in Cactaceae Consensus Init. 3: 8. 1997 syn. sec. Parfitt & Gibson (2003)

***Echinocereus bonkeriae* subsp. *apachensis* (W.Blum & Rutow) A.D.Zimmerman in *Haseltonia* 15: 120. 2009. Sec. Baker & al. (2009)**

- ≡ *Echinocereus apachensis* W.Blum & Rutow, *Echinocereus*: 101. 1998 syn. sec. Baker & al. (2009)

Notes. – *Echinocereus bonkeriae* subsp. *apachensis* differs from typical *E. bonkeriae* in spininess; however, intermediate spine forms are highly variable (Baker & al. 2009). [Sánchez (2021)]

***Echinocereus bonkeriae* subsp. *bonkeriae*. Sec. Baker & al. (2009)**

***Echinocereus brandegeei* (J.M.Coult.) K.Schum., *Gesamtbeschr. Kakt.*: 290. 1898. Sec. Sánchez & al. (2018)**

- ≡ *Cereus brandegeei* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 389. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus brandegeei* (J.M.Coult.) Schelle, Handb. Kakteenkult.: 140. 1907 syn. sec. Britton & Rose (1922)
 = *Cereus mamillatus* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 405. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus mamillatus* (Engelm.) Britton & Rose, Cactaceae 3: 41. 1922 syn. sec. Guzmán Cruz & al. (2003)
 = *Cereus sanborgianus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 398. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus sanborgianus* (J.M.Coult.) K.Schum., Gesamtbeschr. Kakt.: 274. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus brandegeei* var. *sanborgianus* (J.M.Coult.) Lodé in Repert. Pl. Succ. 45: 9. 1994 syn. sec. Britton & Rose (1922)

***Echinocereus bristolii* W.T.Marshall in *Cact. Succ. J. (Los Angeles)* 9: 160. 1938. Sec. Sánchez & al. (2018)**

- ≡ *Echinocereus pectinatus* var. *bristolii* (W.T.Marshall) W.T.Marshall in Saguaroland Bull. 10: 81. 1956 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus canus* D.Felix & H.Bauer, *Echinocereus* Sekt. *Echinocereus*: 259. 2012. Sec. Blum & al. (2012)**

- ≡ *Echinocereus viridiflorus* var. *canus* A.M.Powell & Weedon, *Echinocereus* Sekt. *Echinocereus*: 254. 2012 syn. sec. Blum & al. (2012) – *Echinocereus viridiflorus* var. *canus* A.M.Powell & Weedon, Cacti Trans-Pecos: 273. 2004, nom. inval. syn. sec. Blum & al. (2012)

***Echinocereus carmenensis* W.Blum, Mich.Lange & Scherer, *Echinocereus Monogr.*: 3. 1998. Sec. Blum & al. (2012)**

Notes. – See under *Echinocereus neocapillus* [Sánchez (2021)]

***Echinocereus chaletii* W.Rischer in *Cactus & Co.* 13(3): 49. 2009. Sec. Rischer**

- ≡ *Echinocereus scheeri* subsp. *chaletii* (W.Rischer) N.P.Taylor in Cactaceae Syst. Init. 34: 12. 2016 syn. sec. Sánchez (2021)

***Echinocereus chisosensis* W.T.Marshall in *Cact. Succ. J. (Los Angeles)* 12(1): 15. 1940. Sec. Sánchez & al. (2018)**

- ≡ *Echinocereus reichenbachii* var. *chisosensis* (W.T.Marshall) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969

***Echinocereus chisosensis* subsp. *chisosensis*. Sec. Hunt (2016)**

***Echinocereus chisosensis* subsp. *fobeanus* (Oehme) N.P.Taylor in *Cactaceae Syst. Init.* 19: 10. 2005. Sec. Hunt (2016)**

- ≡ *Echinocereus fobeanus* Oehme in Beitr. Sukkulenteenk. Sukkulenteenpflege 1940: 49–50. 1940 ≡ *Echinocereus chisosensis* var. *fobeanus* (Oehme) N.P.Taylor in Kew Mag. 2: 261. 1985

***Echinocereus chloranthus* (Engelm.) J.N.Haage in *Preis-Verz. Cact.*: 19. 1859. Sec. Sánchez & al. (2018)**

- ≡ *Cereus chloranthus* Engelm. in Proc. Amer. Acad. Arts 3: 278–279. 1856 syn. sec. Blum & al. (2012) ≡ *Echinocereus viridiflorus* var. *chloranthus* (Engelm.) Backeb., Cactaceae 4: 2015. 1960 syn. sec. Blum & al. (2012) ≡ *Echinocereus viridiflorus* subsp. *chloranthus* (Engelm.) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997 syn. sec. Blum & al. (2012) ≡ *Echinocereus chloranthus* Haage in Preis-Verz. Cact.: 22 syn. sec. Blum & al. (2012)
 = *Cereus viridiflorus* var. *cylindricus* Engelm. in Proc. Amer. Acad. Arts 3: 278. 1856 syn. sec. Blum & al. (2012) ≡ *Cereus viridiflorus* var. *cylindricus* Engelm., Syn. Cact. U.S.: 22. 1856 syn. sec. Blum & al. (2012) ≡ *Echinocereus viridiflorus* var. *cylindricus* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 812. 1885 syn. sec. Blum & al. (2012) ≡ *Echinocereus viridiflorus* subsp. *cylindricus* (Engelm.) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997 syn. sec. Blum & al. (2012) ≡ *Echinocereus chloranthus* var. *cylindricus* (Engelm.) N.P.Taylor in Kew Mag. 1: 169. 1984 syn. sec. Blum & al. (2012) ≡ *Echinocereus chloranthus* subsp. *cylindricus* (Engelm.) W.Blum & Mich.Lange, *Echinocereus* Prepr.: 3. 1998 syn. sec. Blum & al. (2012)
 = *Echinocereus chloranthus* Rümpler, Handb. Cacteenk., ed. 2: 814. 1885 syn. sec. Tropicos
 = *Cereus viridiflorus* var. *tubulosus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 383. 1896 syn. sec. Sánchez (2021) ≡ *Echinocereus viridiflorus* var. *tubulosus* (J.M.Coult.) A.Heller in Cat. N. Amer. Pl. ed. 2: 8. 1900 syn. sec. Sánchez (2021)
 = *Echinocereus standleyi* Britton & Rose, Cactaceae 3: 24. 1922 syn. sec. Sánchez (2021)

- = *Echinocereus chloranthus* subsp. *rhyolitensis* W.Blum & Mich.Lange, *Echinocereus* Monogr.: 4. 1998 syn. sec. Sánchez (2021)
 = *Echinocereus chloranthus* subsp. *rhyolithensis* W.Blum & Mich.Lange, *Echinocereus* Monogr.: 4. 1998 syn. sec. Sánchez (2021)

– *Echinocereus viridiflorus* var. *intermedius* Backeb., *Cactaceae* 4: 2015. 1960, nom. inval. syn. sec. Blum & al. (2012)

Notes. – *Echinocereus chloranthus* was suggested to comprise the two subspecies: *E. chloranthus* subsp. *chloranthus* and *E. chloranthus* subsp. *rhyolitensis* (Blum & al. 2012). However, morphological variation and geographical distribution are continuous, therefore *E. chloranthus* subsp. *rhyolitensis* is synonymized with *E. chloranthus* here. [Sánchez (2021)]

***Echinocereus cinerascens* (DC.) Lem., Cact. Gen. Sp. Nov.: 56. 1839.** Sec. Sánchez & al. (2018)

≡ *Cereus cinerascens* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828

= *Cereus cinerascens* var. *crassior* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Britton & Rose (1922) ≡ *Echinocereus cinerascens* var. *crassior* Rümpler, Handb. Cacteenk., ed. 2: 787. 1885 syn. sec. Britton & Rose (1922)

= *Cereus cinerascens* var. *tenuior* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828 syn. sec. Britton & Rose (1922)

= *Cereus aciniformis* Pfeiff., Enum. Diagn. Cact.: 101. 1837 syn. sec. Blum & al. (1998)

= *Cereus deppii* Pfeiff., Enum. Diagn. Cact.: 101. 1837 syn. sec. Blum & al. (1998)

= *Cereus aciniformis* Steud., Nomencl. Bot., ed. 2, 1: 333. 1840 syn. sec. Sánchez (2021)

= *Echinocereus deppii* K.Schum. in Monatsschr. Kakteenk. 5: 123. 1895 syn. sec. Blum & al. (1998)

= *Echinocereus undulatus* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 261. 1898 syn. sec. Britton & Rose (1922)

– *Echinocereus glycimorphus* var. *undulatus* Schelle, Handb. Kakteenkult.: 126. 1907, nom. nud. syn. sec. Blum & al. (1998)

***Echinocereus cinerascens* subsp. *cinerascens*.** Sec. Guzmán Cruz & al. (2003)

= *Cereus ehrenbergii* Pfeiff. in Allg. Gartenzeitung 8: 282. 1840 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus ehrenbergii* (Pfeiff.) Engelm. ex J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus ehrenbergii* (Pfeiff.) Rümpler, Handb. Cacteenk., ed. 2: 775. 1885 ≡ *Echinocereus pentalophus* var. *ehrenbergii* (Pfeiff.) Backeb., *Cactaceae* 4: 2003. 1960 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus cinerascens* var. *ehrenbergii* (Pfeiff.) Bravo in Cact. Suc. Mex. 19: 47. 1974 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus cinerascens* subsp. *ehrenbergii* (Pfeiff.) W.Blum & Rutow, *Echinocereus* Monogr.: 4. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus chlorophthalmus* Hook. in Bot. Mag. 76: t. 4486. 1850 syn. sec. Blum & al. (1998) ≡ *Echinocereus chlorophthalmus* (Hook.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 242. 1913 syn. sec. Blum & al. (1998) – *Echinocactus chlorophthalmus* Hook. in Bot. Mag. 76: t. 4486. 1850 syn. sec. TPL (2013) [is misspelling for *Echinocactus chlorophthalmus* Hook.]

= *Cereus cirrhifer* Labour., Monogr. Cact.: 311. 1853 syn. sec. Tropicos ≡ *Echinocereus cirrhifer* (Labour.) J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. Tropicos – *Echinocereus cirrhiferus* (Labour.) J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. TPL (2013) [is misspelling for *Echinocereus cirrhifer* (Labour.) J.N.Haage]

= *Echinocereus glycimorphus* C.F.Först. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 800. 1886 syn. sec. Tropicos ≡ *Cereus glycimorphus* (C.F.Först. ex Rümpler) Orcutt in W. Amer. Sci. 13: 12. 1902 syn. sec. Guzmán Cruz & al. (2003) – *Cereus glycimorphus* (C.F.Först. ex Rümpler) Orcutt, Seed Pl. Co. Cat. Cact. 1903: 5. 1903, nom. inval. syn. sec. Kew WCVP (2019)

Echinocereus cinerascens* subsp. *septentrionalis* (N.P.Taylor) N.P.Taylor in *Cactaceae Consensus Init. 3: 8. 1997. Sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus cinerascens* var. *septentrionalis* N.P.Taylor in Bradleya 6: 68. 1988 syn. sec. Guzmán Cruz & al. (2003)

Echinocereus cinerascens* subsp. *tulensis* (Bravo) N.P.Taylor in *Cactaceae Consensus Init. 3: 8. 1997. Sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus tulensis* Bravo in Cact. Suc. Mex. 18(4): 110. 1973 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus cinerascens* var. *tulensis* (Bravo) N.P.Taylor in Bradleya 6: 69. 1988 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus coccineus* Engelm., Mem. Tour N. Mexico: 93. 1848.** Sec. Sánchez & al. (2018)

≡ *Echinocereus triglochidiatus* var. *coccineus* (Engelm.) W.T.Marshall & T.M.Bock, *Cactaceae*: 117. 1941 ≡ *Echinocereus triglochidiatus* subsp. *coccineus* (Engelm.) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003

= *Cereus coccineus* var. *cylindricus* Engelm. in Mem. Amer. Acad. Arts n.s., 4: 51. 1849 syn. sec. Blum & al. (2017)

= *Cereus aggregatus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 395. 1896 syn. sec. Parfitt & Gibson (2003)

= *Echinocereus conoideus* var. *cristata* Houghton in J. Cact. Succ. Soc. Amer. 2: 490. 1931 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Echinocereus coccineus* subsp. *aggregatus* (Engelm.) W.Blum, Mich.Lange & Rutow, *Echinocereus* Prepr.: 4. 1998 syn. sec. Sánchez (2021)

= *Echinocereus coccineus* subsp. *transpecosensis* W.Blum, Oldach & J.Oldach in Cact. Explor. 14: 59. 2015 syn. sec. Sánchez (2021)

Notes. – *Echinocereus coccineus* subsp. *transpecosensis* and *E. coccineus* subsp. *aggregatus* represent intermediate taxa between the typical *E. coccineus* and some other subspecies. We do not recommend accepting them in the absence of more evidence. [Sánchez (2021)]

***Echinocereus coccineus* subsp. *coccineus*.** Sec. Blum & al. (2017)

= *Cereus coccineus* var. *melanacanthus* Engelm. in Mem. Amer. Acad. Arts n.s., 4: 51. 1849 syn. sec. Blum & al. (2017) ≡ *Echinocereus triglochidiatus* var. *melanacanthus* (Engelm.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 253. 1944 syn. sec. Blum & al. (2017) ≡ *Echinocereus melanacanthus* Engelm. ex W.H.Earle, Cact. South. 4: 61. 1963 syn. sec. Blum & al. (2017)

- = *Cereus phoeniceus* Engelm. in Proc. Amer. Acad. Arts 3: 284. 1856 syn. sec. Blum & al. (2017) ≡ *Cereus phoeniceus* Engelm. & Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 34. 1857 syn. sec. Blum & al. (2017) ≡ *Echinocereus phoeniceus* (Engelm.) Lem., Cactées: 57. 1868 syn. sec. Blum & al. (2017)
- = *Cereus conoideus* Engelm. & J.M. Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 36. 1857 syn. sec. Blum & al. (2017) ≡ *Cereus phoeniceus* subsp. *conoideus* (Engelm. & J.M. Bigelow) Engelm. & J.M. Bigelow in Proc. Amer. Acad. Arts 3: 284. 1856 syn. sec. Blum & al. (2017) ≡ *Echinocereus conoideus* (Engelm. & J.M. Bigelow) Rümpler, Handb. Cacteenk., ed. 2: 807. 1885 syn. sec. Blum & al. (2017) ≡ *Echinocereus phoeniceus* var. *conoideus* (Engelm. & J.M. Bigelow) K. Schum., Gesamtbeschr. Kakt.: 283. 1898 syn. sec. Blum & al. (2017)
- = *Echinocereus krausei* De Smet, Suppl. Prix-Cour. Gén. (Cat. 11) 10: 6. 1878 syn. sec. Tropicos
- = *Echinocereus phoeniceus* Rümpler, Handb. Cacteenk., ed. 2: 788. 1885 syn. sec. Sánchez (2021)
- = *Echinocereus phoeniceus* var. *albispinus* Rümpler, Handb. Cacteenk., ed. 2: 789. 1885 syn. sec. Blum & al. (2017)
- = *Echinocereus phoeniceus* var. *longispinus* Rümpler, Handb. Cacteenk., ed. 2: 789. 1885 syn. sec. Blum & al. (2017)
- = *Echinocereus phoeniceus* var. *rufispinus* Rümpler, Handb. Cacteenk., ed. 2: 789. 1885 syn. sec. Blum & al. (2017)
- = *Echinocereus neomexicanus* Standl. in Bull. Torrey Bot. Club 35: 87. 1908 syn. sec. Sánchez (2021) ≡ *Echinocereus triglochidiatus* var. *neomexicanus* (Standl.) W.T. Marshall in Marshall & Bock, Cactaceae: 118. 1941 syn. sec. Sánchez (2021) ≡ *Echinocereus polyacanthus* var. *neomexicanus* (Standl.) D. Weniger, Cacti Southwest: 44. 1970 syn. sec. Sánchez (2021)
- = *Echinocereus phoeniceus* var. *phoeniceus* Clover & Jotter in Bull. Torrey Bot. Club 68: 417. 1941 syn. sec. Sánchez (2021)
- = *Echinocereus triglochidiatus* var. *toroweapensis* P.C. Fisch. in Cact. Succ. J. (Los Angeles) 63: 195. 1991 syn. sec. Sánchez (2021) ≡ *Echinocereus toroweapensis* (P.C. Fisch.) Fürsch in Kakteen And. Sukk. 44: 266. 1993 syn. sec. Sánchez (2021)
- = *Echinocereus bakeri* W. Blum, Oldach & J. Oldach in Int. Cact. Advent. 106-107: 22. 2015 syn. sec. Sánchez (2021)
- Notes. – Blum & al. (2017) proposed *E. canyonensis* (= *E. toroweapensis*) as different species. However, the statistical analysis of Baker (2006), did not found significant differences to *E. coccineus*. [Sánchez (2021)]

***Echinocereus coccineus* subsp. *paucispinus* (Engelm.) W. Blum, Mich. Lange & Rutow, *Echinocereus Monogr.*: 4. 1998.** Sec. Blum & al. (2017)

- ≡ *Echinocereus paucispinus* Rümpler, Handb. Cacteenk., ed. 2: 794. 1885 ≡ *Echinocereus coccineus* var. *paucispinus* (Engelm.) D.J. Ferguson in Cact. Succ. J. (Los Angeles) 61: 222. 1989
- = *Cereus roemerii* Muehlenpf. in Allg. Gartenzeitung 16: 19. 1848 syn. sec. Sánchez (2021) ≡ *Echinocereus roemerii* (Muehlenpf.) Engelm. ex J.N. Haage in Preis-Verz. Cact.: 23. 1859 syn. sec. Sánchez (2021) ≡ *Echinocereus roemerii* (Muehlenpf.) Rydb. in Bull. Torrey Bot. Club 33: 146. 1906 syn. sec. Sánchez (2021) ≡ *Echinocereus coccineus* subsp. *roemerii* (Muehlenpf.) W. Blum, Mich. Lange & Rutow, *Echinocereus Prepr.*: 4. 1998 syn. sec. Sánchez (2021)
- = *Echinopsis octacantha* Muehlenpf. in Allg. Gartenzeitung 16: 19. 1848 syn. sec. Sánchez (2021) ≡ *Cereus octacanthus* (Muehlenpf.) J.M. Coult. in Contr. U.S. Natl. Herb. 3: 395. 1896 syn. sec. Sánchez (2021) ≡ *Echinocereus octacanthus* (Muehlenpf.) Britton & Rose, Cactaceae 3: 13. 1922 syn. sec. Sánchez (2021) ≡ *Echinocereus coccineus* var. *octacanthus* (Muehlenpf.) Boissev., Colorado Cact.: 39. 1940 syn. sec. Sánchez (2021)
- = *Cereus roemerii* Engelm., Pl. Fendler.: 50. 1849 syn. sec. Sánchez (2021)
- = *Cereus paucispinus* Engelm. in Proc. Amer. Acad. Arts 3: 285. 1856 syn. sec. Kew WCVP (2019) ≡ *Echinocereus paucispinus* (Engelm.) Engelm. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 794. 1886 ≡ *Echinocereus triglochidiatus* var. *paucispinus* (Engelm.) W.T. Marshall in Marshall & Bock, Cactaceae: 118. 1941 – *Cereus paucispinus* Engelm. & Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 34. 1857, nom. inval. syn. sec. Kew WCVP (2019)
- = *Echinocereus roemerii* Rümpler, Handb. Cacteenk., ed. 2: 792. 1885 syn. sec. Sánchez (2021)

Notes. – The type locality of *Cereus octacanthus* is said to be in Texas, USA (Coulter, 1896). The description and locality correspond to *E. coccineus*. Blum et al. (1998) mention *E. octacanthus* as synonym of *E. coccineus* subsp. *roemerii* (= *E. paucispinus*). [Sánchez (2021)]

***Echinocereus coccineus* subsp. *rosei* (Wooton & Standl.) W. Blum & Rutow, *Echinocereus Monogr.*: 4. 1998.** Sec. Sánchez (2021)

- ≡ *Echinocereus rosei* Wooton & Standl. in Contr. U.S. Natl. Herb. 19: 457. 1915 ≡ *Echinocereus triglochidiatus* var. *rosei* (Wooton & Standl.) W.T. Marshall in Desert. Bot. Gard. Arizona, Sci. Bull. 1: 63. 1950 ≡ *Echinocereus coccineus* var. *rosei* (Wooton & Standl.) A.D. Zimmerman, Cacti Trans-Pecos: 203. 2004
- = *Echinocereus multicostatus* J.F. Cels in Rümpler, Handb. Cacteenk., ed. 2: 834. 1885 syn. sec. Sánchez (2021) ≡ *Cereus multicostatus* J.F. Cels in Schumann, Gesamtbeschr. Kakt.: 288. 1898 syn. sec. Sánchez (2021) ≡ *Echinocereus triglochidiatus* var. *multicostatus* (J.F. Cels) W.T. Marshall in Saguaro Land Bull. 7: 67. 1953 syn. sec. Sánchez (2021)

***Echinocereus dasyacanthus* Engelm., Mem. Tour N. Mexico: 100. 1848.** Sec. Sánchez & al. (2018)

- ≡ *Cereus dasyacanthus* Engelm., Pl. Fendler.: 50. 1849 syn. sec. Kew WCVP (2019) ≡ *Echinocereus pectinatus* var. *dasyacanthus* (Engelm.) W.H. Earle ex N.P. Taylor in Kew Mag. 1: 179. 1984 syn. sec. Tropicos

***Echinocereus dasyacanthus* subsp. *ctenoides* (Engelm.) Lodé in Cact.-Avent. Int. 100: 29. 2013.** Sec. Hunt (2016)

- ≡ *Cereus ctenoides* Engelm. in Proc. Amer. Acad. Arts 3: 279. 1856 ≡ *Echinocactus ctenoides* (Engelm.) Lem., Cactées: 57. 1868 ≡ *Echinocereus ctenoides* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2, 2(16): 819. 1886 ≡ *Echinocereus dasyacanthus* var. *ctenoides* (Engelm.) Backeb., Cactaceae 4: 2021. 1960 ≡ *Echinocereus pectinatus* var. *ctenoides* (Engelm.) D. Weniger ex G. Frank in Kakteen And. Sukk. 42: 140. 1991 ≡ *Echinocereus pectinatus* subsp. *ctenoides* (Engelm.) G. Frank in Echinocereenfreund 10: 135. 1997
- = *Echinocereus hildmannii* Arendt in Monatsschr. Kakteenk. 1: 146. 1891 syn. sec. Hunt (2016)
- = *Echinocereus rubescens* Dams in Monatsschr. Kakteenk. 15: 92. 1905 syn. sec. Sánchez (2021) ≡ *Echinocereus papillosus* var. *rubescens* (Dams) Dams in Monatsschr. Kakteenk. 15: 92. 1905 syn. sec. Sánchez (2021)

***Echinocereus dasyacanthus* subsp. *dasyacanthus*.** Sec. Hunt (2016)

= *Echinocereus spinosissimus* Walton in Cact. J. (London) 2: 162. 1899 syn. sec. Sánchez (2021)

= *Echinocereus steereae* Clover in Bull. Torrey Bot. Club 65: 565. 1938 syn. sec. Sánchez (2021)

= *Echinocereus dasyacanthus* subsp. *crockettianus* D.Felix & H.Bauer in *Echinocereus Online-J. 2* (Sonderheft): V. 2014 syn. sec. Sánchez (2021)

Echinocereus dasyacanthus* subsp. *multispinosus D.Felix & H.Bauer in *Echinocereus Online-J. 2* (Sonderheft): VII. 2014. Sec. Kew WCVP (2019)

***Echinocereus dasyacanthus* subsp. *rectispinus* (Trocha & Fethke)** W.Blum, W.Rischer & Rutow, *Echinocereus Prepr.: 2. 1998*. Sec. Hunt (2016)

≡ *Echinocereus dasyacanthus* var. *rectispinus* Trocha & Fethke in *Echinocereenfreund* 4: 31. 1991

Echinocereus davisii Houghton in *J. Cact. Succ. Soc. Amer.* 2: 466. 1931. Sec. Blum & al. (2012)

≡ *Echinocereus viridiflorus* subsp. *davisii* (Houghton) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997 syn. sec. Hunt (2016)

≡ *Echinocereus viridiflorus* var. *davisii* (Houghton) W.T.Marshall & T.M.Bock, *Cactaceae*: 119. 1941 ≡ *Echinocereus viridiflorus* var. *davisii* Backeb. syn. sec. TPL (2013)

= *Echinocereus subinermis* var. *aculeatus* G.Unger in *Kakteen. And. Sukk.* 35: 164. 1984 syn. sec. Blum & al. (1998)

***Echinocereus engelmannii* (Parry ex Engelm.) Lem., Cactées: 56. 1868.** Sec. Sánchez & al. (2018)

≡ *Cereus engelmannii* Parry ex Engelm. in *Amer. J. Sci. Arts, ser. 2*, 14(42): 338. 1852 syn. sec. Parfitt & Gibson (2003) ≡

Pilocereus engelmannii (Parry ex Engelm.) Lem. in *Ill. Hort.* 9(Misc.): 97. 1862 syn. sec. Kew WCVP (2019) ≡ *Echinocereus engelmannii* var. *engelmannii* syn. sec. Parfitt & Gibson (2003)

***Echinocereus engelmannii* subsp. *engelmannii*.** Sec. Sánchez (2021)

= *Cereus engelmannii* var. *chrysocentrus* Engelm. & J.M.Bigelow, *Syn. Cact. U.S.*: 27. 1856 syn. sec. Sánchez (2021) ≡

Echinocereus engelmannii var. *chrysocentrus* (Engelm. & J.M.Bigelow) Rümpler, *Handb. Cacteenk.*, ed. 2: 806. 1885 syn. sec. Sánchez (2021) ≡ *Echinocereus chrysocentrus* (Engelm. & J.M.Bigelow) Orcutt in *Cactography* 4. 1926 syn. sec. Sánchez (2021)

= *Cereus engelmannii* var. *variegatus* Engelm. & J.M.Bigelow, *Syn. Cact. U.S.*: 27. 1856 syn. sec. Sánchez (2021) ≡

Echinocereus engelmannii var. *variegatus* (Engelm. & J.M.Bigelow) Rümpler, *Handb. Cacteenk.*, ed. 2: 806. 1885 syn. sec. Sánchez (2021) ≡ *Echinocereus engelmannii* subsp. *variegatus* (Engelm. & J.M.Bigelow) E.Lutz in *Echinocereenfreund* 13: 97. 2000 syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *robustior* Hildm. in *Monatsschr. Kakteenk.* 4: 194. 1894 syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *versicolor* Miers in *Monatsschr. Kakteenk.* 4: 194. 1894 syn. sec. Sánchez (2021)

= *Cereus munzii* Parish in *Bull. S. Calif. Acad. Sci.* 25: 48. 1926 syn. sec. Sánchez (2021) ≡ *Echinocereus engelmannii* var.

munzii (Parish) Pierce & Fosberg in *Bull. S. Calif. Acad. Sci.* 32: 123. 1933 syn. sec. Sánchez (2021) ≡ *Echinocereus munzii* (Parish) L.D.Benson in *Amer. J. Bot.* 28: 361. 1941 syn. sec. Sánchez (2021)

= *Echinocereus decumbens* Clover & Jotter in *Bull. Torrey Bot. Club* 68: 417. 1941 syn. sec. Sánchez (2021) ≡ *Echinocereus*

engelmannii var. *decumbens* (Clover & Jotter) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 258. 1944 syn. sec. Sánchez (2021) ≡ *Echinocereus engelmannii* subsp. *decumbens* (Clover & Jotter) W.Blum & Mich.Lange, *Echinocereus Prepr.: 2. 1998* syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *acicularis* L.D.Benson, *Cacti Ariz.*, ed. 3: 138. 1969 syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *armatus* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 33. 1969 syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *purpureus* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 126. 1969 syn. sec. Sánchez (2021)

= *Echinocereus engelmannii* var. *howei* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 46: 80. 1974 syn. sec. Sánchez (2021)

***Echinocereus engelmannii* subsp. *fasciculatus* (Engelm.)** W.Blum & Mich.Lange, *Echinocereus Prepr.: 2. 1998*. Sec. Blum & al. (1998)

≡ *Mammillaria fasciculata* Engelm., *Emory, Mil. Recon.*: 156. 1848 syn. sec. Blum & al. (1998) ≡ *Cactus fasciculatus*

(Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 259. 1891 syn. sec. Blum & al. (1998) ≡ *Neomammillaria fasciculata* (Engelm.) Britton &

Rose, *Cactaceae* 4: 162. 1923 syn. sec. Blum & al. (1998) ≡ *Ebnerella fasciculata* (Engelm.) Buxb. in *Oesterr. Bot. Z.* 98: 89.

1951 syn. sec. Blum & al. (1998) ≡ *Chilita fasciculata* (Engelm.) Buxb. in *Sukkulentenkunde* 5: 15. 1954 syn. sec. Blum & al.

(1998) ≡ *Echinocereus fasciculatus* (Engelm.) L.D.Benson, *Cacti Ariz.*, ed. 3: 21. 1969 syn. sec. Blum & al. (1998) ≡

Echinocereus fendleri var. *fasciculatus* (Engelm.) N.P.Taylor in *Kew Mag.* 2: 252. 1985 syn. sec. Blum & al. (1998) –

Mammillaria fasciculata Engelm. ex S.Watson in *Smithsonian Misc. Collect.* 258: 402. 1878, nom. inval. syn. sec. TPL (2013)

= *Echinocereus boyce-thompsonii* Orcutt in *Cactography* 4. 1926 syn. sec. Blum & al. (1998) ≡ *Echinocereus fendleri* var. *boyce-*

thompsonii (Orcutt) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 260. 1944 syn. sec. Blum & al. (1998) ≡ *Echinocereus*

fasciculatus var. *boyce-thompsonii* (Orcutt) L.D.Benson, *Cacti Ariz.*, ed. 3: 21. 1969 syn. sec. Blum & al. (1998) ≡

Echinocereus fasciculatus subsp. *boyce-thompsonii* (Orcutt) N.P.Taylor in *Cactaceae Consensus Init.* 3: 8. 1997 syn. sec. Blum & al. (1998)

= *Echinocereus abbeae* Parsons, *Desert Pl. Life* 9: 6. 1937 syn. sec. Blum & al. (1998)

= *Echinocereus rectispinus* var. *robustus* Peebles in *Amer. J. Bot.* 25: 675. 1938 syn. sec. Blum & al. (1998) ≡ *Echinocereus*

robustus (Peebles) Peebles in *J. Wash. Acad. Sci.* 30: 219. 1940 syn. sec. Blum & al. (1998) ≡ *Echinocereus fendleri* var.

robustus (Peebles) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 259. 1944 syn. sec. Blum & al. (1998)

= *Echinocereus fasciculatus* subsp. *fasciculatus* syn. sec. Blum & al. (1998)

***Echinocereus engelmannii* subsp. *llanuraensis* (Rutow) Felger in Proc. San Diego Soc. Nat. Hist. 35: 20. 1999.** Sec. Sánchez (2021)

≡ *Echinocereus nicholii* subsp. *llanuraensis* Rutow in Echinocereenfreund 8: 61. 1995 ≡ *Echinocereus llanuraensis* (Rutow) W.Blum & D.Felix in Echinocereenfreund 15: 16. 2002

Notes. – Chromosome counts of plants of *E. llanuraensis* from Guaymas, Sonora, Mexico show that those are tetraploid (Felger 1999), suggesting more affinity with *E. engelmannii* rather than with the diploid *E. nicholii*. Also, *E. llanuraensis* shows affinity with the tetraploid *E. engelmannii* complex by having dull grayish, often bicolored spines and large flowers with bright magenta inner tepals. In contrast, diploid *E. nicholii* has uniformly yellow spines and smaller flowers with pale pink inner tepals (Felger 1999). [Sánchez (2021)]

***Echinocereus enneacanthus* Engelm., Mem. Tour N. Mexico: 111. 1848.** Sec. Sánchez & al. (2018)

≡ *Cereus enneacanthus* Engelm., Pl. Fendler.: 50. 1849 syn. sec. Parfitt & Gibson (2003)

= *Cereus dubius* Engelm., Descr. Cactaceae: 36. 1856 syn. sec. Felix & Bauer (2018) ≡ *Echinocereus dubius* (Engelm.) Engelm. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 787. 1886 syn. sec. Tropicos ≡ *Echinocereus enneacanthus* var. *dubius* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969 syn. sec. Tropicos

= *Echinocereus carnosus* Rümpler, Handb. Cacteenk., ed. 2: 787. 1885 syn. sec. Felix & Bauer (2018) ≡ *Echinocereus enneacanthus* var. *carnosus* (Rümpler) Quehl in Monatsschr. Kakteenk. 18: 114. 1908 syn. sec. Tropicos

= *Echinocereus uehri* Blanc ex F.Haage, Choice Cacti: 13. 1897 syn. sec. Kew WCVP (2019)

= *Echinocereus uspenski* F.Haage, Choice Cacti: 13. 1897 syn. sec. Tropicos

= *Echinocereus jacobyi* K.Schum., Gesamtbeschr. Kakt.: 278. 1898 syn. sec. Tropicos

= *Echinocereus merkeri* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 277. 1898 syn. sec. Felix & Bauer (2018) ≡ *Cereus merkeri* (Hildm.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 81. 1905 syn. sec. Sánchez (2021)

= *Echinocereus sarissophorus* Britton & Rose, Cactaceae 3: 38. 1922 syn. sec. Hunt (2016)

= *Echinocereus enneacanthus* subsp. *enneacanthus* syn. sec. Sánchez & al. (2018) ≡ *Echinocereus enneacanthus* var. *enneacanthus*

= *Echinocereus enneacanthus* f. *intermedius* W.O.Moore in Brittonia 19: 93. 1967 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. – *Echinocereus enneacanthus* subsp. *intermedius* (W.O.Moore) Blum & Lange in Echinocereenfreund 29: 106. 2016, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

– *Echinocereus enneacanthus* f. *brevispinus* W.O.Moore in Brittonia 19: 93. 1967, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. – *Echinocereus enneacanthus* var. *brevispinus* (W.O.Moore) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. – *Echinocereus enneacanthus* subsp. *brevispinus* (W.O.Moore) N.P.Taylor in Cactaceae Consensus Init. 3: 8. 1997, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

***Echinocereus felixianus* H.Bauer in Echinocereus Online-J. 2 (Sonderheft): IX. 2014.** Sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

Notes. – *Echinocereus felixianus* is accepted here because chromosome numbers indicate a tetraploid population, in contrast to the diploid *E. pectinatus*. [Sánchez (2021)]

***Echinocereus fendleri* (Engelm.) Sencke ex J.N.Haage, Preisverzeichniss Cact. Succ.: 22. 1860.** Sec. Sánchez & al. (2018)

≡ *Cereus fendleri* Engelm. in Mem. Amer. Acad. Arts, n.s. 4(1): 50–51. 1849 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus fendleri* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 801. 1885 syn. sec. Britton & Rose (1922)

***Echinocereus fendleri* subsp. *fendleri*.** Sec. Guzmán Cruz & al. (2003)

= *Cereus fendleri* var. *pauperculus* Engelm. in Mem. Amer. Acad. Arts n.s., 4: 51. 1849 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fendleri* var. *pauperculus* (Engelm.) G.Unger in Echinocereenfreund 7: 87. 1994 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocereus hempelii* Fobe in Monatsschr. Kakteenk. 7: 187. 1897 ≡ *Cereus hempelii* (Fobe) Mottet, Dict. Prat. Hort. 5: 739. 1898–1899 syn. sec. Sánchez & al. (2018) ≡ *Echinocereus fendleri* subsp. *hempelii* (Fobe) W.Blum, Echinocereus Monogr.: 2. 1998 syn. sec. Hunt (2016)

= *Cereus cinerascens* var. *fendleri* Bois, Pl. Aliment. 2: 371. 1928 syn. sec. Blum & al. (1998)

= *Echinocereus albiflorus* Weing. in Kakteenkunde 1933: 156. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fendleri* var. *albiflorus* (Weing.) Backeb., Cactaceae 4: 2047. 1960 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocereus kuenzleri* Castetter, P.Pierce & K.H.Schwer. in Cact. Succ. J. (Los Angeles) 48: 77. 1976 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fendleri* var. *kuenzleri* (Castetter, P.Pierce & K.H.Schwer.) L.D.Benson, Cacti U. S. Canada: 942. 1982 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fendleri* subsp. *kuenzleri* (Castetter, P.Pierce & K.H.Schwer.) W.Blum & D.Felix in Echinocereus Online-J. 2(2): 105. 2014 syn. sec. Kew WCVP (2019)

***Echinocereus fendleri* subsp. *rectispinus* (Peebles) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus rectispinus* Peebles in Amer. J. Bot. 25: 675, f. 1, 3c–d. 1938 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinocereus fendleri var. *rectispinus* (Peebles) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 259. 1944 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus ferreiranus* H.E.Gates in Saguroland Bull. 7: 8. 1953.** Sec. Sánchez & al. (2018)

***Echinocereus ferreiranus* subsp. *ferreiranus*.** Sec. Hunt (2016)

***Echinocereus ferreiranus* subsp. *lindsayorum* (J.Meyrán) N.P.Taylor in *Cactaceae Consensus Init.* 3: 9. 1997. Sec. Hunt (2016)**

≡ *Echinocereus lindsayorum* J.Meyrán in *Cact. Suc. Mex.* 20(4): 80. 1975 [as "*lindsayi*"] ≡ *Echinocereus ferreiranus* var. *lindsayorum* (J.Meyrán) N.P.Taylor, *Gen. Echinocereus*: 46. 1985 – *Echinocereus lindsayi* J.Meyrán [is orthographic variant for *Echinocereus lindsayorum* J.Meyrán]

***Echinocereus grandis* Britton & Rose, *Cactaceae* 3: 18. 1922. Sec. Sánchez & al. (2018)**

***Echinocereus gurneyi* (L.D.Benson) W.Blum, Oldach & J.Oldach in *Int. Cact. Advent.* 105: 33. 2014. Sec. Blum & al. (2017)**

≡ *Echinocereus triglochidiatus* var. *gurneyi* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 126. 1969 syn. sec. Blum & al. (2017) ≡ *Echinocereus coccineus* var. *gurneyi* (L.D.Benson) K.D.Heil & S.Brack in *Cact. Succ. J. (Los Angeles)* 60: 26. 1988 syn. sec. Blum & al. (2017) ≡ *Echinocereus coccineus* subsp. *gurneyi* (L.D.Benson) D.Felix & H.Bauer in *Echinocereus Online-J. 2 (Sonderheft): XIII.* 2014 syn. sec. Blum & al. (2017)

***Echinocereus huitcholensis* (F.A.C.Weber) M.Gürke in *Monatsschr. Kakteenk.* 16: 23. 1906. Sec. Blum & al. (2018)**

≡ *Cereus huitcholensis* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 10: 383. 1904 syn. sec. Blum & al. (2018) ≡ *Echinocereus polyacanthus* var. *huitcholensis* (F.A.C.Weber) N.P.Taylor in *Bradleya* 6: 82. 1988 syn. sec. Blum & al. (2018) ≡ *Echinocereus acifer* subsp. *huitcholensis* (F.A.C.Weber) Mich.Lange in *Echinocereenfreund* 7: 109. 1994 syn. sec. Blum & al. (2018) ≡ *Echinocereus polyacanthus* subsp. *huitcholensis* (F.A.C.Weber) N.P.Taylor in *Cactaceae Consensus Init.* 3: 9. 1997 syn. sec. Blum & al. (2018) ≡ *Echinocereus triglochidiatus* subsp. *huitcholensis* (F.A.C.Weber) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003 syn. sec. Blum & al. (2018)

= *Echinocereus matthesianus* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Blum & al. (2018)

= *Echinocereus topiensis* W.Rischer & Trocha in *Echinocereenfreund* 12(1): 6. 1999 syn. sec. Sánchez (2021) ≡ *Echinocereus acifer* subsp. *topiensis* (W.Rischer & Trocha) W.Rischer in *Echinocereenfreund* 17: 88. 2004 syn. sec. Sánchez (2021)

***Echinocereus klapperi* W.Blum, *Echinocereus Monogr.:* 5. 1998. Sec. Hunt (2016)**

***Echinocereus knippelianus* Liebner in *Monatsschr. Kakteenk.* 5: 170. 1895. Sec. Sánchez & al. (2018)**

≡ *Cereus knippelianus* (Liebner) Orcutt in *W. Amer. Sci.* 13: 27. 1902 syn. sec. Kew WCVP (2019) ≡ *Echinocereus knippelianus* subsp. *knippelianus*

= *Echinocereus liebnerianus* Carp in *Baltimore Cact. J.* 2: 262. 1896 syn. sec. Britton & Rose (1922)

= *Echinocereus inermis* Haage Jr. in *Monatsschr. Kakteenk.* 8: 130. 1898 syn. sec. Britton & Rose (1922)

= *Echinocereus knippelianus* var. *kruegeri* Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* 50: 80. 1978 ≡ *Echinocereus knippelianus* subsp. *kruegeri* (Glass & R.A.Foster) Glass, *Guía Identific. Cact. Amenazadas México: s.p.* 1997 ["1998"] syn. sec. Hunt (2016) ≡ *Echinocereus knippelianus* subsp. *kruegeri* (Glass & R.A.Foster) W.Blum & Mich.Lange, *Echinocereus Monogr.:* 246. 1998

= *Echinocereus knippelianus* var. *reyesii* A.B.Lau in *Cact. Succ. J. (Los Angeles)* 52: 265. 1980 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus knippelianus* subsp. *reyesii* (A.B.Lau) W.Blum & Mich.Lange, *Echinocereus Monogr.:* 6. 1998 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocereus knippelianus* subsp. *kaplani* Halda & Sladk. in *Acta Mus. Richnov., Sect. Nat., 7:* 34. 2000 syn. sec. Kew WCVP (2019) ≡ *Echinocereus knippelianus* subsp. *klapanii* Halda & Sladk. syn. sec. WFO 2019

***Echinocereus koehresianus* (G.Frank) W.Rischer in *Echinocereenfreund* 22: 73. 2009. Sec. Sánchez & al. (2018)**

≡ *Echinocereus scheeri* var. *koehresianus* G.Frank in *Kakteen And. Sukk.* 39(8): 188. 1988 ≡ *Echinocereus ortegae* subsp. *koehresianus* (G.Frank) W.Rischer & G.Frank in *Echinocereenfreund* 9(4): 100. 1996

= *Echinocereus koehresianus* subsp. *gruberianus* W.Rischer in *Echinocereus Online-J.* 2(1): 7. 2014 syn. sec. Sánchez (2021)

***Echinocereus kroenleinii* (Mich.Lange) W.Blum & Waldeis in *Echinocereenfreund* 12: 102. 1999. Sec. Sánchez & al. (2018)**

≡ *Echinocereus poselgeri* subsp. *kroenleinii* Mich.Lange in *Kakteen And. Sukk.* 46: 138. 1995 – *Wilcoxia kroenleinii* A.Cartier in *Succulentas* 1980(2): 2. 1980, nom. inval. – *Wilcoxia roenleinii* A.Cartier syn. sec. Sánchez & al. (2018) [is misspelling for *Wilcoxia kroenleinii* A.Cartier]

***Echinocereus ×kunzei* Gürke in *Monatsschr. Kakteenk.* 17: 103. 1907. Sec. Kew WCVP (2019)**

≡ *Echinocereus coccineus* var. *kunzei* (Gürke) Backeb., *Cactaceae* 4: 2070. 1960 syn. sec. Kew WCVP (2019)

***Echinocereus laui* G.Frank in *Kakteen And. Sukk.* 29(4): 74. 1978. Sec. Sánchez & al. (2018)**

***Echinocereus ledingii* Peebles in *Cact. Succ. J. (Los Angeles)* 8(3): 35. 1936. Sec. Hunt (2016)**

≡ *Echinocereus fendleri* var. *ledingii* (Peebles) N.P.Taylor in *Kew Mag.* 2: 253. 1985 syn. sec. Tropicos

***Echinocereus leucanthus* N.P.Taylor, *Gen. Echinocereus:* 136. 1985. Sec. Sánchez & al. (2018)**

= *Wilcoxia albiflora* Backeb. in *Cactus (Paris)* 33(Suppl.): 33. 1952 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus ×lloydii* Britton & Rose, *Cactaceae* 3: 37. 1922**

***Echinocereus longisetus* (Engelm.) Lem., *Cact. Gen. Sp. Nov.:* 57. 1839. Sec. Sánchez & al. (2018)**

≡ *Cereus longisetus* Engelm. in *Proc. Amer. Acad. Arts* 3: 280–281. 1856 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocereus barcena* Rebut ex A.Berger, *Kakteen:* 175. 1929 syn. sec. WFO 2019

***Echinocereus longisetus* subsp. *delaeitii* (Gürke) N.P.Taylor in *Cactaceae Consensus Init.* 3: 9. 1997. Sec. Blum & al. (1998)**
 ≡ *Cephalocereus delaeitii* Gürke in *Monatsschr. Kakteenk.* 19: 117-118. 1909 syn. sec. Blum & al. (1998) ≡ *Echinocereus delaeitii* (Gürke) Gürke in *Monatsschr. Kakteenk.* 19: 131. 1909 syn. sec. Blum & al. (1998) ≡ *Echinocereus longisetus* var. *delaeitii* (Gürke) N.P.Taylor in *Bradleya* 6: 79. 1988 syn. sec. Blum & al. (1998)

***Echinocereus longisetus* subsp. *freudenbergeri* (G.Frank) W.Blum, *Echinocereus Monogr.*: 6. 1998. Sec. Blum & al. (1998)**
 ≡ *Echinocereus freudenbergeri* G.Frank in *Kakteen And. Sukk.* 32: 105. 1981 syn. sec. Blum & al. (1998) ≡ *Echinocereus delaeitii* var. *freudenbergeri* (G.Frank) N.P.Taylor, *Gen. Echinocereus*: 97. 1985 syn. sec. Blum & al. (1998)

***Echinocereus longisetus* subsp. *longisetus*.** Sec. Blum & al. (1998)

***Echinocereus mapimiensis* E.F.Anderson, W.C.Hodgs. & P.Quirk in *Cact. Succ. J. (Los Angeles)* 70(6): 285. 1998. Sec. Sánchez & al. (2018)**

***Echinocereus maritimus* (M.E.Jones) K.Schum., *Gesamtbeschr. Kakt.*: 273. 1898. Sec. Sánchez & al. (2018)**

≡ *Cereus maritimus* M.E.Jones in *Amer. Naturalist* 17(9): 973. 1883 ≡ *Echinocereus maritimus* subsp. *maritimus*
 = *Cereus flaviflorus* Engelm. ex J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 391. 1896 syn. sec. Britton & Rose (1922) ≡
Echinocereus flaviflorus (Engelm. ex J.M.Coult.) Hildemann in Schumann, *Gesamtbeschr. Kakt.*: 264, 274. 1898 syn. sec. Blum & al. (1998)

= *Cereus maritimus* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 397. 1896 syn. sec. Blum & al. (1998)

= *Cereus glomeratus* Engelm. ex Orcutt in *W. Amer. Sci.* 13: 28. 1902 syn. sec. Britton & Rose (1922)

= *Echinocereus orcuttii* Rose ex Orcutt in *Cactography* 4. 1926 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Echinocereus hancockii* E.Y.Dawson in *Desert Pl. Life* 21: 89. 1949 syn. sec. Sánchez (2021) ≡ *Echinocereus maritimus* var. *hancockii* (E.Y.Dawson) N.P.Taylor, *Gen. Echinocereus*: 44. 1985 syn. sec. Sánchez (2021) ≡ *Echinocereus maritimus* subsp. *hancockii* (E.Y.Dawson) W.Blum & Rutow, *Echinocereus Monogr.*: 6. 1998 syn. sec. Sánchez (2021)

***Echinocereus metornii* G.Frank in *Kakteen And. Sukk.* 41(10): 215. 1990. Sec. Sánchez & al. (2018)**

≡ *Echinocereus fobeanus* subsp. *metornii* (G.Frank) W.Blum & Mich.Lange, *Echinocereus Monogr.*: 5. 1998

***Echinocereus milleri* W.Blum & al. in *Echinocereenfreund* 12(3): 69. 1999. Sec. Blum & al. (2012)**

***Echinocereus mombergerianus* G.Frank in *Kakteen And. Sukk.* 41(11): 261. 1990. Sec. Hunt (2016)**

≡ *Echinocereus polyacanthus* subsp. *mombergerianus* (G.Frank) Breckw. in *Echinocereenfreund* 9 (Sonderh.): 15. 1996 ≡
Echinocereus pacificus subsp. *mombergerianus* (G.Frank) W.Blum, W.Rischer & Rutow, *Echinocereus Monogr.*: 6. 1998

***Echinocereus neocapillus* (D.Weniger) W.Blum & Mich.Lange, *Echinocereus Prepr.*: 6. 1998. Sec. Blum & al. (2012)**

≡ *Echinocereus chloranthus* var. *neocapillus* D.Weniger in *Cact. Succ. J. (Los Angeles)* 41: 39. 1969 syn. sec. Blum & al. (2012)
 ≡ *Echinocereus viridiflorus* var. *neocapillus* (D.Weniger) A.D.Zimmerman, *Cacti Trans-Pecos*: 267. 2004 syn. sec. Blum & al. (2012)

Notes. – Blum & al. (1998) segregated *E. neocapillus* from *E. chloranthus* and *E. viridiflorus* due to the hairy spination in juvenile plants. Other taxa as *E. blumii*, *E. carmenensis*, and *E. milleri* also present this character. However, those taxa have discontinuous distribution and differ in spination in mature plants. For now, they are recognized as different species until more evidence is available. [Sánchez (2021)]

***Echinocereus* ×*neomexicanus* Standl. in *Bull. Torrey Bot. Club* 35(2): 87–88, f. 3–5. 1908. Sec. Blum & al. (2017)**

≡ *Cereus neomexicanus* (Standl.) Tidestr., *Fl. Ariz. New Mex.*: 298. 1941 syn. sec. Blum & al. (2017)

***Echinocereus nicholii* (L.D.Benson) B.D.Parfitt in *Phytologia* 63(3): 157. 1987. Sec. Sánchez & al. (2018)**

≡ *Echinocereus engelmannii* var. *nicholii* L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 258, pl. 25, f. B. 1944 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus nicholii* subsp. *nicholii*

***Echinocereus nivosus* Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* 50(1): 18. 1978. Sec. Sánchez & al. (2018)**

= *Echinocereus albatus* Backeb., *Cactaceae* 4: 2007. 1960 syn. sec. Guzmán Cruz & al. (2003) – *Echinocereus longisetus* var. *albatus* (Backeb.) W.Sterk in *Succulenta (Netherlands)* 59: 12. 1980, nom. inval. syn. sec. Kew WCVP (2019)

***Echinocereus occidentalis* (N.P.Taylor) W.Rischer, S.Breckw. & Breckw. in *Echinocereenfreund* 22: 23. 2008 ["2009"]. Sec. Felix & Bauer (2018)**

≡ *Echinocereus stramineus* var. *occidentalis* N.P.Taylor in *Bradleya* 6: 70. 1988 ≡ *Echinocereus stramineus* subsp. *occidentalis* (N.P.Taylor) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997 ≡ *Echinocereus occidentalis* subsp. *occidentalis* syn. sec. Felix & Bauer (2018)

= *Echinocereus occidentalis* subsp. *breckwoldtiorum* De-Nova, Cast.-Lara & W.Blum in *Xerophilia special issue* 7.2: 4. 2015 syn. sec. Felix & Bauer (2018)

Notes. – *Echinocereus occidentalis* was segregated from *E. stramineus* due to minor differences in morphology and chromosome number. *Echinocereus occidentalis* is diploid, while the *E. stramineus* is tetraploid. [Sánchez (2021)]

***Echinocereus ortegae* Rose, *Apuntes Fl. Indig. Sinaloa*: 3. 1929. Sec. Hunt (2016)**

***Echinocereus pacificus* (Engelm.) Britton & Rose, *Cactaceae* 3: 12, f. 9. 1922. Sec. Hunt (2016)**

≡ *Cereus phoeniceus* var. *pacificus* Engelm. in *W. Amer. Sci.* 2: 46. 1886 ≡ *Echinocereus triglochidiatus* var. *pacificus* (Engelm.) Bravo in *Cact. Suc. Mex.* 23: 66. 1978 ≡ *Echinocereus polyacanthus* var. *pacificus* (Engelm.) N.P.Taylor in *Kew Mag.* 1: 160. 1984 ≡ *Echinocereus polyacanthus* subsp. *pacificus* (Engelm.) Breckw. in *Echinocereenfreund* 9 (Sonderh.): 15. 1996 ≡ *Echinocereus triglochidiatus* subsp. *pacificus* (Engelm.) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003

- = *Cereus pacificus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 397. 1896 syn. sec. Britton & Rose (1922)
- Echinocereus palmeri* Britton & Rose, Cactaceae 3: 34. 1922.** Sec. Sánchez & al. (2018)
- = *Echinocereus palmeri* subsp. *escobedensis* W.Rischer in Kakteen And. Sukk. 54: 124. 2003 syn. sec. Kew WCVP (2019)
- Echinocereus palmeri* subsp. *mazapil* H.M.Hern. & Gómez-Hin. in Bradleya 22: 2. 2004.** Sec. Hunt (2016)
- Echinocereus palmeri* subsp. *palmeri*.** Sec. Hunt (2016)
- Echinocereus pamanesii* A.B.Lau in Cact. Suc. Mex. 26: 38. 1981 [as "*pamanesiorum*".]** Sec. Sánchez & al. (2018)
- *Echinocereus pamanesiorum* A.B.Lau in Cact. Suc. Mex. 26: 38. 1981 syn. sec. TPL (2013) [is orthographic variant for *Echinocereus pamanesii* A.B.Lau]
- Echinocereus pamanesii* subsp. *bonatzii* (R.C.Römer) R.C.Römer in Echinocereenfreund 10(2): 45. 1998.** Sec. Hunt (2016)
- ≡ *Echinocereus bonatzii* R.C.Römer in Echinocereenfreund 8: 98. 1995 syn. sec. Hunt (2016) ≡ *Echinocereus adustus* subsp. *bonatzii* (R.C.Römer) N.P.Taylor in Cactaceae Consensus Init. 6: 15. 1998 syn. sec. Hunt (2016)
- Echinocereus pamanesii* subsp. *pamanesii*.** Sec. Hunt (2016)
- Echinocereus papillosus* Linke ex Rümpler, Handb. Cacteenk., ed. 2: 783. 1886.** Sec. Sánchez & al. (2018)
- ≡ *Cereus papillosus* (Linke) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 80. 1905 syn. sec. Blum & al. (1998) ≡ *Echinocereus blanckii* var. *papillosus* (Linke ex Rümpler) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Blum & al. (1998) ≡ *Echinocereus berlandieri* var. *papillosus* (Linke ex Rümpler) L.D.Benson in Cact. Succ. J. (Los Angeles) 48: 59. 1976 syn. sec. Blum & al. (1998) – *Echinocereus papillosus* Linke ex Haage, Cact.-Verz.: 19. 1859, nom. inval. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Echinocereus angusticeps* Clover in Rhodora 37: 79. 1935 syn. sec. Sánchez (2021) ≡ *Echinocereus papillosus* var. *angusticeps* (Clover) W.T.Marshall in Marshall & Bock, Cactaceae: 119. 1941 syn. sec. Sánchez (2021) ≡ *Echinocereus berlandieri* var. *angusticeps* (Clover) L.D.Benson in Cact. Succ. J. (Los Angeles) 48: 59. 1976 syn. sec. Sánchez (2021)
- Echinocereus parkeri* N.P.Taylor in Bradleya 6: 73. 1988.** Sec. Sánchez & al. (2018)
- Echinocereus parkeri* subsp. *arteagensis* W.Blum & Mich.Lange, Echinocereus: 175. 1998.** Sec. Guzmán Cruz & al. (2003)
- Echinocereus parkeri* subsp. *gonzalezii* (N.P.Taylor) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocereus parkeri* var. *gonzalezii* N.P.Taylor in Bradleya 6: 74. 1988 syn. sec. Guzmán Cruz & al. (2003)
- Echinocereus parkeri* subsp. *mazapilensis* W.Blum & Mich.Lange, Echinocereus: 173. 1998.** Sec. Guzmán Cruz & al. (2003)
- Echinocereus parkeri* subsp. *parkeri*.** Sec. Guzmán Cruz & al. (2003)
- Echinocereus pectinatus* (Scheidw.) Engelm., Mem. Tour N. Mexico: 109. 1848.** Sec. Sánchez & al. (2018)
- ≡ *Echinocactus pectinatus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5(8): 492–493. 1838 syn. sec. Guzmán Cruz & al. (2003)
- ≡ *Echinopsis pectinata* (Scheidw.) J.H.Fennell in Allg. Gartenzeitung 11: 282. 1843 syn. sec. Kew WCVP (2019) ≡ *Cereus pectinatus* (Scheidw.) Engelm., Pl. Fendler.: 50. 1849 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus pectinatus* var. *pectinatus* syn. sec. Parfitt & Gibson (2003)
- = *Echinocactus pectinifer* Lem., Cact. Gen. Sp. Nov.: 25. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus pectinifer* var. *laevior* Lem., Cact. Gen. Sp. Nov.: 26. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus pectiniferus* Lem., Cact. Gen. Sp. Nov.: 25. 1839 syn. sec. Britton & Rose (1922)
- = *Echinocactus pectiniferus* var. *laevior* Lem., Cact. Gen. Sp. Nov.: 26. 1839 syn. sec. Britton & Rose (1922)
- = *Echinopsis pectinata* var. *laevior* Monv. ex C.F.Först., Handb. Cacteenk.: 365. 1846 syn. sec. WFO 2019
- = *Cereus pectiniferus* Labour., Monogr. Cactaceae: 320. 1853 syn. sec. Britton & Rose (1922)
- = *Cereus dasyacanthus* var. *minor* Engelm. in Proc. Amer. Acad. Arts 3: 279. 1856 syn. sec. Kew WCVP (2019) ≡ *Echinocereus pectinatus* var. *minor* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 40(3): 125. 1968 syn. sec. Tropicos
- = *Echinocereus pectinatus* var. *castaneus* Rydb. in Monatsschr. Kakteenk. 1: 144. 1891 syn. sec. WFO 2019
- = *Echinocereus pectinatus* var. *candicans* Rydb. in Monatsschr. Kakteenk. 3: 111. 1893 syn. sec. WFO 2019
- = *Echinocereus pectinatus* var. *robustior* Th.Wolf in Monatsschr. Kakteenk. 7: 95. 1897 syn. sec. WFO 2019
- = *Echinocereus pectinatus* var. *rufispinus* K.Schum., Gesamtbeschr. Kakt.: 272. 1898 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus pectinatus* var. *laevior* Th.Wolf in Monatsschr. Kakteenk. Index: 56. 1912 syn. sec. WFO 2019
- = *Echinocereus pectinatus* var. *jamaurvei* Frič in Cactography 4. 1926 syn. sec. WFO 2019
- = *Echinocereus pectinatus* var. *reichenbachii* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C 2: t. 5. 1950 syn. sec. Kew WCVP (2019)
- = *Echinocereus pectinatus* var. *bauerii* Rother syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus pectinatus* var. *tamaulipensis* Frič ex Schelle syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus pectinatus* var. *texasensis* Rümpler syn. sec. Guzmán Cruz & al. (2003)
- Echinocereus pectinatus* subsp. *pectinatus*.** Sec. Hunt (2016)
- = *Echinocereus pectinatus* var. *robustus* F.A.Bauer in Gartenflora 39: 513. 1890 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus pectinatus* var. *chrysacanthus* K.Schum., Gesamtbeschr. Kakt.: 272. 1898 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus pectinatus* var. *crassispinus* Runge ex Mathsson syn. sec. Guzmán Cruz & al. (2003)
- Echinocereus pectinatus* subsp. *rutowiorum* W.Blum in Cact. Explor. 12: 24. 2014.** Sec. Kew WCVP (2019)

***Echinocereus pectinatus* subsp. *wenigeri* (L.D.Benson) W.Blum & Rutow, *Echinocereus Monogr.*: 7. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus pectinatus* var. *wenigeri* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 40(3): 124–125, f. 3. 1968 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus pentalophus* (DC.) J.N.Haage, *Preisverzeichniss Cact. Succ.*: 20. 1859.** Sec. Sánchez & al. (2018)

≡ *Cereus pentalophus* DC. in *Mém. Mus. Hist. Nat.* 17: 117. 1828 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus pentalophus* (DC.) Lem., *Cactées*: 56. 1868

= *Cereus pentalophus* var. *radicans* DC. in *Mém. Mus. Hist. Nat.* 17: 117. 1828 syn. sec. Kew WCVP (2019)

= *Cereus pentalophus* var. *simplex* DC. in *Mém. Mus. Hist. Nat.* 17: 117. 1828 syn. sec. Kew WCVP (2019)

= *Cereus pentalophus* var. *subarticulatus* DC. in *Mém. Mus. Hist. Nat.* 17: 117. 1828 syn. sec. Kew WCVP (2019)

= *Cereus propinquus* Salm-Dyck ex Otto in *Allg. Gartenzeitung* 1: 366. 1833 syn. sec. Kew WCVP (2019)

= *Cereus leptacanthus* DC. ex Pfeiff., *Enum. Diagn. Cact.*: 101. 1837 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus leptacanthus* DC. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 23. 1845 syn. sec. Sánchez & al. (2018) ≡ *Echinocereus*

leptacanthus (DC. ex Salm-Dyck) K.Schum., *Gesamtbeschr. Kakt.*: 260. 1898 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus propinquus* var. *subarticulatus* Pfeiff. ex C.F.Först., *Handb. Cacteenk.*: 373. 1846 syn. sec. Britton & Rose (1922)

= *Echinocereus procumbens* var. *longispinus* Hirscht in *Monatsschr. Kakteenk.* 12: 135. 1902 syn. sec. Kew WCVP (2019)

= *Echinocereus runyonii* Orcutt in *Cactography* 5. 1926 syn. sec. Kew WCVP (2019)

***Echinocereus pentalophus* subsp. *leonensis* (Mathsson) N.P.Taylor in *Cactaceae Consensus Init.* 3: 9. 1997.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocereus leonensis* Mathsson in *Monatsschr. Kakteenk.* 1: 66. 1891 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus leonensis* (Mathsson) K.Schum. in *Monatsschr. Kakteenk.* 5: 76. 1895 ≡ *Cereus leonensis* (Mathsson) Orcutt in *W. Amer. Sci.* 13: 27. 1902 syn. sec. Kew WCVP (2019) ≡ *Echinocereus pentalophus* var. *leonensis* (Mathsson) N.P.Taylor, *Gen. Echinocereus*: 78. 1985 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus pentalophus* subsp. *pentalophus*.** Sec. Guzmán Cruz & al. (2003)

***Echinocereus pentalophus* subsp. *procumbens* (Engelm.) W.Blum & Mich.Lange, *Echinocereus Monogr.*: 129. 1998.** Sec. Hunt (2016)

≡ *Cereus procumbens* Engelm. in *Mem. Amer. Acad. Arts*, n.s. 4(1): 50. 1849 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus procumbens* (Engelm.) Lem., *Cactées*: 56. 1868 syn. sec. Kew WCVP (2019) ≡ *Echinocereus pentalophus* var. *procumbens* (Engelm.) P.Fourn., *Cactées Pl. Grasses*: 25. 1935 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus procumbens* (Engelm.) Rümpler, *Handb. Cacteenk.*, ed. 2: 781. 1885 syn. sec. Blum & al. (1998)

***Echinocereus polyacanthus* Engelm., *Mem. Tour N. Mexico*: 104. 1848.** Sec. Sánchez & al. (2018)

≡ *Cereus polyacanthus* Engelm., *Pl. Fendler.*: 51. 1849 syn. sec. Blum & al. (1998) ≡ *Echinocereus triglochidiatus* var. *polyacanthus* (Engelm. ex Wisl.) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 253. 1944 syn. sec. Blum & al. (2017) ≡ *Echinocereus triglochidiatus* subsp. *polyacanthus* (Engelm.) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003 syn. sec. Kew WCVP (2019)

= *Cereus leeanus* Hook. in *Bot. Mag.* 75: t. 4417. 1849 ≡ *Echinocereus leeanus* (Hook.) Lem., *Cactées*: 57. 1868 syn. sec. Blum & al. (2017)

= *Cereus pleiogonus* Labour., *Monogr. Cactaceae*: 317. 1853 syn. sec. Blum & al. (2017) ≡ *Echinocereus pleiogonus* (Labour.) Croucher in *Garden (London)* 13: 290. 1878 syn. sec. Blum & al. (2017)

= *Echinocereus durangensis* Rümpler, *Handb. Cacteenk.*, ed. 2: 800. 1885 syn. sec. Blum & al. (2017)

= *Echinocereus durangensis* var. *nigrispinus* Rümpler, *Handb. Cacteenk.*, ed. 2: 800. 1885 syn. sec. Blum & al. (2017)

= *Echinocereus durangensis* var. *rufispinus* Rümpler, *Handb. Cacteenk.*, ed. 2: 800. 1885 syn. sec. Blum & al. (2017)

= *Echinocereus acifer* var. *diversispinus* K.Schum., *Gesamtbeschr. Kakt.*: 287. 1898 syn. sec. Blum & al. (2017)

= *Echinocereus acifer* var. *durangensis* K.Schum., *Gesamtbeschr. Kakt.*: 287. 1898 syn. sec. Blum & al. (2017)

= *Echinocereus leeanus* var. *multicostatus* K.Schum., *Gesamtbeschr. Kakt.*: 289. 1898 syn. sec. Blum & al. (2017)

= *Echinocereus marksianus* Fritz Schwarz in *Backeberg, Kakteenlex.*: 124. 1966 syn. sec. Blum & al. (2017)

Notes. – The basionym *C. pleiogonus* had been previously assigned to *E. triglochidiatus*. However, the original description mentions a plant with 13 ribs, 9 radial spines and 4 central spines, which does not agree with *E. triglochidiatus*. Blum & al. (2017) suggest that *C. pleiogonus* may belong to *E. polyacanthus*. [Sánchez (2021)]

***Echinocereus poselgeri* Lem., *Cactées*: 57. 1868.** Sec. Sánchez & al. (2018)

≡ *Cereus poselgeri* (Lem.) J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 398. 1896 ≡ *Wilcoxia poselgeri* (Lem.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 434. 1909

= *Cereus tuberosus* Poselg. in *Allg. Gartenzeitung* 21: 135. 1853 ≡ *Echinocereus tuberosus* Poselg. ex Rümpler, *Handb. Cacteenk.*, ed. 2, 2(16): 783. 1886 syn. sec. Parfitt & Gibson (2003) ≡ *Wilcoxia tuberosa* (Poselg.) A.Berger, *Kakteen*: 134. 1929

= *Echinocereus poselgeri* subsp. *gerhardii* Waldeis, W.Blum & D.Felix in *Echinocereenfreund Sonderausg.* 21: 53. 2008 syn. sec. Kew WCVP (2019)

– *Wilcoxia tamaulipensis* var. *brevissima* A.Cartier in *Succulentas* 1980(4): 7. 1980, nom. inval. syn. sec. Kew WCVP (2019)

***Echinocereus primolanatus* Fritz Schwarz ex N.P.Taylor, *Gen. Echinocereus*: 130. 1985.** Sec. Sánchez & al. (2018)

– *Echinocereus primolanatus* Fritz Schwarz ex Backeb., *Cactaceae* 4: 2043. 1960, nom. inval. syn. sec. Berendsohn (2020)

***Echinocereus pseudopectinatus* (N.P.Taylor) N.P.Taylor in Bradleya 7: 74. 1989.** Sec. Sánchez & al. (2018)

≡ *Echinocereus bristolii* var. *pseudopectinatus* N.P.Taylor, Gen. Echinocereus: 120, f. A–C. 1985 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus scopulorum* subsp. *pseudopectinatus* (N.P.Taylor) W.Blum & Mich.Lange, Echinocereus Monogr.: 9. 1998 syn. sec. Tropicos

***Echinocereus pulchellus* (Mart.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894.** Sec. Sánchez & al. (2020)

≡ *Echinocactus pulchellus* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 16: 342. 1828 syn. sec. Sánchez & al.

(2020) ≡ *Cereus pulchellus* (Mart.) Pfeiff., Enum. Diagn. Cact.: 74. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus pulchellus* subsp. *pulchellus* syn. sec. Sánchez & al. (2020)

= *Echinonyctanthus pulchellus* Lem., Cact. Gen. Sp. Nov.: 85. 1839 syn. sec. Kew WCVP (2019)

= *Echinopsis amoena* A.Dietr. in Allg. Gartenzeitung 12: 187. 1844 syn. sec. Sánchez & al. (2020) ≡ *Echinopsis pulchella* var. *amoena* (A.Dietr.) C.F.Först., Handb. Cacteenk.: 364. 1846 syn. sec. Kew WCVP (2019) ≡ *Cereus amoenus* (A.Dietr.) Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 540. 1880 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus amoenus* (A.Dietr.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus pulchellus* var. *amoenus* (A.Dietr.) K.Schum., Gesamtbeschr. Kakt.: 253. 1897 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Echinocereus pulchellus* var. *amoenus* (A.Dietr.) Kelsey & Dayton, Standard. Pl. Names, ed. 2. 71. 1942

= *Echinopsis pulchella* Zucc. ex C.F.Först., Handb. Cacteenk.: 363. 1846 syn. sec. Kew WCVP (2019)

= *Echinocereus pulchellus* subsp. *sladkovskyi* Halda & Kupčák in Acta Mus. Richnov., Sect. Nat., 7: 34. 2000 syn. sec. Sánchez & al. (2020)

***Echinocereus rayonesensis* N.P.Taylor in Bradleya 6: 75–76. 1988.** Sec. Sánchez & al. (2018)

≡ *Echinocereus parkeri* subsp. *rayonesensis* (N.P.Taylor) D.Felix & W.Blum, Echinocereus 24 (special edition): 99. 2011 syn. sec. Sánchez & al. (2018)

***Echinocereus reichenbachii* (Terscheck ex Walp.) J.N.Haage, Preisverzeichniss Cact. Succ.: 20. 1859.** Sec. Sánchez & al. (2018)

≡ *Echinocactus reichenbachii* Terscheck ex Walp., Repert. Bot. Syst. 2: 320. 1843 syn. sec. Parfitt & Gibson (2003) ≡

Echinopsis pectinata var. *reichenbachii* (Terscheck ex Walp.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 26. 1845 syn. sec. WFO 2019 ≡ *Echinocereus reichenbachii* var. *reichenbachii* – *Echinocereus reichenbachii* (Terscheck) Britton & Rose, Cactaceae 3: 25. 1922, nom. inval. syn. sec. Berendsohn (2020)

= *Cereus caespitosus* Engelm. in Boston J. Nat. Hist. 5: 247. 1845 ≡ *Echinocereus caespitosus* (Engelm.) Engelm., Mem. Tour N. Mexico: 110. 1848 ≡ *Echinocereus pectinatus* var. *caespitosus* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 272. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocereus reichenbachii* subsp. *caespitosus* (Engelm.) W.Blum & Mich.Lange, Echinocereus Prepr.: 8. 1998 syn. sec. Tropicos

= *Echinopsis reichenbachiana* Pfeiff. ex C.F.Först., Handb. Cacteenk.: 365. 1846 syn. sec. Kew WCVP (2019)

= *Cereus caespitosus* var. *castaneus* Engelm. in Boston J. Nat. Hist. 6: 203. 1850 syn. sec. Kew WCVP (2019) ≡ *Cereus reichenbachianus* var. *castaneus* Labour., Monogr. Cactaceae: 319. 1853 syn. sec. Britton & Rose (1922) ≡ *Echinocereus caespitosus* var. *castaneus* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 811. 1885 syn. sec. Kew WCVP (2019) ≡

Echinocereus castaneus (Engelm.) Orcutt in Cactography 4. 1926 syn. sec. Kew WCVP (2019) ≡ *Echinocereus caespitosus* f. *castaneus* (Engelm.) Borg, Cacti, ed. 1: 174. 1937 syn. sec. Britton & Rose (1922)

= *Cereus pectinifer* Labour., Monogr. Cact.: 320. 1853 syn. sec. Kew WCVP (2019)

= *Cereus reichenbachianus* Labour., Monogr. Cactaceae: 318. 1853 syn. sec. Britton & Rose (1922)

= *Cereus caespitosus* var. *major* Engelm. in Proc. Amer. Acad. Arts 3: 280. 1856 syn. sec. Kew WCVP (2019) ≡ *Echinocereus caespitosus* var. *major* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 811. 1885 syn. sec. Kew WCVP (2019)

= *Cereus caespitosus* var. *minor* Engelm. in Proc. Amer. Acad. Arts 3: 280. 1856 syn. sec. Kew WCVP (2019)

= *Cereus concolor* J.M.Bigelow, Expl. Railroad Mississippi Pacific Add.: 2. 1856 syn. sec. Kew WCVP (2019)

= *Echinocereus texensis* Jacobi in Allg. Gartenzeitung 24: 110. 1856 syn. sec. Britton & Rose (1922)

= *Echinocereus rotatus* Linke in Wochenschr. Gärtnerei Pflanzenk. 1: 85. 1858 syn. sec. Kew WCVP (2019)

= *Echinocereus rungei* K.Schum. in Monatsschr. Kakteenk. 5: 124. 1895 syn. sec. Sánchez (2021)

= *Echinocereus reichenbachii* subsp. *comanchensis* D.Felix, Oldach & J.Oldach, Echinocereus reichenbachii-fitchii-Komplex: 209. 2005 syn. sec. Kew WCVP (2019)

***Echinocereus reichenbachii* subsp. *armatus* (Poselg.) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus pectinatus* var. *armatus* Poselg. in Allg. Gartenzeitung 21: 134. 1853 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinocereus armatus (Poselg.) A.Berger, Kakteen: 179. 1929 syn. sec. Kew WCVP (2019) ≡ *Echinocereus reichenbachii* var. *armatus* (Poselg.) N.P.Taylor, Gen. Echinocereus: 133. 1985 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fitchii* subsp. *armatus* (Poselg.) W.Blum, Mich.Lange & Rutow, Echinocereus Monogr.: 5. 1998 syn. sec. Guzmán Cruz & al. (2003)

***Echinocereus reichenbachii* subsp. *baileyi* (Rose) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Hunt (2016)

≡ *Echinocereus baileyi* Rose in Contr. U.S. Natl. Herb. 12(9): 403, pl. 56–57. 1909 ≡ *Echinocereus reichenbachii* var. *baileyi* (Rose) N.P.Taylor, Gen. Echinocereus: 133. 1985

= *Echinocereus albispinus* Lahman in Cact. Succ. J. (Los Angeles) 6: 143. 1935 syn. sec. Blum & al. (1998) ≡ *Echinocereus*

baileyi var. *albispinus* (Lahman) Backeb. in Kakteenkunde 1941: 47. 1941 syn. sec. Blum & al. (1998) ≡ *Echinocereus*

reichenbachii var. *albispinus* (Lahman) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969 syn. sec. Blum & al. (1998)

= *Echinocereus purpureus* Lahman in Cact. Succ. J. (Los Angeles) 6: 141. 1935 syn. sec. Blum & al. (1998)

- = *Echinocereus baileyi* var. *brunispinus* Backeb. in Kakteenkunde 1941: 4. 1941 syn. sec. WFO 2019
 = *Echinocereus baileyi* var. *flavispinus* Backeb. in Kakteenkunde 1941: 4. 1941 syn. sec. WFO 2019
 = *Echinocereus baileyi* var. *roseispinus* Backeb. in Kakteenkunde 1941: 4. 1941 syn. sec. WFO 2019
 = *Echinocereus longispinus* Lahman in Cact. Succ. J. (Los Angeles) 22: 128. 1950 syn. sec. Kew WCVP (2019)
 = *Echinocereus oklahomensis* Lahman in Cact. Succ. J. (Los Angeles) 22: 128. 1950 syn. sec. WFO 2019
 = *Echinocereus baileyi* var. *caespiticus* Backeb., Cactaceae 4: 2011. 1960 syn. sec. Kew WCVP (2019)
 – *Echinocereus mariae* Backeb. in Natl. Cact. Succ. J. 20: 19. 1965, nom. inval. syn. sec. Blum & al. (1998)
- Echinocereus reichenbachii* subsp. *burrensis* G.Frank, Metorn & E.Scherer in Echinocereenfreund 13: 63. 2000.** Sec. Hunt (2016)
- Echinocereus reichenbachii* subsp. *fitchii* (Britton & Rose) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Hunt (2016)
- ≡ *Echinocereus fitchii* Britton & Rose, Cactaceae 3: 30, pl. 3, f. 2. 1922 ≡ *Echinocereus reichenbachii* var. *fitchii* (Britton & Rose) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969
 = *Echinocereus melanocentrus* Graessner, Hauptverz.: 6. 1937 syn. sec. Tropicós
 = *Echinocereus reichenbachii* var. *albertii* L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus fitchii* subsp. *albertii* (L.D.Benson) W.Blum & Mich.Lange, Echinocereus Monogr.: 5. 1998 ≡ *Echinocereus reichenbachii* subsp. *albertii* (L.D.Benson) Pilbeam, Echinocereus: 117. 2011 syn. sec. Korotkova (2021)
 = *Echinocereus fitchii* subsp. *bergmannii* W.Blum, Echinocereus reichenbachii-fitchii-Komplex: 265. 2005 syn. sec. Kew WCVP (2019)
- Echinocereus reichenbachii* subsp. *perbellus* (Britton & Rose) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Hunt (2016)
- ≡ *Echinocereus perbellus* Britton & Rose, Cactaceae 3: 24–25, f. 24. 1922 ≡ *Echinocereus reichenbachii* var. *perbellus* (Britton & Rose) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969
- Echinocereus reichenbachii* subsp. *reichenbachii*.** Sec. Guzmán Cruz & al. (2003)
- Echinocereus relictus* Wellard in J. Bot. Res. Inst. Texas 10: 354. 2016.** Sec. Kew WCVP (2019)
- Echinocereus rigidissimus* (Engelm.) Rose in Contr. U.S. Natl. Herb. 12: 293. 1909.** Sec. Sánchez & al. (2018)
- ≡ *Cereus pectinatus* var. *rigidissimus* Engelm. in Proc. Amer. Acad. Arts 3: 279. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus pectinatus* var. *rigidissimus* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 818. 1885 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocereus dasyacanthus* var. *rigidissimus* (Engelm.) W.T.Marshall in Marshall & Bock, Cactaceae: 119. 1941 syn. sec. Kew WCVP (2019) ≡ *Echinocereus rigidissimus* var. *rigidissimus* – *Echinocereus rigidissimus* (Engelm.) F.Haage, Special Preisverz.: 13. 1897, nom. inval. syn. sec. Sánchez & al. (2018)
 – *Echinocereus rigidispinus* (Muehlenpf.) Engelm. ex J.N.Haage in Preis-Verz. Cact.: 23. 1859, nom. nud. syn. sec. Blum & al. (1998)
- Echinocereus rigidissimus* subsp. *rigidissimus*.** Sec. Guzmán Cruz & al. (2003)
- Echinocereus rigidissimus* subsp. *rubispinus* (G.Frank & A.B.Lau) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocereus pectinatus* var. *rubispinus* G.Frank & A.B.Lau in Kakteen And. Sukk. 33(2): 35. 1982 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus rigidissimus* var. *rubispinus* (G.Frank & A.B.Lau) N.P.Taylor in Kew Mag. 1: 175. 1984
- Echinocereus ×roetteri* (Engelm.) Engelm. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 829. 1886.** Sec. Hunt (2016)
- ≡ *Cereus roetteri* Engelm. in Proc. Amer. Acad. Arts 3: 345–346. 1856 syn. sec. Hunt (2016) ≡ *Cereus ×roetteri* Engelm., Descr. Cact.: 33. 1856 syn. sec. Hunt (2016)
- Echinocereus ×roetteri* var. *lloydii* (Britton & Rose) Backeb., Cactaceae 4: 2027. 1960**
- ≡ *Echinocereus lloydii* Britton & Rose, Cactaceae 3: 37–38. 1922 syn. sec. IPNI
- Echinocereus ×roetteri* var. *neomexicanus* (J.M.Coult.) A.D.Zimmerman, Cacti Trans-Pecos: 211. 2004**
- ≡ *Cereus dasyacanthus* var. *neomexicanus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 384. 1896 syn. sec. Tropicós ≡ *Echinocereus pectinatus* var. *neomexicanus* (J.M.Coult.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 256. 1944 syn. sec. Kew WCVP (2019)
- Echinocereus rusanthus* D.Weniger in Cact. Succ. J. (Los Angeles) 41: 41, f. 5. 1969.** Sec. Sánchez & al. (2018)
- ≡ *Echinocereus chloranthus* var. *rusanthus* (D.Weniger) Lamb. ex G.D.Rowley in Repert. Pl. Succ. 23: 7. 1974 ["1972"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus viridiflorus* var. *rusanthus* (D.Weniger) A.D.Zimmerman, Cacti Trans-Pecos: 263. 2004 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus rusanthus* subsp. *rusanthus*
 = *Echinocereus rusanthus* var. *fiehnii* Trocha in Echinocereenfreund 10: 69. 1997 ≡ *Echinocereus rusanthus* subsp. *fiehnii* (Trocha) W.Blum & Mich.Lange, Echinocereus Monogr.: 8. 1998 syn. sec. Hunt (2016)
 = *Echinocereus rusanthus* subsp. *weedinii* Leuck. ex W.Blum & Mich.Lange, Echinocereus Monogr.: 8. 1998 syn. sec. Hunt (2016) ≡ *Echinocereus viridiflorus* var. *weedinii* (Leuck ex W.Blum & Mich.Lange) A.D.Zimmerman, Cacti Trans-Pecos: 270. 2004
- Echinocereus salm-dyckianus* Scheer in Bot. Voy. Herald: 291. 1856.** Sec. Hunt (2016)
- = *Cereus salm-dyckianus* Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 545. 1880 syn. sec. Rischer (2016)
 = *Echinocereus salmianus* Rümpler, Handb. Cacteenk., ed. 2: 809. 1885 syn. sec. Rischer (2016)
 = *Cereus salmianus* J.F.Cels in Weber, Dict. Hort.: 472. 1896 syn. sec. Rischer (2016)

- = *Echinocereus salmianus* K.Schum., Gesamtbeschr. Kakt.: 255. 1897 syn. sec. Rischer (2016)
 = *Echinocereus salm-dyckianus* var. *noctiflorus* Heid in Leaflet. W. Bot. 4: 27. 1944 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* var. *obscuriensis* A.B.Lau in Kakteen And. Sukk. 40: 36. 1989 syn. sec. Rischer (2016) ≡ *Echinocereus salm-dyckianus* subsp. *obscuriensis* (A.B.Lau) W.Blum in Echinocereenfreund 7: 82. 1994 syn. sec. Rischer (2016) ≡ *Echinocereus salm-dyckianus* f. *obscuriensis* (A.B.Lau) W.Rischer & Trocha in Echinocereenfreund Sonderausg. 1999: 10. 1999 syn. sec. Rischer (2016) ≡ *Echinocereus scheeri* subsp. *obscuriensis* (A.B.Lau) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* subsp. *rischeri* R.C.Römer in Echinocereenfreund 17: 8. 2004 syn. sec. Sánchez (2021) ≡ *Echinocereus rischeri* (R.C.Römer) W.Rischer in Echinocereenfreund 20: 118. 2007 syn. sec. Sánchez (2021)
- Notes. – Taylor (1985) and Sánchez & al. (2013) suggest that *E. salm-dyckianus* and *E. scheeri* represent the same species. However, chromosome numbers suggest that *E. scheeri* is diploid, while *E. salm-dyckianus* is tetraploid (Rischer 2016). The morphology of the tetraploid *E. rischeri* overlaps to *E. salm-dyckianus* and both inhabit the same geographical region (at Sierra Madre Occidental, mainly Chihuahua and Sonora, Mexico). Although differences in flower opening are reported (night vs all day opening), they are not mutually exclusive. So, in the absence of phylogenetic or statistical data, *E. rischeri* and *E. salm-dyckianus* are treated here as belonging to the tetraploid lineage. [Sánchez (2021)]
- Echinocereus sanpedroensis* Raudonat & Rischer in Echinocereenfreund 8: 88. 1995.** Sec. Rischer (2016)
***Echinocereus santaritensis* W.Blum & Rutow, Echinocereus: 369. 1998.** Sec. Sánchez & al. (2018)
 ≡ *Echinocereus coccineus* subsp. *santaritensis* (W.Blum & Rutow) M.A.Baker in Phytoneuron 2014-69: 38. 2014 syn. sec. Korotkova (2021)
***Echinocereus santaritensis* subsp. *bacanorensis* (W.Rischer & Trocha) W.Rischer & D.Felix in Echinocereenfreund 19(3): 91. 2006.** Sec. Hunt (2016)
 ≡ *Echinocereus salm-dyckianus* subsp. *bacanorensis* W.Rischer & Trocha in Echinocereenfreund 11(1): 3–10. 1998 ≡ *Echinocereus klapperi* subsp. *bacanorensis* (W.Rischer & Trocha) W.Rischer in Echinocereenfreund 16: 22. 2003 ≡ *Echinocereus bacanorensis* (W.Rischer & Trocha) W.Blum in Echinocereenfreund 30 (Sonderausg.): 406. 2017
***Echinocereus santaritensis* subsp. *santaritensis*.** Sec. Hunt (2016)
***Echinocereus scheeri* (Salm-Dyck) Scheer, Bot. Voy. Herald: 291. 1856.** Sec. Sánchez & al. (2018)
 ≡ *Cereus scheeri* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 190. 1850 ≡ *Echinocereus scheeri* (Salm-Dyck) Rümpler, Handb. Cacteenk., ed. 2: 801. 1885
***Echinocereus scheeri* subsp. *gentryi* (Clover) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997.** Sec. Hunt (2016)
 ≡ *Echinocereus gentryi* Clover in Bull. Torrey Bot. Club 65(8): 565. f. 1–3. 1936 ≡ *Echinocereus scheeri* var. *gentryi* (Clover) N.P.Taylor in Kew Mag. 1: 154. 1984
 = *Echinocereus cucumis* Werderm. in Natl. Cact. Succ. J. 4: 4. 1949 syn. sec. Kew WCVP (2019)
***Echinocereus scheeri* subsp. *scheeri*.** Sec. Hunt (2016)
 = *Echinocereus scheeri* var. *nigrispinus* Scheer, Bot. Voy. Herald: 291. 1856 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* var. *major* Focke in Monatsschr. Kakteenk. 15: 175. 1905 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* var. *minor* Hutch. & Dalziel in Monatsschr. Kakteenk. 15: 175. 1905 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* var. *robustior* Focke in Monatsschr. Kakteenk. 15: 161. 1905 syn. sec. Rischer (2016)
 = *Echinocereus scheeri* subsp. *paridensis* Rischer & Trocha in Echinocereenfreund 11: 58. 1998 syn. sec. Rischer (2016)
***Echinocereus schereri* G.Frank in Kakteen And. Sukk. 41(8): 159. 1990.** Sec. Guzmán Cruz & al. (2003)
***Echinocereus schmollii* (Weing.) N.P.Taylor, Gen. Echinocereus: 140. 1985.** Sec. Sánchez & al. (2018)
 ≡ *Cereus schmollii* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 3: 251. 1931 ≡ *Wilcoxia schmollii* (Weing.) F.M.Knuth, Kaktus-ABC: 323. 1936 ["1935"]
 = *Wilcoxia nerispina* A.Cartier in Succulentent 1980(4): 9. 1980 syn. sec. Tropicos
 – *Wilcoxia schmollii* var. *lanata* A.Cartier in Succulentent 1980(4): 8. 1980, nom. inval. syn. sec. Kew WCVP (2019)
***Echinocereus sciurus* (K.Brandegee) Dams in Monatsschr. Kakteenk. 14(8): 130. 1904.** Sec. Sánchez & al. (2018)
 ≡ *Cereus sciurus* K.Brandegee in Zoë 5(10): 192. 1905 ≡ *Echinocereus sciurus* (K.Brandegee) Britton & Rose, Cactaceae 3: 22. 1922 syn. sec. Britton & Rose (1922)
***Echinocereus sciurus* subsp. *floresii* (Schwarz ex Backeb.) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997.** Sec. Guzmán Cruz & al. (2003)
 ≡ *Echinocereus floresii* Schwarz ex Backeb. in Blätt. Sukkulente. 1: 5. 1949 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus sciurus* var. *floresii* (Backeb.) N.P.Taylor, Gen. Echinocereus: 115. 1985 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus bristolii* subsp. *floresii* (Backeb.) W.Blum & Mich.Lange, Echinocereus Monogr.: 3. 1998 syn. sec. Guzmán Cruz & al. (2003)
***Echinocereus sciurus* subsp. *sciurus*.** Sec. Guzmán Cruz & al. (2003)
***Echinocereus scopulorum* Britton & Rose, Cactaceae 3: 30–31, f. 34. 1922.** Sec. Sánchez & al. (2018)
***Echinocereus sharpii* (N.P.Taylor) Dan.Sánchez & Gómez-Quintero in Brittonia 72(4): 448. 2020.** Sec. Sánchez & al. (2020)
 ≡ *Echinocereus pulchellus* var. *sharpii* N.P.Taylor in Bradleya 7: 75. 1989 syn. sec. Sánchez & al. (2020) ≡ *Echinocereus pulchellus* subsp. *sharpii* (N.P.Taylor) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997 syn. sec. Sánchez & al. (2020)
***Echinocereus spinigemmatum* A.B.Lau in Kakteen And. Sukk. 35: 250. 1984.** Sec. Sánchez & al. (2018)

- Echinocereus stolonifer* W.T.Marshall in Cact. Succ. J. (Los Angeles) 9: 159. 1938.** Sec. Sánchez & al. (2018)
 – *Echinocereus stoloniferus* W.T.Marshall, nom. inval. syn. sec. Korotkova & al. (2021) [is orthographic variant for *Echinocereus stolonifer* W.T.Marshall]
- Echinocereus stolonifer* subsp. *stolonifer*.** Sec. Hunt (2016)
 = *Echinocereus subterraneus* Backeb., Cactaceae 4: 2012. 1960 syn. sec. Hunt (2016)
- Echinocereus stolonifer* subsp. *tayopensis* (W.T.Marshall) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997.** Sec. Hunt (2016)
 = *Echinocereus tayopensis* W.T.Marshall in Saguaroand Bull. 10: 78. 1956 = *Echinocereus stolonifer* var. *tayopensis* (W.T.Marshall) N.P.Taylor in Kew Mag. 2: 258. 1985 = *Echinocereus stolonifer* subsp. *tayopensis* (W.T.Marshall) G.Pichler in Repert. Pl. Succ. 45: 9. 1994
- Echinocereus stramineus* (Engelm.) F.Seitz, Cat. Cact. Cult.: 11. 1870.** Sec. Sánchez & al. (2018)
 = *Cereus stramineus* Engelm. in Proc. Amer. Acad. Arts 3: 282. 1856 syn. sec. Parfitt & Gibson (2003) = *Echinocereus stramineus* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2: 797. 1885 syn. sec. Tropicos = *Echinocereus enneacanthus* var. *stramineus* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 127. 1969 syn. sec. Guzmán Cruz & al. (2003) = *Echinocereus stramineus* subsp. *stramineus* = *Echinocereus stramineus* var. *stramineus*
 = *Echinocereus conglomeratus* Mathsson in Gartenflora 39: 465. 1890 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
 = *Echinocereus conglomeratus* C.F.Först. ex K.Schum., Gesamtbeschr. Kakt.: 278. 1898 syn. sec. Sánchez (2021) = *Cereus conglomeratus* (C.F.Först.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 81. 1905 syn. sec. Sánchez (2021) = *Echinocereus enneacanthus* var. *conglomeratus* (C.F.Först. ex K.Schum.) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 80. 1974 syn. sec. Sánchez (2021) = *Echinocereus stramineus* var. *conglomeratus* (C.F.Först.) Bravo in Cact. Suc. Mex. 19: 47. 1974 syn. sec. Sánchez (2021) = *Echinocereus stramineus* subsp. *conglomeratus* (C.F.Först. ex K.Schum.) W.Blum in Xerophilia special issue 7.2: 16. 2015 syn. sec. Sánchez (2021)
- Echinocereus subinermis* Salm-Dyck ex Scheer in Bot. Voy. Herald: 291. 1856.** Sec. Sánchez & al. (2018)
 = *Cereus subinermis* Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 546. 1880 syn. sec. Kew WCVP (2019)
- Echinocereus subinermis* subsp. *ochoterenae* (J.G.Ortega) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997.** Sec. Guzmán Cruz & al. (2003)
 = *Echinocereus ochoterenae* J.G.Ortega in Revista Mexico Forestal 6: 88. 1928 = *Echinocereus subinermis* var. *ochoterenae* (J.G.Ortega) G.Unger in Kakteen And. Sukk. 35: 164. 1984
- Echinocereus subinermis* subsp. *subinermis*.** Sec. Guzmán Cruz & al. (2003)
 = *Echinocereus luteus* Britton & Rose in Contr. U.S. Natl. Herb. 16: 239. 1913 syn. sec. Blum & al. (1998) = *Echinocereus subinermis* var. *luteus* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 312. 1936 ["1935"] syn. sec. Blum & al. (1998) = *Echinocereus subinermis* var. *luteus* (Britton & Rose) Backeb., Cactaceae 4: 1994. 1960 syn. sec. Blum & al. (1998) – *Echinocactus luteus* Britton & Rose in Contr. U.S. Natl. Herb. 16: 259. 1913 syn. sec. Blum & al. (1998) [is misspelling for *Echinocereus luteus* Britton & Rose]
- Echinocereus tamaulipensis* (Werderm.) Mich.Lange in Kakteen And. Sukk. 46: 139. 1995.** Sec. Sánchez & al. (2018)
 = *Wilcoxia tamaulipensis* Werderm. in Kakteenkunde & Kakteenfr. 1938: 86. 1938
- Echinocereus triglochidiatus* Engelm., Mem. Tour N. Mexico: 93. 1848.** Sec. Sánchez & al. (2018)
 = *Cereus triglochidiatus* Engelm., Pl. Fendler.: 51. 1849 = *Echinocereus paucispinus* var. *triglochidiatus* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 281. 1898
 = *Echinocereus hexaedrus* Rümpler, Handb. Cacteenk., ed. 2: 807. 1885 syn. sec. Sánchez (2021)
- Echinocereus triglochidiatus* subsp. *mojavensis* (Engelm. & J.M.Bigelow) W.Blum & Mich.Lange, Echinocereus Monogr: 9. 1998.** Sec. Hunt (2016)
 = *Cereus mojavensis* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 281–282. 1856 syn. sec. IPNI: 20 mar 2021 = *Echinocereus mojavensis* (Engelm. & J.M.Bigelow) Engelm. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 803. 1886 = *Echinocereus triglochidiatus* var. *mojavensis* (Engelm. & J.M.Bigelow) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 253. 1944 = *Echinocereus coccineus* subsp. *mojavensis* (Engelm. & J.M.Bigelow) N.P.Taylor in Cactaceae Consensus Init. 3: 8. 1997 = *Cereus mojavensis* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 33. 1857 syn. sec. TPL (2013)
 = *Cereus mojavensis* var. *zuniensis* Engelm. in Proc. Amer. Acad. Arts 3: 281. 1856 syn. sec. Kew WCVP (2019) = *Echinocereus mojavensis* var. *zuniensis* (Engelm.) Rümpler, Handb. Cacteenk., ed. 2, 2(16): 803. 1886 syn. sec. Kew WCVP (2019)
 = *Cereus bigelovii* Engelm. in Pacif. Railr. Rep. Parke, Bot. 4: t. 4, f. 8. 1857 syn. sec. Kew WCVP (2019)
 = *Cereus mohavensis* S.Watson, Bibl. Index N. Amer. Bot.: 398. 1878 syn. sec. Kew WCVP (2019)
 = *Echinocereus phoeniceus* var. *inermis* K.Schum. in Monatsschr. Kakteenk. 6: 150. 1896 syn. sec. Sánchez (2021) = *Echinocereus phoeniceus* f. *inermis* (K.Schum.) Schelle, Handb. Kakteenkult.: 138. 1907 syn. sec. Sánchez (2021) = *Echinocereus coccineus* var. *inermis* (K.Schum.) J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 1925: 49. 1925 syn. sec. Sánchez (2021) = *Echinocereus triglochidiatus* var. *inermis* (K.Schum.) Arp in Cact. Succ. J. (Los Angeles) 45: 132. 1973 syn. sec. Sánchez (2021) = *Echinocereus triglochidiatus* f. *inermis* (K.Schum.) W.Blum, Echinocereus Monogr.: 9. 1998 syn. sec. Sánchez (2021)
 = *Echinocereus sandersi* Orcutt in Cactography 5. 1926 syn. sec. Blum & al. (2015)

Echinocereus triglochidiatus* subsp. *triglochidiatus. Sec. Hunt (2016)

- = *Cereus gonacanthus* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 283. 1856 syn. sec. Sánchez (2021) ≡ *Echinocereus gonacanthus* (Engelm. & J.M.Bigelow) Lem., Cactées: 57. 1868 syn. sec. Blum & al. (2015) ≡ *Echinocereus triglochidiatus* var. *gonacanthus* (Engelm. & J.M.Bigelow) Boissev., Colorado Cact.: 36. 1940 syn. sec. Blum & al. (2015) ≡ *Echinocereus paucispinus* var. *gonacanthus* (Engelm. & J.M.Bigelow) K.Schum., Gesamtbeschr. Kakt.: 281. 1898 syn. sec. Tropicos – *Cereus gonacanthus* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 33. 1857, nom. inval. syn. sec. Sánchez (2021)
- = *Cereus hexaedrus* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 34. 1857 syn. sec. Blum & al. (2015) ≡ *Echinocereus paucispinus* var. *hexaedrus* (Engelm. & J.M.Bigelow) K.Schum., Gesamtbeschr. Kakt.: 281. 1898 syn. sec. Blum & al. (2015) ≡ *Echinocereus triglochidiatus* var. *hexaedrus* (Engelm. & J.M.Bigelow) Boissev., Colorado Cact.: 36. 1940 syn. sec. Blum & al. (2015)
- = *Echinocereus gonacanthus* Rümpler, Handb. Cacteenk., ed. 2: 806. 1885 syn. sec. Tropicos
- = *Echinocereus monacanthus* Heese in Gartenflora 53: 215. 1904 syn. sec. Blum & al. (2015)

Echinocereus viereckii* Werderm. in Kakteenkunde 1934: 188. 1934**. Sec. Sánchez & al. (2018)Echinocereus viereckii* subsp. *morricalii* (Říha) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997**. Sec. Guzmán Cruz & al. (2003)

- ≡ *Echinocereus morricalii* Říha in Kaktusy (Brno) 11(4): 75. 1974 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus viereckii* var. *morricalii* (Říha) N.P.Taylor, Gen. Echinocereus: 93. 1985 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocereus viereckii* subsp. *huastecensis* W.Blum, Mich.Lange & Rutow, Echinocereus Monogr.: 9. 1998 syn. sec. Guzmán Cruz & al. (2003)

Echinocereus viereckii* subsp. *santamariensis* W.Blum & D.Felix in Echinocereenfreund 23(3): 65. 2010**. Sec. Felix & Bauer (2018)Echinocereus viereckii* subsp. *viereckii***. Sec. Guzmán Cruz & al. (2003)***Echinocereus viridiflorus* Engelm., Mem. Tour N. Mexico: 91. 1848**. Sec. Sánchez & al. (2018)

- ≡ *Cereus viridiflorus* Engelm., Pl. Fendler.: 50. 1849 syn. sec. Britton & Rose (1922) ≡ *Echinocactus viridiflorus* (Engelm.) Pritz., Icon. Bot. Index 2: 114. 1855 syn. sec. Britton & Rose (1922) ≡ *Echinocereus viridiflorus* var. *viridiflorus*

***Echinocereus viridiflorus* subsp. *correllii* (L.D.Benson) W.Blum & Mich.Lange, Echinocereus Monogr: 10. 1998**. Sec. Hunt (2016)

- ≡ *Echinocereus viridiflorus* var. *correllii* L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 128. 1969

Echinocereus viridiflorus* subsp. *viridiflorus. Sec. Hunt (2016)

- = *Cereus viridiflorus* var. *minor* Engelm. in Proc. Amer. Acad. Arts 3: 278. 1856 syn. sec. Britton & Rose (1922)
- = *Echinocereus labouretianus* Lem., Cactées: 57. 1868 syn. sec. Britton & Rose (1922)
- = *Echinocactus labouretii* C.F.Först., Handb. Cacteenk., ed. 2: 811. 1885 syn. sec. Britton & Rose (1922)
- = *Echinocereus viridiflorus* var. *gracilispinus* Rümpler, Handb. Cacteenk., ed. 2: 814. 1885 syn. sec. Britton & Rose (1922)
- = *Echinocereus strausianus* Haage Jr. in Quehl in Monatsschr. Kakteenk. 10: 70. 1890 syn. sec. Britton & Rose (1922)
- = *Echinocereus viridiflorus* var. *major* Bridson in Monatsschr. Kakteenk. 16: 142. 1906 syn. sec. Britton & Rose (1922)
- = *Echinocereus viridiflorus* var. *rubra* Frič in Českoslov. Zahradn. Listy 1924: 121. 1924 syn. sec. WFO 2019

***Echinocereus waldeisii* Haugg in Kakteen And. Sukk. 45(1): 6. 1994**. Sec. Sánchez & al. (2018)

- ≡ *Echinocereus tamaulipensis* subsp. *waldeisii* (Haugg) Mich.Lange in Kakteen And. Sukk. 46: 142. 1995
- = *Echinocereus tamaulipensis* subsp. *deherdtii* Mich.Lange in Kakteen And. Sukk. 46: 140. 1995 syn. sec. Blum & al. (2018)

Echinocereus websterianus* G.E.Linds. in Cact. Succ. J. (Los Angeles) 19: 153, f. 102–103. 1947**. Sec. Sánchez & al. (2018)Echinocereus weinbergii* Weing. in Monatsschr. Kakteenk. 12: 83. 1912**. Sec. Sánchez & al. (2020)

- ≡ *Echinocereus pulchellus* var. *weinbergii* (Weing.) N.P.Taylor in Kew Mag. 2: 272. 1985 syn. sec. Sánchez & al. (2020) ≡ *Echinocereus pulchellus* subsp. *weinbergii* (Weing.) N.P.Taylor in Cactaceae Consensus Init. 3: 9. 1997 syn. sec. Sánchez & al. (2020)

***Echinocereus weinbergii* subsp. *venustus* (W.Blum & W.Rischer) Gómez-Quintero & Dan.Sánchez in Brittonia 72 (4): 449. 2020**. Sec. Sánchez & al. (2020)

- ≡ *Echinocereus pulchellus* subsp. *venustus* W.Blum & W.Rischer, Echinocereus Prepr.: 7. 1998 syn. sec. Sánchez & al. (2020)

Echinocereus weinbergii* subsp. *weinbergii. Sec. Sánchez & al. (2020)

- = *Echinocereus pulchellus* var. *costatus* Halda, Kupčák & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 34. 2000 syn. sec. Sánchez & al. (2020)

Echinocereus yavapaiensis* M.A.Baker in Pl. Syst. Evol. 258: 79. 2006**. Sec. Sánchez & al. (2018)Echinopsis* Zucc. in Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 2: 675. 1837**. Sec. Schlumpberger & Renner (2012)

Type: *Echinopsis eyriesii* (Turpin) Zucc.

- = *Echinonyctanthus* Lem., Cact. Gen. Sp. Nov.: 10. 1839 syn. sec. Britton & Rose (1922)
- = *Aureilobivia* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 33. 1935 syn. sec. Kew WCVP (2019)
- = *Lobiviopsis* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 34. 1935 syn. sec. Kew WCVP (2019)
- = *Hymenorebutia* Frič ex Buining in Succulenta (Netherlands) 21: 101. 1939 syn. sec. Tropicos
- = *Acantholobivia* Backeb. in Cactaceae (Berlin) 1941(2): 76. 1942. Type: *Acantholobivia tegeleriana* (Backeb.) Backeb.

- ≡ *Acanthanthus* Y.Itô, Cactaceae: 354. 1981, nom. illeg. syn. sec. Schlumpberger & Renner (2012)
 = *Pseudolobivia* (Backeb.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 76. 1942. Type: *Pseudolobivia ancistrophora* (Speg.) Backeb.
 = *Furiolobivia* Y.Itô, Explan. Diagr. Austroechinocactinae: 286. 1957 syn. sec. Kew WCVP (2019)
 = *Salpingolobivia* Y.Itô, Explan. Diagr. Austroechinocactinae: 290. 1957 syn. sec. Schlumpberger & Renner (2012)
 = ×*Echinobivia* G.D.Rowley in Natl. Cact. Succ. J. 21: 82. 1966 syn. sec. Kew WCVP (2019)
 = *Cosmantha* Y.Itô, Hana Shaboten Zufu: 148. 1967 syn. sec. Kew WCVP (2019)
 = ×*Salpingolobiviopsis* Y.Itô, Hana Shaboten Zufu: 48. 1967 syn. sec. Kew WCVP (2019)
 = ×*Soehrenantha* Y.Itô, Shaboten (Zushi) 92: 25. 1976 syn. sec. Kew WCVP (2019)
 = ×*Soehrenlobivia* Y.Itô, Cactaceae: 650. 1981 syn. sec. Kew WCVP (2019)
 = ×*Chamaecereopsis* P.V.Heath in Calyx 1: 103. 1992 syn. sec. Kew WCVP (2019)
 = ×*Soehrenopsis* Ficzer & Fabian, Debreceni Pozsgástár 18(2): 5. 2015 syn. sec. Kew WCVP (2019)
 – *Hymenorebutia* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 29. 1935, nom. inval. syn. sec. Kew WCVP (2019)
 – *Megalobivia* Y.Itô in Bull. Takarazuka Insectarium 71: 17. 1950, nom. inval. syn. sec. Kew WCVP (2019)
 – *Pilopsis* Y.Itô in Bull. Takarazuka Insectarium 71: 17. 1950, nom. inval. syn. sec. Kew WCVP (2019)
 – ×*Soehrenfuria* Y.Itô, Cactaceae: 649. 1981, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – Molecular phylogenetic studies indicate that previous taxonomic concepts for the *Echinopsis* alliance fail to reflect natural relationships (e.g. Schlumpberger & Renner 2012). For a natural classification the following segregate genera are accepted here: *Acanthocalycium*, *Chamaecereus*, *Echinopsis*, *Leucostele*, *Lobivia*, *Reicheocactus*, *Setiechinopsis*, *Soehrensia* and *Trichocereus*. The new generic concept for the *Echinopsis* alliance, with all the segregate genera accepted, was also already used in the 3rd edition of the CITES Cactaceae Checklist (Hunt 2016). [Schlumpberger (2021)]

***Echinopsis aurea* Britton & Rose, Cactaceae 3: 74. 1922. Sec. Schlumpberger & Renner (2012)**

- ≡ *Lobivia aurea* (Britton & Rose) Backeb. in Kakteen-Freund 3: 85, fig. 1934 syn. sec. Schlumpberger & Renner (2012) ≡ *Pseudolobivia aurea* (Britton & Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23: 49. 1951 syn. sec. Schlumpberger & Renner (2012) ≡ *Salpingolobivia aurea* (Britton & Rose) Y.Itô, Explan. Diagr. Austroechinocactinae: 136. 1957 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia aurea* (Britton & Rose) F.Ritter, Kakteen Südamerika 2: 467. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia shaferi* subsp. *aurea* (Britton & Rose) E.Herzog in Kakteen Sukk. 19: 6. 1985
 = *Lobivia cylindrica* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Salpingolobivia cylindrica* (Backeb.) Y.Itô, Explan. Diagr. Austroechinocactinae: 138. 1957 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia aurea* var. *cylindrica* (Backeb.) F.Ritter, Kakteen Südamerika 2: 467. 1980 syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* var. *cylindrica* (Backeb.) J.G.Lamb., Cactus Argentine, ed. 2: 55. 1998 syn. sec. Kew WCVP (2019)
 = *Salpingolobivia spinosissima* Y.Itô, Explan. Diagr. Austroechinocactinae: 291. 1957 syn. sec. Kew WCVP (2019)
 = *Salpingolobivia spinosissima* var. *rubriflora* Y.Itô, Expl. Diagr.: 291. 1957 syn. sec. Kew WCVP (2019)
 = *Echinopsis aurea* var. *quinesensis* Rausch in Kakteen And. Sukk. 11: 214. 1965 syn. sec. Tropicos ≡ *Echinopsis aurea* var. *quinesensis* Rausch in Kakteen And. Sukk. 21: 45. 1970 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia quinesensis* (Rausch) F.Ritter, Kakteen Südamerika 2: 469. 1980 syn. sec. Tropicos ≡ *Lobivia aurea* var. *quinesensis* (Rausch) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis quinesensis* (Rausch) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 syn. sec. Kew WCVP (2019) ≡ *Lobivia shaferi* var. *quinesensis* (Rausch) E.Herzog in Kakteen Sukk. 19: 11. 1985
 = *Hymenorebutia aurea* var. *catamarcensis* F.Ritter, Kakteen Südamerika 2: 468. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia aurea* var. *catamarcensis* (F.Ritter) Rausch, Lobivia 85: 16. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* var. *catamarcensis* (F.Ritter) Lambinon in Succulenta (Netherlands) 67: 182. 1988 syn. sec. Kew WCVP (2019) ≡ *Echinopsis aurea* var. *catamarcensis* (F.Ritter) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Kew WCVP (2019)
 = *Hymenorebutia aurea* var. *depressicostata* F.Ritter, Kakteen Südamerika 2: 468. 1980 syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* var. *depressicostata* (F.Ritter) Lambinon in Succulenta (Netherlands) 67: 182. 1988 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis aurea* var. *depressicostata* (F.Ritter) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Kew WCVP (2019)
 = *Hymenorebutia aurea* var. *lariojensis* F.Ritter, Kakteen Südamerika 2: 467. 1980 syn. sec. Kew WCVP (2019) ≡ *Echinopsis aurea* var. *lariojensis* (F.Ritter) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Schlumpberger & Renner (2012)
 = *Lobivia aurea* var. *sierragrandensis* Rausch, Lobivia 85: 137. 1987 ["1985"] syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis aurea* var. *sierragrandensis* (Rausch) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Kew WCVP (2019)
 = *Lobivia aurea* var. *tortuosa* Rausch, Lobivia 85: 137. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* var. *tortuosa* (Rausch) J.G.Lamb. in Succulenta (Netherlands) 67: 182. 1988 syn. sec. Kew WCVP (2019) ≡ *Echinopsis aurea* var. *tortuosa* (Rausch) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Kew WCVP (2019)
 = *Pseudolobivia luteiflora* Backeb., Kakteenlex.: 373. 1966, nom. illeg. syn. sec. Tropicos – *Lobivia shaferi* f. *luteiflora* (Backeb.) E.Herzog in Kakteen Sukk. 19: 7. 1985, nom. inval. syn. sec. Kew WCVP (2019)
 – *Lobivia aurea* var. *elegans* Backeb. in Kakteen-Freund 3: 86. 1934, nom. inval. syn. sec. Kew WCVP (2019)

***Echinopsis aurea* subsp. *albiflora* (Rausch) Lodé in Cact.-Avent. Int. 98(Suppl.): 3. 2013. Sec. Schlumpberger (2021)**

- ≡ *Lobivia aurea* var. *albiflora* Rausch in Succulenta (Netherlands) 58: 162. 1979 syn. sec. Schlumpberger (2021) ≡ *Lobivia shaferi* var. *albiflora* (Rausch) E.Herzog in Kakteen Sukk. 19: 9. 1985 syn. sec. Schlumpberger (2021) ≡ *Echinopsis fallax* var. *albiflora* (Rausch) Lambinon in Succulenta (Netherlands) 67: 182. 1988 syn. sec. Schlumpberger (2021) ≡ *Echinopsis aurea* var. *albiflora* (Rausch) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Schlumpberger (2021)

***Echinopsis aurea* subsp. *aurea*. Sec. Hunt (2016)**

***Echinopsis aurea* subsp. *dobeana* (Dölz) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 3. 2013. Sec. Schlumpberger (2021)**

≡ *Lobivia dobeana* Dölz in Beitr. Sukkulentenk. Sukkulentenpflege 1942(1): 4. 1942 syn. sec. Schlumpberger (2021) ≡ *Lobivia aurea* var. *dobeana* (Dölz) Rausch, *Lobivia*: 148. 1975 syn. sec. Schlumpberger (2021) ≡ *Echinopsis aurea* var. *dobeana* (Dölz) J.Ullmann in *Kaktusy* (Brno) 26: 7. 1990 syn. sec. Schlumpberger (2021) ≡ *Echinopsis dobeana* (Dölz) J.G.Lamb., *Cactus Argentine*, ed. 2: 51. 1998 syn. sec. Schlumpberger (2021)

***Echinopsis aurea* subsp. *fallax* (Oehme) M.Lowry in *Cactaceae Syst. Init.* 19: 11. 2005. Sec. Hunt (2016)**

≡ *Lobivia fallax* Oehme in *Kakteenkunde* 1939: 4. 1939 ≡ *Pseudolobivia aurea* var. *fallax* (Oehme) Backeb., *Cactaceae* 2: 1357. 1959 syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* (Oehme) H.Friedrich in *Kakteen And. Sukk.* 25: 82. 1974 syn. sec. Hunt (2016) ≡ *Lobivia shaferi* subsp. *fallax* (Oehme) E.Herzog in *Kakteen Sukk.* 19: 14. 1985 syn. sec. Kew WCVP (2019) ≡ *Echinopsis aurea* var. *fallax* (Oehme) J.Ullmann in *Kaktusy* (Brno) 26(1): 7. 1990 ≡ *Lobivia aurea* subsp. *fallax* (Oehme) Lodé in *Cact.-Avent. Int.* 100: 29. 2013 syn. sec. Kew WCVP (2019)
= *Lobivia cylindracea* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"] ≡ *Echinopsis cylindracea* (Backeb.) H.Friedrich in *Kakteen And. Sukk.* 25: 82. 1974 syn. sec. Hunt (2016) ≡ *Lobivia shaferi* f. *cylindracea* (Backeb.) E.Herzog in *Kakteen Sukk.* 19: 3. 1985

***Echinopsis aurea* subsp. *leucomalla* (Wessner) Schlumpb. in *Willdenowia* 51: 264. 2021. Sec. Schlumpberger (2021)**

≡ *Lobivia leucomalla* Wessner in Beitr. Sukkulentenk. Sukkulentenpflege 1938: 1. 1938 syn. sec. Schlumpberger (2021) ≡ *Hymenorebutia leucomalla* (Wessner) Buining in *Succulenta* (Netherlands) 21: 104. 1939 syn. sec. Schlumpberger (2021) ≡ *Lobivia famatimensis* var. *leucomalla* (Wessner) Backeb., *Cactaceae* 4: 1454. 1960 syn. sec. Schlumpberger (2021) ≡ *Echinopsis densispina* f. *leucomalla* (Wessner) Buining in *Sukkulentenkunde* 7-8: 95. 1963 syn. sec. Schlumpberger (2021) ≡ *Lobivia densispina* f. *leucomalla* (Wessner) Buining in *Sukkulentenkunde* 7-8: 95. 1963 syn. sec. Schlumpberger (2021) ≡ *Echinopsis leucomalla* (Wessner) H.Friedrich in *Kakteen And. Sukk.* 25: 82. 1974 syn. sec. Schlumpberger (2021) ≡ *Lobivia shaferi* subsp. *leucomalla* (Wessner) E.Herzog in *Kakteen Sukk.* 19: 10. 1985 syn. sec. Schlumpberger (2021)

***Echinopsis aurea* subsp. *shaferi* (Britton & Rose) M.Lowry in *Cactaceae Syst. Init.* 19: 11. 2005. Sec. Schlumpberger & Renner (2012)**

≡ *Lobivia shaferi* Britton & Rose, *Cactaceae* 3: 52, fig. 69. 1922 syn. sec. Schlumpberger & Renner (2012) ≡ *Salpingolobivia shaferi* (Britton & Rose) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 140. 1957 syn. sec. Kew WCVP (2019) ≡ *Echinopsis fallax* var. *shaferi* (Britton & Rose) Lambinon in *Succulenta* (Netherlands) 67: 182. 1988 syn. sec. Kew WCVP (2019) ≡ *Lobivia aurea* subsp. *shaferi* (Britton & Rose) Lodé in *Cact.-Avent. Int.* 100: 29. 2013 syn. sec. Korotkova (2021)

***Echinopsis breviflora* (Backeb.) M.Lowry in *Cactaceae Syst. Init.* 16: 7. 2003. Sec. Schlumpberger & Renner (2012)**

≡ *Lobivia breviflora* Backeb., *Kaktus-ABC*: 231, 413. 1936 ["1935"] ≡ *Lobivia sanguiflora* var. *breviflora* (Backeb.) Rausch, *Lobivia*: 104. 1975

***Echinopsis calochlora* K.Schum. in *Monatsschr. Kakteenk.* 13: 108. 1903. Sec. Schlumpberger (2021)**

≡ *Lobivia calochlora* (K.Schum.) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012 syn. sec. Schlumpberger (2021)
= *Echinopsis grandiflora* Linke in *Berliner Allg. Gartenzeitung* 1857: 239. 1857 syn. sec. Kew WCVP (2019)
= *Echinopsis calochlora* var. *claviformis* Rud.Mey. in *Monatsschr. Kakteenk.* 30: 74. 1920 syn. sec. Kew WCVP (2019)
= *Echinopsis calochlora* subsp. *glaetzleana* P.J.Braun & Esteves in *Kakteen And. Sukk.* 45: 161. 1994 syn. sec. Kew WCVP (2019)

***Echinopsis chrysantha* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 11: 264. 1931. Sec. Schlumpberger & Renner (2012)**

≡ *Lobivia chrysantha* (Werderm.) Backeb., *Kaktus-ABC*: 236. 1936 ["1935"] syn. sec. Schlumpberger (2021)
= *Lobivia staffenii* Frič in *Möller's Deutsche Gärt.-Zeitung* 45: 44. 1930 syn. sec. Kew WCVP (2019) ≡ *Andenea staffenii* (Frič) Frič in *Gartenzeitung* (Vienna) 11: 44. 1935 syn. sec. Kew WCVP (2019)
= *Lobivia klusacekii* Frič in *Kaktusf* 2: 82. 1931 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* subvar. *klusacekii* (Frič) Rausch, *Lobivia*: 112. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *klusacekii* (Frič) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kew WCVP (2019)
= *Lobivia polaskiana* Backeb. in *Spine* 1: 107. 1948 syn. sec. Kew WCVP (2019) ≡ *Lobivia polaskiana* Backeb. in *J. Cact. Succ. Soc. Austral.* 1: 107. 1949 syn. sec. Kew WCVP (2019)
= *Lobivia chrysantha* var. *hypocyrtia* Rausch in *Kakteen And. Sukk.* 23: 292. 1972 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* subvar. *hypocyrtia* (Rausch) Rausch, *Lobivia*: 112. 1975 syn. sec. Kew WCVP (2019)

***Echinopsis densispina* Werderm. in *Kakteenkunde* 1934: 142. 1934. Sec. Schlumpberger & Renner (2012)**

≡ *Lobivia densispina* Werderm. ex Backeb. & F.M.Knuth, *Kaktus-ABC*: 238. 1936 ["1935"] ≡ *Hymenorebutia densispina* (Werderm.) Buining in *Succulenta* (Netherlands) 21: 104. 1939 syn. sec. Kew WCVP (2019) ≡ *Salpingolobivia densispina* (Werderm.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 139. 1957 syn. sec. Kew WCVP (2019) ≡ *Lobivia famatimensis* var. *densispina* (Werderm.) Backeb., *Cactaceae* 4: 1453. 1960 ≡ *Lobivia haematantha* subsp. *densispina* (Backeb. & F.M.Knuth) Rausch, *Lobivia*: 179. 1975 ≡ *Lobivia haematantha* var. *densispina* (Backeb. & F.M.Knuth) Rausch, *Lobivia*: 125. 1975 ≡ *Lobivia haematantha* subsp. *densispina* (Backeb. & F.M.Knuth) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 81. 1982
= *Echinopsis scoparia* Werderm. in *Kakteenkunde* 1934: 144. 1934 syn. sec. POWO. *Plants of the World Online*. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Lobivia scoparia* (Werderm.) Werderm. ex Backeb. & F.M.Knuth, *Kaktus-ABC*: 238. 1936 ["1935"] syn. sec. POWO. *Plants of the World Online*. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Hymenorebutia scoparia* (Werderm.) Buining in *Succulenta* (Netherlands) 21: 104. 1939 syn. sec. POWO. *Plants of the World Online*. Facilitated by the Royal Botanic Gardens, Kew.

- = *Lobivia rebutioides* var. *citriniflora* Backeb. in Blätt. Kakteenf. 1934(12): 6. 1934 ≡ *Echinopsis densispina* f. *citriniflora* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. TPL (2013) ≡ *Lobivia densispina* f. *citriniflora* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia sublimiflora* Backeb. in Blätt. Kakteenf. 1935(9): 5. 1935 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia sublimiflora* (Backeb.) Buining in Succulenta (Netherlands) 21: 103. 1939 syn. sec. Kew WCVP (2019) ≡ *Lobivia rebutioides* var. *sublimiflora* (Backeb. ex Wessner) Backeb., Cactaceae 4: 1456. 1960 ≡ *Echinopsis densispina* f. *sublimiflora* (Backeb. ex Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *sublimiflora* (Backeb. ex Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 ≡ *Lobivia haematantha* subvar. *sublimiflora* (Backeb.) Rausch, *Lobivia*: 125. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *sublimiflora* (Backeb.) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* f. *sublimiflora* (Backeb.) J.Ullmann in Kaktusy (Brno) 26: 19. 1990 syn. sec. Kew WCVP (2019)
- = *Lobivia famatimensis* var. *haematantha* Backeb., Kaktus-ABC: 238. 1936 ["1935"] ≡ *Lobivia pectinifera* var. *haematantha* (Backeb.) Wessner in Kakteenkunde 1940: 15. 1940 ≡ *Echinopsis densispina* f. *haematantha* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. TPL (2013) ≡ *Lobivia densispina* f. *haematantha* (Backeb. ex Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963
- = *Hymenorebutia kreuzingeri* Frič ex Buining in Succulenta (Netherlands) 21: 104. 1939 syn. sec. Kew WCVP (2019) ≡ *Lobivia kreuzingeri* (Frič ex Buining) Krainz in Mitt. Schweiz. Kakteen-Ges. 1946: 34. 1946 syn. sec. Korotkova (2021) ≡ *Echinopsis densispina* var. *kreuzingeri* (Frič ex Buining) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* var. *kreuzingeri* (Frič ex Buining) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia chlorogona* Wessner in Kakteenkunde 1940: 16. 1940 syn. sec. Kew WCVP (2019) ≡ *Lobivia rebutioides* var. *chlorogona* (Wessner) Backeb., Cactaceae 4: 1456. 1960 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis densispina* f. *chlorogona* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *chlorogona* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 ≡ *Hymenorebutia chlorogona* (Wessner) F.Ritter, Kakteen Südamerika 2: 472. 1980 syn. sec. Kew WCVP (2019)
- = *Lobivia chlorogona* var. *cupreoviridis* Wessner in Cactaceae (Berlin) 1940: 17. 1940 ≡ *Echinopsis densispina* f. *cupreoviridis* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *cupreoviridis* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia chlorogona* var. *purpureostoma* Wessner in Cactaceae (Berlin) 1940: 17. 1940 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis densispina* f. *purpureostoma* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019
- = *Lobivia chlorogona* var. *rubroviridis* Wessner in Cactaceae (Berlin) 1940: 16. 1940 ≡ *Echinopsis densispina* f. *rubroviridis* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *rubroviridis* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia densispina* var. *blossfeldii* Wessner in Kakteenkunde 1940: 18. 1940 ≡ *Echinopsis densispina* f. *blossfeldii* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *blossfeldii* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia densispina* var. *sanguinea* Wessner in Kakteenkunde 1940: 18. 1940 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *sanguinea* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *sanguinea* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia pectinifera* Wessner in Kakteenkunde 1940: 13. 1940 syn. sec. Tropicos ≡ *Echinopsis densispina* f. *pectinifera* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *pectinifera* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 ≡ *Lobivia haematantha* subvar. *pectinifera* (Wessner) Rausch, *Lobivia*: 125. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *pectinifera* (Wessner) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* f. *pectinifera* (Wessner) J.Ullmann in Kaktusy (Brno) 28: 7. 1992 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* var. *pectinifera* (Wessner) J.G.Lamb., Cactus Argentine, ed. 2: 51. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia pectinifera* var. *albiflora* Wessner in Cactaceae (Berlin) 1940: 14. 1940 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis densispina* f. *albiflora* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *albiflora* (Wessner) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia pectinifera* var. *rosiflora* Backeb. ex Wessner in Kakteenkunde 1940: 30. 1940 syn. sec. Kew WCVP (2019)
- = *Lobivia wessneriana* Fritzen in Kakteenkunde 1940: 34. 1940 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *wessneriana* (Fritzen) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *wessneriana* (Fritzen) Buining in Sukkulantenkunde 7-8: 95. 1963 ≡ *Lobivia haematantha* f. *wessneriana* (Fritzen) J.Ullmann in Kaktusy (Brno) 28: 7. 1992 syn. sec. Kew WCVP (2019)
- = *Hymenorebutia albolanata* Buining in Succulenta (Netherlands) 23: 5. 1941 syn. sec. Kew WCVP (2019) ≡ *Lobivia albolanata* (Buining) Krainz in Mitt. Schweiz. Kakteen-Ges. 1946: 33. 1946 ≡ *Echinopsis densispina* f. *albolanata* (Buining) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *albolanata* (Buining) Buining in Sukkulantenkunde 7-8: 96. 1963
- = *Lobivia rebutioides* var. *kraussiana* Backeb. in Deutsche Gärtnerb. 1949: 7. 1949 ≡ *Echinopsis densispina* f. *kraussiana* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. TPL (2013) ≡ *Lobivia densispina* f. *kraussiana* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963
- = *Lobivia famatimensis* var. *setosa* Backeb., Descr. Cact. Nov. 1: 29. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *setosa* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *setosa* (Backeb.) Buining in Sukkulantenkunde 7-8: 95. 1963

- = *Echinopsis densispina* var. *rebutioides* (Backeb.) Buining in Sukkulentenkunde 7-8: 95. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia rebutioides* Backeb. in Blätt. Kakteenf. 1934(12): 6, genus 57, sp. 16. 1934 ≡ *Hymenorebutia rebutioides* (Backeb.) Buining in Succulenta (Netherlands) 21: 103. 1939 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* var. *rebutioides* (Backeb.) Buining in Sukkulentenkunde 7-8: 95. 1963 ≡ *Echinopsis rebutioides* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 ≡ *Lobivia haematantha* subvar. *rebutioides* (Backeb.) Rausch, Lobivia: 125. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *rebutioides* (Backeb.) Rausch, Lobivia 85: 61. 1987 ["1985"]
- Echinopsis haematantha* (Speg.) D.R.Hunt in Bradleya 9: 88. 1991. Sec. Schlumpberger & Renner (2012)**
- ≡ *Echinocactus haematanthus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 498. 1905 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia haematantha* (Speg.) Britton & Rose, Cactaceae 3: 57, f. 73. 1922 syn. sec. Schlumpberger & Renner (2012)
- = *Echinopsis albispina* Roth in Monatsschr. Kakteenk. 13: 144. 1903 syn. sec. Kew WCVP (2019)
- = *Echinopsis cachensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 493. 1905 syn. sec. Kew WCVP (2019) ≡ *Echinocactus cachensis* (Speg.) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 493. 1905 syn. sec. Kew WCVP (2019) ≡ *Lobivia cachensis* (Speg.) Britton & Rose, Cactaceae 3: 52, f. 68. 1922 syn. sec. Britton & Rose (1922) ≡ *Lobivia haematantha* var. *cachensis* (Speg.) J.Ullmann in Kaktusy 28(1): 6. 1992 syn. sec. Kew WCVP (2019)
- = *Lobivia kuehnrichii* Frič in Deutsche Gärt.-Zeitung 45: 44. 1930 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia haematantha* var. *kuehnrichii* (Frič) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia kuehnrichii* (Frič) F.Ritter, Kakteen Südamerika 2: 473. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* subsp. *kuehnrichii* (Frič) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis kuehnrichii* (Frič) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis haematantha* var. *kuehnrichii* (Frič) J.G.Lamb., Cactus Argentine, ed. 2: 59. 1998 syn. sec. Schlumpberger & Renner (2012)
- = *Lobivia drijveriana* Backeb. in Kakteen-Freund 2: 91, 103. 1933 syn. sec. Kew WCVP (2019) ≡ *Hymenorebutia drijverana* (Backeb.) F.Ritter, Kakteen Südamerika 2: 473. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *drijveriana* (Backeb.) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019)
- = *Lobivia drijveriana* var. *astrantheme* Backeb. in Blätt. Kakteenf. 1934(6): 7. 1934 syn. sec. Kew WCVP (2019)
- = *Lobivia elongata* Backeb., Descr. Cact. Nov. 1: 29. 1957 ["1956"] syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis elongata* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia haematantha* var. *elongata* (Backeb.) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *elongata* (Backeb.) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis haematantha* var. *elongata* (Backeb.) J.G.Lamb., Cactus Argentine, ed. 2: 57. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia mirabunda* Backeb., Descr. Cact. Nov. 1: 29. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Lobivia hualfinensis* Rausch in Kakteen And. Sukk. 19: 67. 1968 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia haematantha* subvar. *hualfinensis* (Rausch) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *hualfinensis* (Rausch) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis hualfinensis* (Rausch) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis haematantha* var. *hualfinensis* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 57. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia amblayensis* Rausch in Kakteen And. Sukk. 23: 67. 1972 syn. sec. Hunt (2016) ≡ *Echinopsis amblayensis* (Rausch) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia haematantha* subvar. *amblayensis* (Rausch) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *amblayensis* (Rausch) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* var. *amblayensis* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 50. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia amblayensis* var. *albispina* Rausch in Kakteen And. Sukk. 23: 68. 1972 syn. sec. Kew WCVP (2019) ≡ *Echinopsis amblayensis* var. *albispina* (Rausch) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Kew WCVP (2019)
- = *Lobivia hualfinensis* var. *fechseri* Rausch in Succulenta (Netherlands) 51: 123. 1972 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* subvar. *fechseri* (Rausch) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *fechseri* (Rausch) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 syn. sec. Kew WCVP (2019)
- = *Lobivia chorrillosensis* Rausch in Kakteen And. Sukk. 25: 145. 1974 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* subsp. *chorrillosensis* (Rausch) Rausch, Lobivia: 179. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* subvar. *chorrillosensis* (Rausch) Rausch, Lobivia: 124. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* subsp. *chorrillosensis* (Rausch) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kew WCVP (2019) ≡ *Lobivia haematantha* var. *chorrillosensis* (Rausch) Rausch, Lobivia 85: 61. 1987 ["1985"] syn. sec. Korotkova (2021) ≡ *Echinopsis haematantha* var. *chorrillosensis* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 57. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia haematantha* var. *jasimanensis* Rausch, Lobivia 85: 140. 1987 ["1985"] syn. sec. Korotkova (2021) ≡ *Echinopsis haematantha* var. *jasimanensis* (Rausch) J.G.Lamb., Cactus Argentine, ed. 2: 57. 1998 syn. sec. Kew WCVP (2019)
- = *Lobivia haematantha* var. *viridis* Rausch, Lobivia 85: 140. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Lobivia kuehnrichii* var. *antennifera* Rausch in Echinopseen 7(2): 49. 2010 syn. sec. Kew WCVP (2019)
- Echinopsis hammerschmidii* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 72. 1956. Sec. Kiesling & al. (2014)**
- Echinopsis huottii* (F.Cels) Labour., Monogr. Cact.: 301. 1853. Sec. Kiesling & al. (2014)**
- ≡ *Echinocactus huottii* F.Cels in Portef. Hort. 1847: 216. 1847 ≡ *Echinopsis huottii* subsp. *huottii* – *Cereus huottii* J.F.Cels, Cat. Cactees: 8. 1858, nom. nud. syn. sec. WFO 2019
- = *Echinopsis apiculata* Linke in Wochenschr. Gärtnerei Pflanzenk. 1: 85. 1858 syn. sec. Britton & Rose (1922)
- = *Echinopsis arebaloi* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 73. 1956 syn. sec. Kiesling & al. (2014)
- = *Echinopsis cochabambensis* Backeb., Descr. Cact. Nov. 1: 28. 1957 ["1956"] syn. sec. Kiesling & al. (2014)
- = *Echinopsis comarapana* Cárdenas in Natl. Cact. Succ. J. 12: 61. 1957 syn. sec. Kiesling & al. (2014)
- = *Echinopsis perezii* Cárdenas in Cactus (Paris) 78: 90. 1963 syn. sec. Kiesling & al. (2014)

- = *Echinopsis sucrensensis* Cárdenas in Cact. Succ. J. (Los Angeles) 35: 200. 1963 syn. sec. Kiesling & al. (2014)
- Echinopsis ibicuatenensis* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 74. 1956.** Sec. Kiesling & al. (2014)
- Echinopsis jajoiana* (Backeb.) Blossf., Kakteensamen: 16. 1938.** Sec. Korotkova (2021)
- ≡ *Lobivia jajoiana* Backeb. in Kaktusář 7(4): 70. 1933 ≡ *Lobivia jajoiana* Backeb. in Blätt. Kakteenf. 1934(6): 8. 1934 ≡ *Echinopsis jajoiana* Hort. ex Blossf., Kakteensamen: 16. 1938 ≡ *Lobivia chrysantha* var. *jajoiana* (Backeb.) Rausch, Lobivia: 112. 1975 ≡ *Lobivia chrysantha* subsp. *jajoiana* (Backeb.) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982
- = *Lobivia jajoiana* var. *fleischeriana* Backeb. in Blätt. Kakteenf. 1934(6): 8. 1934 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* subvar. *fleischeriana* (Backeb.) Rausch, Lobivia: 112. 1975
- = *Lobivia sanguiniflora* Backeb., Kaktus-ABC: 235, 414. 1936 ["1935"] syn. sec. Tropicos ≡ *Echinopsis sanguiniflora* (Backeb.) D.R.Hunt in Bradleya 9: 88. 1991 syn. sec. Kew WCVP (2019)
- = *Lobivia glauca* var. *paucicostata* Rausch in Succulenta (Netherlands) 1971: 169. 1971 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *paucicostata* (Rausch) Rausch, Lobivia: 179. 1975 ≡ *Lobivia chrysantha* subvar. *paucicostata* (Rausch) Rausch, Lobivia: 112. 1975 syn. sec. Korotkova (2021) ≡ *Lobivia jajoiana* var. *paucicostata* (Rausch) Rausch, Lobivia 85: 73. 1987 ["1985"]
- = *Lobivia jajoiana* var. *casपालasensis* Rausch in Kakteen And. Sukk. 28: 75. 1977 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *casपालasensis* (Rausch) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 ≡ *Lobivia jajoiana* subsp. *casपालasensis* (Rausch) V.Gapon & Schelkun. in Kaktus-Klub 2018(1): 13. 2018 syn. sec. Kew WCVP (2019)
- = *Lobivia miniatinigra* F.Ritter, Kakteen Südamerika 2: 462-463. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia jajoiana* f. *miniatinigra* (F.Ritter) J.Ullmann in Kaktusy 28(1): 10. 1992 syn. sec. WFO 2019
- = *Lobivia jajoiana* var. *aurata* Rausch, Lobivia 85: 141. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Lobivia jajoiana* var. *elegans* Rausch, Lobivia 85: 141. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Lobivia jajoiana* var. *nidularis* Rausch, Lobivia 85: 141. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Lobivia jajoiana* subsp. *nidularis* (Rausch) V.Gapon & Schelkun. in Kaktus-Klub 2018(1): 14. 2018 syn. sec. Kew WCVP (2019)
- = *Lobivia jajoiana* var. *pungens* Rausch, Lobivia 85: 141. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Lobivia jajoiana* subsp. *pungens* (Rausch) V.Gapon & Schelkun. in Kaktus-Klub 2018(1): 14. 2018 syn. sec. Kew WCVP (2019)
- *Lobivia jajoiana* var. *striatipetala* Y.Itô, Cactaceae: 303. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Echinopsis marsoneri* Werderm. in Repert. Spec. Nov. Regni Veg. 30: 55. 1932.** Sec. Schlumpberger & Renner (2012)
- ≡ *Lobivia marsoneri* (Werderm.) Backeb., Kaktus-ABC: 237, 426. 1936 ["1935"] ≡ *Lobivia chrysantha* subsp. *marsoneri* (Werderm.) Rausch, Lobivia: 179. 1975 ≡ *Lobivia chrysantha* var. *marsoneri* (Werderm.) Rausch, Lobivia: 112. 1975 ≡ *Lobivia chrysantha* subsp. *marsoneri* (Werderm.) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982
- = *Echinopsis rubescens* Backeb. in Kakteen-Freund 1: 122. 1932 syn. sec. Tropicos ≡ *Lobivia rubescens* Backeb., Kaktus-ABC: 237. 1936 ["1935"] syn. sec. Tropicos ≡ *Lobivia chrysantha* subvar. *rubescens* (Backeb.) Rausch, Lobivia: 112. 1975 ≡ *Lobivia chrysantha* var. *rubescens* (Backeb.) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia marsoneri* var. *rubescens* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 11. 1992
- = *Lobivia haageana* Backeb. in Kakteen-Freund 2(1): 90. 1933 syn. sec. Schlumpberger (2021) ≡ *Lobivia marsoneri* var. *haageana* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 11. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia iridescens* Backeb., Kaktus-ABC: 233, 414. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Lobivia marsoneri* var. *iridescens* (Backeb.) Rausch, Lobivia 85: 84. 1975 ["1985"] syn. sec. Schlumpberger & Renner (2012)
- = *Lobivia vatteri* Krainz in Sukkulenteenkunde 1: 7. 1947 syn. sec. Korotkova (2021) ≡ *Lobivia chrysantha* subvar. *vatteri* (Krainz) Rausch, Lobivia: 112. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *vatteri* (Krainz) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Lobivia jajoiana* var. *vatteri* (Krainz) J.Ullmann in Kaktusy (Brno) 26: 19. 1990 syn. sec. Kew WCVP (2019)
- = *Lobivia nigrostoma* Kreuz. & Buining in Succulenta (Netherlands) 1950: 2. 1950 syn. sec. Schlumpberger & Renner (2012) ≡ *Lobivia jajoiana* var. *nigrostoma* (Kreuz. & Buining) Backeb., Cactaceae 4: 1464. 1960 syn. sec. Schlumpberger & Renner (2012)
- = *Lobivia uitewaaleana* Buining in Natl. Cact. Succ. J. 4: 15. 1951 syn. sec. Kew WCVP (2019) ≡ *Lobivia marsoneri* var. *uitewaaleana* (Buining) J.Ullmann in Kaktusy (Brno) 28: 11. 1992
- = *Lobivia muhriae* Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *muhriae* (Backeb.) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 ≡ *Lobivia marsoneri* var. *muhriae* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 11. 1992 syn. sec. Schlumpberger & Renner (2012)
- = *Lobivia glauca* Rausch in Succulenta (Netherlands) 1971: 168. 1971 syn. sec. Kew WCVP (2019) ≡ *Lobivia chrysantha* var. *glauca* (Rausch) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 ≡ *Lobivia jajoiana* var. *glauca* (Rausch) J.Ullmann in Kaktusy 28(1): 10. 1992 syn. sec. Kew WCVP (2019)
- = *Lobivia buiningiana* F.Ritter, Kakteen Südamerika 2: 461. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia jajoiana* f. *buiningiana* (F.Ritter) J.Ullmann in Kaktusy 28(1): 10. 1992 syn. sec. Korotkova (2021)
- Echinopsis mieckleyi* R.Mey. in Monatsschr. Kakteenk. 28: 122. 1918.** Sec. Kiesling & al. (2014)
- Echinopsis oxygona* (Link) Zucc. ex Pfeiff., Abbild. Beschr. Cact. 2(1): t. 4. 1845.** Sec. Tropicos
- ≡ *Echinocactus oxygonus* Link in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 6: 419. 1830 syn. sec. Schlumpberger & Renner (2012) ≡ *Cereus oxygonus* (Link) Otto in Allg. Gartenzeitung 1: 365. 1833 syn. sec. Kew WCVP (2019) ≡ *Echinonyctanthus oxygonus* (Otto) Lem., Cact. Gen. Sp. Nov.: 85. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus sulcatus* Pfeiff. in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 427. 1827 syn. sec. Kew WCVP (2019)

- = *Echinocactus eyriesii* Turpin in Ann. Inst. Roy. Hort. Fromont 2: 158. 1830 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis eyriesii* (Turpin) Pfeiff. & Otto, Abbild. Beschr. Cact. 1: t. 4. 1838, nom. illeg. syn. sec. Tropicos ≡ *Echinopsis eyriesii* (Turpin) Zucc., Abbild. Beschr. Cact. 1: t. 4. 1839 syn. sec. Berendsohn (2020)
- = *Echinocactus gemmatus* Otto in Allg. Gartenzeitung 1: 365. 1833 syn. sec. Kew WCVP (2019) ≡ *Cereus geminatus* Otto ex Pfeiff. in Allg. Gartenzeitung 3: 314. 1835 syn. sec. Tropicos
- = *Cereus schelhasii* Pfeiff. in Allg. Gartenzeitung 3: 314. 1835 syn. sec. Kew WCVP (2019)
- = *Cereus turbinatus* Pfeiff. in Allg. Gartenzeitung 3: 314. 1835 syn. sec. Kew WCVP (2019)
- = *Echinocactus boutillieri* Parm. ex Pfeiff. in Allg. Gartenzeitung 3: 814. 1835 syn. sec. Kew WCVP (2019)
- = *Echinocactus turbinatus* Pfeiff. in Allg. Gartenzeitung 3: 314. 1835 syn. sec. Kew WCVP (2019) ≡ *Echinopsis turbinata* Pfeiff. & Otto, Abbild. Beschr. Cact. 1: t. 4. 1838 syn. sec. Schlumpberger & Renner (2012)
- = *Cereus eyriesii* Pfeiff., Enum. Diagn. Cact.: 72. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus jasmineus* Pfeiff., Enum. Diagn. Cact.: 72. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus multiplex* Pfeiff., Enum. Diagn. Cact.: 70. 1837 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis multiplex* Pfeiff. & Otto, Abbild. Beschr. Cact. 1: t. 4. 1838 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis multiplex* (Pfeiff.) Zucc., Abbild. Beschr. Cact. 1: t. 4. 1839 syn. sec. Schlumpberger & Renner (2012) ≡ *Rebutia multiplex* (Pfeiff.) Roeder in Kakteenkunde & Kakteenfr. 1938: 124. 1938 syn. sec. Tropicos ≡ *Echinopsis oxygona* f. *multiplex* (Pfeiff.) J.Ullmann in Kaktusy (Brno) 50(Special 1): 25. 2014 syn. sec. Kew WCVP (2019) – *Echinocactus multiplex* Hort. ex Pfeiff., Enum. Diagn. Cact.: 70. 1837, nom. inval. syn. sec. Tropicos
- = *Cereus multiplex* var. *monstrosus* Pfeiff., Enum. Diagn. Cact.: 71. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinopsis multiplex* var. *monstrosa* (Pfeiff.) Gürke in Monatsschr. Kakteenk. 16: 88. 1906 syn. sec. Kew WCVP (2019)
- = *Echinocactus eyriesii* var. *glaucus* Lindl. in Edwardss Bot. Reg. 24: t. 31. 1838 syn. sec. Kew WCVP (2019)
- = *Echinopsis schelhasii* Pfeiff. & Otto, Abbild. Beschr. Cact. 1: t. 4. 1838 syn. sec. Kew WCVP (2019) ≡ *Echinopsis eyriesii* var. *schelhasii* (Pfeiff. & Otto) P.Fourn., Cactées Pl. Grasses: 28. 1935 syn. sec. Kew WCVP (2019)
- = *Echinopsis zuccarinii* Pfeiff. & Otto, Abbild. Beschr. Cact. 1: t. 4. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus octogonus* G.Don, Hort. Brit., ed. 3: 283. 1839 syn. sec. Kew WCVP (2019)
- = *Echinonyctanthus decaisneanus* Lem., Cact. Gen. Sp. Nov.: 55. 1839 syn. sec. Kew WCVP (2019) ≡ *Echinocactus decaisneanus* (Lem.) Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Tropicos ≡ *Echinocactus decaisnei* (Lem.) Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Korotkova (2021) ≡ *Echinopsis decaisniana* (Lem.) Walp., Repert. Bot. Syst. 2: 324. 1843 syn. sec. Kew WCVP (2019) ≡ *Cereus decaisneanus* (Lem.) Mottet, Dict. Prat. Hort. 1: 582. 1892–1893 syn. sec. Tropicos ≡ *Echinopsis gemmata* var. *decaisneana* (Lem.) Schelle, Handb. Kakteenkult.: 113. 1907 syn. sec. Kew WCVP (2019)
- = *Echinonyctanthus eyriesii* Lem., Cact. Gen. Sp. Nov.: 84. 1839 syn. sec. Kew WCVP (2019)
- = *Echinonyctanthus multiplex* Lem., Cact. Gen. Sp. Nov.: 85. 1839 syn. sec. Kew WCVP (2019)
- = *Echinonyctanthus nigrispinus* Lem., Cact. Gen. Sp. Nov.: 85. 1839 syn. sec. WFO 2019 ≡ *Echinopsis nigrispina* (Lem.) Walp., Repert. Bot. Syst. 2: 324. 1843 syn. sec. Britton & Rose (1922)
- = *Echinonyctanthus turbinatus* Lem., Cact. Gen. Sp. Nov.: 84. 1839 syn. sec. Kew WCVP (2019)
- = *Echinopsis eyriesii* var. *glauca* C.F.Först., Handb. Cacteenk.: 360. 1846 syn. sec. Britton & Rose (1922)
- = *Echinopsis eyriesii* var. *glaucescens* C.F.Först., Handb. Cacteenk.: 360. 1846 syn. sec. Britton & Rose (1922)
- = *Echinopsis melanacantha* A.Dietr. in Allg. Gartenzeitung 14: 306. 1846 syn. sec. Kew WCVP (2019)
- = *Echinopsis oxygona* var. *turbinata* Mittler ex Labour., Monogr. Cact.: 306. 1853 syn. sec. WFO 2019
- = *Echinopsis* × *tettavii* Kratz in Neuberts Deutsch. Gart.-Mag. 8: 111. 1855 syn. sec. Schlumpberger (2021)
- = *Echinopsis zuccarinii* var. *rolandii* É.Morren in Ann. Hort. Belge Étrangère 16: 130. 1866 syn. sec. Kew WCVP (2019)
- = *Echinopsis eyriesii* var. *tettavii* Jacobi in Rümpler, Handb. Cacteenk., ed. 2: 626, 630. 1885 syn. sec. Britton & Rose (1922)
- = *Echinopsis eyriesii* var. *triumphans* Jacobi in Rümpler, Handb. Cacteenk., ed. 2: 626, 630. 1885 syn. sec. Britton & Rose (1922)
- = *Echinopsis pudantii* Pfersdorf ex Roth in Monatsschr. Kakteenk. 10: 167. 1900 syn. sec. Kew WCVP (2019)
- = *Echinopsis eyriesii* var. *cristata* Donn.Sm. in Monatsschr. Kakteenk. 12: 27. 1902 syn. sec. Britton & Rose (1922)
- = *Echinopsis paraguayensis* Mundt in Monatsschr. Kakteenk. 13: 109. 1903 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis paraguayensis* Mundt ex F.Ritter, Kakteen Südamerika 1: 264. 1979 syn. sec. Schlumpberger & Renner (2012)
- = *Echinopsis eyriesii* var. *duvallii* Schelle, Handb. Kakteenkult.: 111, 112. 1907 syn. sec. Britton & Rose (1922)
- = *Echinopsis eyriesii* var. *major* Schelle, Handb. Kakteenkult.: 111, 112. 1907 syn. sec. Britton & Rose (1922)
- = *Echinopsis eyriesii* var. *phyligera* Schelle, Handb. Kakteenkult.: 111, 112. 1907 syn. sec. Britton & Rose (1922)
- = *Echinopsis eyriesii* var. *rosea* Link ex Schelle, Handb. Kakteenkult.: 111, 112. 1907 syn. sec. Britton & Rose (1922)
- = *Echinopsis gemmata* var. *schelhasii* Schelle, Handb. Kakteenkult.: 113. 1907 syn. sec. Kew WCVP (2019)
- = *Echinopsis eyriesii* var. *grandiflora* Rud.Mey. in Monatsschr. Kakteenk. 21: 186. 1911 syn. sec. Kew WCVP (2019) ≡ *Echinopsis oxygona* f. *grandiflora* (Rud.Mey.) J.Ullmann in Kaktusy (Brno) 35: 110. 1999 syn. sec. Tropicos
- = *Echinopsis tubiflora* var. *paraguayensis* Rud.Mey. in Monatsschr. Kakteenk. 23: 153. 1913 syn. sec. Kew WCVP (2019)
- = *Echinopsis derenbergii* Frič in Möller's Deutsche Gärt.-Zeitung 42: 436. 1927 syn. sec. Kew WCVP (2019)
- = *Echinopsis schwantesii* Frič in Möller's Deutsche Gärt.-Zeitung 42: 436. 1927 syn. sec. Kew WCVP (2019)
- = *Echinopsis eyriesii* var. *pudantii* P.Fourn., Cactées Pl. Grasses: 28. 1935 syn. sec. Kew WCVP (2019)
- = *Echinopsis derenbergii* var. *blossfeldii* Backeb., Descr. Cact. Nov. 1: 27. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Echinopsis werdermannii* Frič ex Fleisch. in Friciana 7: 9. 1962 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis oxygona* f. *werdermannii* (Frič ex Fleisch.) J.Ullmann in Kaktusy (Brno) 50(Special 1): 25. 2014 syn. sec. Kew WCVP (2019)
- = *Echinopsis brasiliensis* Frič ex Pazout in Friciana 17: 3. 1963 syn. sec. Schlumpberger & Renner (2012) ≡ *Echinopsis oxygona* f. *brasiliensis* (Frič ex Pazout) J.Ullmann in Kaktusy (Brno) 50(Special 1): 25. 2014 syn. sec. Kew WCVP (2019)
- = *Echinopsis oxygona* f. *brevispina* F.Ritter, Kakteen Südamerika 1: 239. 1979 syn. sec. WFO 2019

- = *Echinopsis adolfriedrichii* G.Moser in Natl. Cact. Succ. J. 37: 39. 1982 syn. sec. Hunt (2016)
 – *Echinocactus multiplex* Otto in Allg. Gartenzeitung 3: 10. 1835, nom. inval. syn. sec. Kew WCVP (2019)
***Echinopsis silvestrii* Speng. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 486. 1905.** Sec. Anderson (2005)
***Echinopsis tubiflora* (Pfeiff.) Zucc. ex A.Dietr. in Allg. Gartenzeitung 14: 306. 1846.** Sec. Anderson (2005)
 ≡ *Cereus tubiflorus* Pfeiff., Enum. Diagn. Cact.: 71. 1837 syn. sec. Anderson (2005) ≡ *Echinocactus tubiflorus* (Pfeiff.) Hook. in Bot. Mag. 65: t. 3627. 1838 syn. sec. Anderson (2005) ≡ *Echinonyctanthus tubiflorus* (Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 85. 1839 syn. sec. Anderson (2005)
 = *Echinopsis albispinosa* K.Schum. in Monatsschr. Kakteenk. 13: 154. 1903 syn. sec. Schlumpberger (2021)
 = *Echinopsis albispinosa* var. *fuaxiana* Backeb., Descr. Cact. Nov. 1: 28. 1957 ["1956"] syn. sec. Schlumpberger (2021)
***Echinopsis tubiflora* subsp. *callochrysea* (F.Ritter) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
 ≡ *Hymenorebutia aurea* var. *callochrysea* F.Ritter, Kakteen Südamerika 2: 468. 1980 syn. sec. Schlumpberger (2021) ≡ *Lobivia aurea* var. *callochrysea* (F.Ritter) Rausch, Lobivia 85: 16. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis fallax* var. *callochrysea* (F.Ritter) Lambinon in Succulenta (Netherlands) 67: 182. 1988 syn. sec. Schlumpberger (2021) ≡ *Echinopsis aurea* var. *callochrysea* (F.Ritter) J.Ullmann in Kaktusy (Brno) 26: 7. 1990 syn. sec. Schlumpberger (2021) ≡ *Echinopsis callochrysea* (F.Ritter) Lodé in Cact.-Avent. Int. 98(Suppl.): 4. 2013 syn. sec. Schlumpberger (2021) ≡ *Lobivia callochrysea* (F.Ritter) Lodé in Cact.-Avent. Int. 100: 30. 2013 syn. sec. Schlumpberger (2021)

Notes. – This taxon was long seen as part of the *Echinopsis aurea* Britton & Rose complex, although it grows further north and isolated from the distribution area of *E. aurea*. It resembles *E. tubiflora* (Pfeiff.) Zucc. ex A.Dietr. with which it grows at least partly in sympatry, but differs from it in having yellow, diurnal and nectarless flowers. Molecular data suggest a close relationship to *E. tubiflora* (Schlumpberger & Renner 2012). [Schlumpberger (2021)]

***Echinopsis tubiflora* subsp. *tubiflora*.** Sec. Schlumpberger (2021)

***Epiphyllum* Haw., Syn. Pl. Succ.: 197. 1812.** Sec. Korotkova & al. (2017)

Type: *Epiphyllum phyllanthus* (L.) Haw.

- ≡ *Phyllocactus* Link, Handbuch 2: 10. 1829, nom. illeg. syn. sec. Korotkova & al. (2017)
 = *Phyllocereus* Miq. in Bull. Sci. Phys. Nat. Néerl. 1839: 112. 1839, nom. illeg. syn. sec. Korotkova & al. (2017)
 = *Marniera* Backeb. in Cact. Succ. J. (Los Angeles) 22. 1950 syn. sec. Korotkova & al. (2017). Type: *Marniera macroptera* (Lem.) Backeb.
 = *Chiapasophyllum* Doweld in Sukkulenty 4(1-2): 32. 2002 ["2001"] syn. sec. Korotkova & al. (2017). Type: *Chiapasophyllum chrysocardium* (Alexander) Doweld

Notes. – Newly circumscribed based on the results of the phylogenetic study of Korotkova & al. (2017). They found a highly supported core *Epiphyllum* clade including the type species and *E. chrysocardium* which used to be included in *Selenicereus* (Bauer 2003; Hunt 2006). [Korotkova (2021)]

***Epiphyllum baueri* Dorsch in Haseltonia 9: 6. 2003.** Sec. Korotkova & al. (2017)

***Epiphyllum cartagense* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 16: 256. 1913.** Sec. Korotkova & al. (2017)

- ≡ *Phyllocactus cartagensis* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 462. 1902 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus cartagensis* var. *refracta* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 462. 1902 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus cartagensis* var. *robustus* F.A.C.Weber in Monatsschr. Kakteenk. 15: 180. 1905 syn. sec. Kew WCVP (2019)

***Epiphyllum chrysocardium* Alexander in Cact. Succ. J. (Los Angeles) 28: 4. 1956.** Sec. Korotkova & al. (2017)

- ≡ *Marniera chrysocardium* (Alexander) Backeb., Cactaceae 2: 737. 1959 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus chrysocardium* (Alexander) Kimmach in Bradleya 9: 91. 1991 syn. sec. Korotkova & al. (2017) ≡ *Chiapasophyllum chrysocardium* (Alexander) Doweld in Sukkulenty 4(1-2): 32. 2002 ["2001"] syn. sec. Korotkova & al. (2017) – *Marniera chrysocardia* (Alexander) Backeb., Cactaceae 2: 737. 1959 syn. sec. TPL (2013) [is orthographic variant for *Marniera chrysocardium* (Alexander) Backeb.]

***Epiphyllum grandilobum* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 16: 257. 1913.** Sec. Korotkova & al. (2017)

- ≡ *Phyllocactus grandilobus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 464. 1902 syn. sec. Korotkova & al. (2017)
 = *Epiphyllum gigas* Woodson & Cutak in Ann. Missouri Bot. Gard. 45: 87. 1958 syn. sec. Korotkova & al. (2017)

***Epiphyllum hookeri* Haw. in Philos. Mag. Ann. Chem. 6: 108. 1829.** Sec. Korotkova & al. (2017)

- ≡ *Cereus hookeri* (Haw.) Pfeiff., Enum. Diagn. Cact.: 125. 1837 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus hookeri* (Haw.) Walp., Repert. Bot. Syst. 2: 341. 1843 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus hookeri* (Haw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 38. 1850 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *hookeri* (Haw.) Kimmach in Cact. Succ. J. (Los Angeles) 36: 113. 1964 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* subsp. *hookeri* (Haw.) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Korotkova & al. (2017)

***Epiphyllum hookeri* subsp. *columbiense* (F.A.C.Weber) Ralf Bauer in Cactaceae Syst. Init. 17: 26. 2003.** Sec. Korotkova & al. (2017)

- ≡ *Phyllocactus phyllanthus* var. *columbiensis* F.A.C.Weber in Bois, Dict. Hort.: 957. 1898 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *columbiense* (F.A.C.Weber) Backeb., Cactaceae 2: 746. 1959 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum columbiense* (F.A.C.Weber) Dodson & A.H.Gentry in Selbyana 2(1): 31. 1977 syn. sec. Korotkova & al. (2017)

***Epiphyllum hookeri* subsp. *guatemalense* (Britton & Rose) Ralf Bauer in *Cactaceae Syst. Init.* 17: 25. 2003.** Sec. Korotkova & al. (2017)

≡ *Epiphyllum guatemalense* Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 257. 1913 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus guatemalensis* (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 116. 1913 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *guatemalense* (Britton & Rose) Kimmach in *Cact. Succ. J. (Los Angeles)* 36: 110. 1964 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* subsp. *guatemalense* (Britton & Rose) U. Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003 syn. sec. Korotkova & al. (2017)

***Epiphyllum hookeri* subsp. *hookeri*.** Sec. Korotkova & al. (2017)

= *Cereus marginatus* Salm-Dyck, *Hort. Dyck.*: 340. 1834 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus marginatus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 37. 1845 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus stenopetalus* C.F.Först., *Handb. Cacteenk.*: 441. 1846 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum stenopetalum* (C.F.Först.) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 259. 1913 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus strictus* Lem. in *Ill. Hort.* 1: 107. 1854 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum strictum* (Lem.) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 259. 1913 syn. sec. Korotkova & al. (2017)

***Epiphyllum hookeri* subsp. *pittieri* (F.A.C.Weber) Ralf Bauer in *Cactaceae Syst. Init.* 17: 26. 2003.** Sec. Korotkova & al. (2017)

≡ *Phyllocactus pittieri* F.A.C.Weber in *Bois, Dict. Hort.*: 957. 1898 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum pittieri* (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 258. 1913 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *pittieri* (F.A.C.Weber) Kimmach in *Cact. Succ. J. (Los Angeles)* 36: 115. 1964 syn. sec. Korotkova & al. (2017)

***Epiphyllum laui* Kimmach in *Cact. Succ. J. (Los Angeles)* 62(3): 149. 1990.** Sec. Korotkova & al. (2017)

***Epiphyllum oxypetalum* (DC.) Haw. in *Philos. Mag. Ann. Chem.* 6: 109. 1829.** Sec. Korotkova & al. (2017)

≡ *Cereus oxypetalus* DC., *Prodr.* 3: 470. 1828 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus oxypetalus* (DC.) Link ex Walp., *Repert. Bot. Syst.* 2: 341. 1843 syn. sec. Korotkova & al. (2017) ≡ *Cactus oxypetalus* Moc. & Sessé ex DC., *Prodr.* 3: 470. 1828 syn. sec. Kew WCVP (2019)
 = *Cereus latifrons* Zucc. ex Pfeiff. in *Denkschr. Akad. Muench.* 2: 735. 1837 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum latifrons* (Zucc. ex Pfeiff.) Pfeiff., *Enum. Diagn. Cact.*: 125. 1837 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus latifrons* (Zucc. ex Pfeiff.) Link ex Walp., *Repert. Bot. Syst.* 2: 341. 1843 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus grandis* Lem., *Fl. des Serres* 3: 255. 1847 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum grande* (Lem.) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 257. 1913 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus guyanensis* Brongn. ex Labour., *Monogr. Cact.*: 416. 1853 syn. sec. Britton & Rose (1923)
 = *Epiphyllum acuminatum* K.Schum., *Fl. Bras.* 4(2): 222. 1890 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus acuminatus* (K.Schum.) K.Schum., *Gesamtbeschr. Kakt.*: 213. 1897 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus purpusii* Weing. in *Monatsschr. Kakteenk.* 17: 34. 1907 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum purpusii* (Weing.) F.M.Knuth, *Kaktus-ABC*: 161. 1936 ["1935"] syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum oxypetalum* var. *purpusii* (Weing.) Backeb., *Cactaceae* 2: 747. 1959 syn. sec. Korotkova & al. (2017)

***Epiphyllum phyllanthus* (L.) Haw., *Syn. Pl. Succ.*: 197. 1812.** Sec. Korotkova & al. (2017)

≡ *Cactus phyllanthus* L., *Sp. Pl.*: 469. 1753 syn. sec. Korotkova & al. (2017) ≡ *Opuntia phyllanthus* (L.) Mill., *Gard. Dict.*, ed. 8: *Opuntia* No. 9. 1768 syn. sec. Korotkova & al. (2017) ≡ *Cereus phyllanthus* (L.) DC., *Prodr.* 3: 469. 1828 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus phyllanthus* (L.) Link, *Handbuch* 2: 11. 1831 syn. sec. Korotkova & al. (2017) ≡ *Rhypsalis phyllanthus* (L.) K.Schum., *Fl. Bras.* 4(2): 298. 1890 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *phyllanthus*
 = *Phyllocactus speciosus* Kostel., *Index Seminum (PRC, Pragensis)* 1844: 104. 1844, nom. illeg. syn. sec. Kew WCVP (2019)

***Epiphyllum phyllanthus* subsp. *phyllanthus*.** Sec. Korotkova & al. (2017)

= *Rhypsalis macrocarpa* Miq. in *Bull. Sci. Phys. Nat. Néerl.* 1838: 49. 1838 syn. sec. Korotkova & al. (2017) ≡ *Hariota macrocarpa* (Miq.) Kuntze, *Revis. Gen. Pl.* 1: 263. 1891 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus phyllanthus* var. *boliviensis* F.A.C.Weber in *Bois, Dict. Hort.*: 957. 1898 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *boliviense* (F.A.C.Weber) Backeb., *Cactaceae* 2: 746. 1959 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus phyllanthus* var. *paraguayensis* F.A.C.Weber in *Bois, Dict. Hort.*: 957. 1898 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum phyllanthus* var. *paraguayense* (F.A.C.Weber) Backeb., *Cactaceae* 2: 746. 1959 syn. sec. Korotkova & al. (2017)
 = *Epiphyllum gaillardae* Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 240. 1913 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus gaillardae* (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 87, 88. 1913 syn. sec. Korotkova & al. (2017)
 = *Epiphyllum phyllanthus* var. *schnetteri* Peukert in *Kakteen And. Sukk.* 42(11): 255. 1991 syn. sec. Korotkova & al. (2017)

***Epiphyllum phyllanthus* subsp. *rubrocoronatum* (Kimmach) Ralf Bauer in *Cactaceae Syst. Init.* 17: 25. 2003.** Sec. Korotkova & al. (2017)

≡ *Epiphyllum phyllanthus* var. *rubrocoronatum* Kimmach in *Cact. Succ. J. (Los Angeles)* 36: 110. 1964 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum rubrocoronatum* (Kimmach) Dodson & A.H.Gentry in *Selbyana* 2: 31. 1977 syn. sec. Korotkova & al. (2017)

= *Epiphyllum trimetrale* Croizat in *Ciencia* 6: 353. 1946 syn. sec. Korotkova & al. (2017)

***Epiphyllum phyllanthus* var. *plattsii* Proctor, *Fl. Cayman Islands*: 256. 2012.** Sec. Kew WCVP (2019)

- Epiphyllum pumilum* Britton & Rose in Contr. U.S. Natl. Herb. 16: 258. 1913.** Sec. Korotkova & al. (2017)
 ≡ *Phyllocactus pumilus* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 23: 117. 1913 syn. sec. Korotkova & al. (2017)
 = *Epiphyllum caudatum* Britton & Rose in Contr. U.S. Natl. Herb. 16: 256. 1913 syn. sec. Korotkova & al. (2017) ≡ *Phyllocactus caudatus* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 23: 116. 1913 syn. sec. Korotkova & al. (2017)
- Epiphyllum thomasianum* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 259. 1913.** Sec. Korotkova & al. (2017)
 ≡ *Phyllocactus thomasianus* K.Schum. in Monatsschr. Kakteenk. 5: 6. 1895 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum macropterum* var. *thomasianum* (K.Schum.) Borg, Cacti, ed. 1: 359. 1937 syn. sec. Korotkova & al. (2017)
- Epiphyllum thomasianum* subsp. *costaricense* (F.A.C.Weber) Ralf Bauer in Cactaceae Syst. Init. 17: 22. 2003.** Sec. Korotkova & al. (2017)
 ≡ *Phyllocactus costaricensis* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 463. 1902 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum costaricense* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 16: 256. 1913 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum thomasianum* var. *costaricense* (F.A.C.Weber) Kimmach in Cact. Succ. J. (Los Angeles) 37: 168. 1965 syn. sec. Korotkova & al. (2017)
 = *Phyllocactus macrocarpus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 464. 1902 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum macrocarpum* (F.A.C.Weber) Backeb., Cactaceae 2: 754. 1959 syn. sec. Korotkova & al. (2017)
- Epiphyllum thomasianum* subsp. *thomasianum*.** Sec. Korotkova & al. (2017)
 = *Phyllocactus ruestii* Weing. in Monatsschr. Kakteenk. 24: 123. 1914 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum ruestii* (Weing.) F.M.Knuth, Kaktus-ABC: 163. 1936 ["1935"] syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum strictum* var. *ruestii* (Weing.) Borg, Cacti, ed. 1: 359. 1937 syn. sec. Korotkova (2021)
- Epithelantha* F.A.C.Weber ex Britton & Rose, Cactaceae 3: 92. 1922.** Sec. Aquino & al. (2019)
 Type: *Epithelantha micromeris* (Engelm.) F.A.C.Weber ex Britton & Rose
 = *Cephalomamillaria* Frič in in Život v Přír. 29: 9. 1925 syn. sec. Aquino (2021). Type: *Cephalomamillaria micromeris* (Engelm.) Frič
- Notes. – The number of accepted species in *Epithelantha* has been constantly changing, while some authors, e.g. Donati & Zanovello (2011) recognized about half a dozen species, others, e.g. Hunt (2016) accepted only two (*E. bokei* and *E. micromeris*). Hitherto only *E. micromeris* had been sampled in phylogenetic studies (Vázquez-Sánchez & al. 2013, Bárcenas & al. 2011), and found in an isolated position within the tribe *Cactaeae*.
 Aquino & al. (2019) have performed a detailed phylogenetic study of the genus and reconstructed the phylogeny of *Epithelantha* using sequences from the four plastid regions *petL-psbE*, *psbA-trnH*, *trnL-F*, and *trnQ-rps16* and a set of morphological characters. *Epithelantha* was recovered as monophyletic with maximal support as sister to *Turbincarpus*. The tree was fully resolved at the species-level and all clades corresponding to species received high or maximal support, thus providing a reliable basis for accepting in total 10 species. [Aquino (2021)]
- Epithelantha bokei* L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 185. 1969.** Sec. Aquino & al. (2019)
 ≡ *Epithelantha micromeris* var. *bokei* (L.D.Benson) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 50: 185. 1978 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *bokei* (L.D.Benson) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Aquino & al. (2019)
- Epithelantha cryptica* D.Donati & Zanov., Epithelantha: 55. 2011.** Sec. Aquino & al. (2019)
- Epithelantha greggii* (Engelm.) Orcutt in Cactography 5. 1926.** Sec. Aquino & al. (2019)
 ≡ *Mammillaria micromeris* var. *greggii* Engelm. in Proc. Amer. Acad. Arts 3: 261. 1856 syn. sec. Aquino & al. (2019) ≡ *Cactus micromeris* var. *greggii* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 101. 1894 syn. sec. Aquino & al. (2019) ≡ *Mammillaria greggii* (Engelm.) Saff. in Annual Rep. U.S. Natl. Mus. 1908: 531. 1909 syn. sec. Aquino & al. (2019) ≡ *Cephalomammillaria micromeris* var. *greggii* (Engelm.) Frič in Českoslov. Zahradn. Listy 1924: 120. 1924 syn. sec. Aquino & al. (2019) ≡ *Cephalomammillaria greggii* (Engelm.) Frič in Život v Přír. 29(9): 9. 1925 syn. sec. Aquino (2021) ≡ *Epithelantha micromeris* var. *greggii* (Engelm.) Borg, Cacti, ed. 1: 212. 1937 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *greggii* (Engelm.) N.P.Taylor in Cactaceae Consensus Init. 5: 12. 1998 syn. sec. Aquino & al. (2019) – *Cephalomammillaria micromeris* var. *greggii* (Engelm.) Frič in Českoslov. Zahradn. Listy 1924: 120. 1924 syn. sec. Aquino (2021) [is misspelling for *Cephalomammillaria micromeris* var. *greggii* (Engelm.) Frič]
- = *Epithelantha densispina* Bravo in Anales Inst. Biol. Univ. Nac. México 22: 19. 1951 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* var. *densispina* (Bravo) Backeb. in Cactus (Paris) 39: 31. 1954 syn. sec. Aquino (2021)
 = *Epithelantha rufispina* Bravo in Anales Inst. Biol. Univ. Nac. México 22: 22. 1951 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* var. *rufispina* (Bravo) Backeb. in Cactus (Paris) 40: 57. 1954 syn. sec. Aquino (2021)
 = *Epithelantha petri* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 72. 2000 syn. sec. Aquino & al. (2019)
- Epithelantha ilariae* D.Donati & Zanov. in Piante Grasse 30: 186. 2010.** Sec. Aquino & al. (2019)
- Epithelantha micromeris* (Engelm.) F.A.C.Weber ex Britton & Rose, Cactaceae 3: 93. 1922.** Sec. Aquino & al. (2019)
 ≡ *Mammillaria micromeris* Engelm., Syn. Cact.: 260. 1856 syn. sec. Aquino & al. (2019) ≡ *Cactus micromeris* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Aquino & al. (2019) ≡ *Echinocactus micromeris* (Engelm.) F.A.C.Weber, Dict. Hort.: 804. 1898 syn. sec. Aquino & al. (2019) ≡ *Cephalomammillaria micromeris* (Engelm.) Frič in Život v Přír. 29: 9. 1925 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *micromeris* syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* var. *micromeris*
 – *Epithelantha micromeris* var. *typica* Croizat, Desert Pl. Life 15: 139. 1943, nom. inval. syn. sec. Aquino (2021)

– *Epithelantha micromeris* var. *caespitosa* Y.Itô, *Cactaceae*: 529. 1981, nom. inval. syn. sec. Aquino (2021)

***Epithelantha pachyrhiza* (W.T.Marshall) Backeb. in *Cactus (Paris)* 39: 31. 1954.** Sec. Aquino & al. (2019)

≡ *Epithelantha micromeris* var. *pachyrhiza* W.T.Marshall in *Cact. Succ. J. (Los Angeles)* 16: 161. 1944 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *pachyrhiza* (W.T.Marshall) N.P.Taylor in *Cactaceae Consensus Init.* 5: 13. 1998 syn. sec. Aquino & al. (2019)

= *Epithelantha micromeris* var. *elongata* Backeb. in *Cactus (Paris)* 40: 62. 1954 syn. sec. Aquino (2021) ≡ *Epithelantha micromeris* f. *elongata* (Backeb.) Bravo in *Cact. Suc. Mex.* 25: 65. 1980 syn. sec. Aquino (2021) ≡ *Epithelantha pachyrhiza* var. *elongata* Backeb. in *Cactus (Paris)* 39: 32. 1954 syn. sec. Aquino & al. (2019) ≡ *Epithelantha pachyrhiza* subsp. *elongata* (Backeb.) D.Donati & Zanov. in *Piante Grasse* 30: 185. 2010 syn. sec. Aquino & al. (2019)

= *Epithelantha pachyrhiza* subsp. *parvula* D.Donati & Zanov. in *Piante Grasse* 30: 185. 2010 syn. sec. Aquino & al. (2019)

***Epithelantha polycephala* Backeb. in *Cactus (Paris)* 39: 32. 1954.** Sec. Aquino & al. (2019)

≡ *Epithelantha micromeris* var. *polycephala* (Backeb.) Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* 50: 187. 1978 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *polycephala* (Backeb.) Glass, *Guía Identific. Cact. Amenazadas México*: s.p. 1997 ["1998"] syn. sec. Aquino & al. (2019) ≡ *Epithelantha greggii* subsp. *polycephala* (Backeb.) D.Donati & Zanov. in *Piante Grasse* 30: 185. 2010 syn. sec. Aquino & al. (2019)

***Epithelantha potosina* (D.Donati & Zanov.) D.Aquino & S.Arias in *Syst. Bot.* 44(3): 612. 2019.** Sec. Aquino & al. (2019)

≡ *Epithelantha greggii* subsp. *potosina* D.Donati & Zanov. in *Piante Grasse* 30: 186. 2010 syn. sec. Aquino & al. (2019)

***Epithelantha pulchra* (D.Donati & Zanov.) D.Aquino & S.Arias in *Syst. Bot.* 44(3): 612. 2019.** Sec. Aquino & al. (2019)

≡ *Epithelantha pachyrhiza* subsp. *pulchra* D.Donati & Zanov. in *Piante Grasse* 30: 185. 2010 syn. sec. Aquino & al. (2019)

***Epithelantha spinosior* C.Schmoll in *Anales Inst. Biol. Univ. Nac. México* 22: 11. 1951.** Sec. Aquino & al. (2019)

= *Mammillaria micromeris* var. *unguispina* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 118. 1932 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* var. *unguispina* (Boed.) Backeb. in *Cactus (Paris)* 39: 31. 1954 syn. sec. Aquino & al. (2019) ≡ *Epithelantha micromeris* subsp. *unguispina* (Boed.) N.P.Taylor in *Cactaceae Consensus Init.* 5: 12. 1998 syn. sec. Aquino & al. (2019) ≡ *Epithelantha unguispina* (Boed.) D.Donati & Zanov. in *Piante Grasse* 30: 186. 2010 syn. sec. Aquino & al. (2019)

= *Epithelantha unguispina* subsp. *huastecana* D.Donati & Zanov. in *Piante Grasse* 30: 186. 2010 syn. sec. Aquino & al. (2019)

***Eriosyce* Phil. in *Anales Univ. Chile* 41: 721. 1872.** Sec. Guerrero & al. (2019b)

Type: *Eriosyce sandillon* (Gay) Phil.

= *Neoporteria* Britton & Rose, *Cactaceae* 3: 94. 1922 syn. sec. Hunt (2006). Type: *Neoporteria subgibbosa* (Haw.) Britton & Rose

= *Friesia* Frič ex Kreuz. in *Möller's Deutsche Gärtn.-Zeitung* 44: 253-254. 1929, nom. illeg. syn. sec. Kew WCVP (2019)

= *Pyrrhocactus* A.Berger, *Kakteen*: 215, 345. 1929 syn. sec. Hunt (2006)

= *Chileocactus* Frič in *Kaktusář* 2: 21. 1931 syn. sec. Kew WCVP (2019)

= *Islaya* Backeb. in *Blätt. Kakteenf.* 1934(10): 3. 1934 syn. sec. Hunt (2006). Type: *Islaya minor* Backeb.

= *Chileniopsis* Backeb., *Kaktus-ABC*: 283, 416. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Chilenia* Backeb. in *Blätt. Kakteenf.* 1938(6): 21. 1938 syn. sec. Guerrero & al. (2019b)

= *Chilorebutia* Frič in *Succulenta (Netherlands)* 20: 55. 1938 syn. sec. Kew WCVP (2019)

= *Horridocactus* Backeb. in *Blätt. Kakteenf.* 1938(6): 21. 1938 syn. sec. Hunt (2006). Type: *Horridocactus horridus* (Colla) Backeb.

= *Nichelia* Bullock in *Bull. Misc. Inform. Kew* 1938: 297. 1938 syn. sec. Kew WCVP (2019)

= *Eupoorteria* Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 200. 1941 syn. sec. Kew WCVP (2019)

= *Hildmannia* Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 204. 1941 syn. sec. Kew WCVP (2019)

= *Neochilenia* Backeb. in *Repert. Spec. Nov. Regni Veg.* 51: 60. 1942 syn. sec. Hunt (2006). Type: *Neochilenia jussieui* (Monv.) Backeb.

= *Dracocactus* Y.Itô in *Bull. Takarazuka Insectarium* 71: ?. 1950 syn. sec. Kew WCVP (2019)

= *Neotanáhashia* Y.Itô, *Expl. Diagr.*: 113. 1957 syn. sec. Kew WCVP (2019)

= *Netanáhashia* Y.Itô, *Expl. Diagr.*: 290. 1957 syn. sec. Kew WCVP (2019)

= *Thelocephala* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 292. 1957 syn. sec. Hunt (2006). Type: *Thelocephala napina* (Phil.) Y.Itô

= *Chilorebutia* Frič ex F.Ritter in *Cactus (Paris)* 66: 5. 1960 syn. sec. Tropicos

= *Delaetia* Backeb., *Cactaceae* 6: 3788. 1962 syn. sec. Tropicos. Type: *Delaetia woutersiana* Backeb.

= *Rodentiophila* F.Ritter & Y.Itô in *Itô, Cactaceae*: 429. 1981 syn. sec. Kew WCVP (2019)

– *Bridgesia* Backeb. in *Blätt. Kakteenf.* 1934(3): 5. 1934, nom. inval.

Notes. – **Phylogenetics:** The diminutive *Eriosyce laui* Lüthy from North Chile has been found to differ morphologically from the remaining taxa of *Eriosyce* s.l. by Nyffeler & Egli (1997) and was subsequently segregated as the monotypic genus *Rimacactus*. This segregation is backed up by molecular data of Guerrero & al. (2019b). [Guerrero (2021)]

Key literature: Recent treatments by Kattermann (1994) and Hoffmann & Walter (2005; Chile), Guerrero & al. (2019a,b)

***Eriosyce aerocarpa* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Guerrero & al. (2019b)

- ≡ *Chileorebutia aerocarpa* F.Ritter in Cactus (Paris) 63(Suppl.): 6. 1959 syn. sec. Guerrero (2021) ≡ *Neochilenia aerocarpa* Backeb., Cactaceae 3: 1826. 1959 [as "*acrocarpa*"] syn. sec. Guerrero (2021) ≡ *Neoporteria reichei* f. *aerocarpa* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero (2021) ≡ *Thelocephala aerocarpa* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1010. 1980 syn. sec. Guerrero (2021) ≡ *Neoporteria napina* var. *aerocarpa* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 226. 1989 syn. sec. Guerrero (2021) ≡ *Neoporteria reichei* var. *aerocarpa* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 147. 1991 syn. sec. Guerrero (2021) ≡ *Eriosyce napina* subsp. *aerocarpa* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Guerrero (2021) – *Neochilenia acrocarpa* Backeb., Cactaceae 3: 1826. 1959, nom. inval. syn. sec. TPL (2013)
- = *Thelocephala nuda* F.Ritter, Kakteen Südamerika 3: 1004. 1980 syn. sec. Guerrero (2021) ≡ *Neoporteria napina* f. *nuda* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 224. 1989 syn. sec. Guerrero (2021)

***Eriosyce armata* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 567. 2020.** Sec. Guerrero & al. (2019b)

- ≡ *Pyrrhocactus armatus* F.Ritter in Succulenta (Netherlands) 1960: 49. 1960 syn. sec. Guerrero & al. (2019b) ≡ *Horridocactus armatus* (F.Ritter) Backeb., Cactaceae 6: 3792. 1962 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria tubersulcata* var. *armata* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria armata* (F.Ritter) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 86. 1967 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria horrida* var. *armata* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 190. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce curvispina* var. *armata* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce curvispina* subsp. *armata* (F.Ritter) Katt. in Cactaceae Syst. Init. 12: 14. 2001 syn. sec. Guerrero & al. (2019b)
- = *Echinopsis nigricans* Linke in Allg. Gartenzeitung 25: 239. 1857 syn. sec. Kew WCVP (2019) ≡ *Echinocactus nigricans* (Linke) D.Dietr. ex K.Schum., Gesamtbeschr. Kakt.: 420. 1898 syn. sec. Kew WCVP (2019) ≡ *Neoporteria nigricans* (Linke) Britton & Rose, Cactaceae 3: 95–96, f. 105. 1922 syn. sec. Korotkova (2021) ≡ *Nichelia nigricans* (Linke) Bullock in Bull. Misc. Inform. Kew 1938: 298. 1938 syn. sec. Korotkova (2021) ≡ *Chilenia nigricans* (Linke) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Neochilenia nigricans* (Linke) Y.Itô, Explan. Diagn. Austroechinocactinae: 275. 1957 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus nigricans* (Linke) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria tubersulcata* var. *nigricans* (Linke) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966
- = *Echinocactus soehrensii* K.Schum. in Monatsschr. Kakteenk. 11: 75. 1901 syn. sec. Britton & Rose (1922)
- = *Hildmannia nigricans* (A.Dietr. ex K.Schum.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Horridocactus nigricans* (A.Dietr. ex K.Schum.) Backeb. & Dölz in Repert. Spec. Nov. Regni Veg. 51: 61. 1942 syn. sec. Kew WCVP (2019)

***Eriosyce aspillagae* (Söhrens) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Hunt (2006)

- ≡ *Echinocactus aspillagae* Söhrens in Monatsschr. Deutsch. Kakteen-Ges. 1: 125. 1929 syn. sec. Hunt (2006) ≡ *Neoporteria aspillagae* (Söhrens) Backeb., Kaktus-ABC: 259. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neochilenia aspillagae* (Söhrens) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus aspillagae* (Söhrens) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Hunt (1999) ≡ *Neoporteria horrida* var. *aspillagae* (Söhrens) A.E.Hoffm., Cact. Fl. Silvestre Chile: 190. 1989 syn. sec. Kew WCVP (2019)
- = *Eriosyce aspillagae* subsp. *maechlerorum* Helmut Walter in Kakteen And. Sukk. 53: 261. 2002 syn. sec. Guerrero & al. (2019b)
- = *Eriosyce aspillagae* subsp. *maechleri* A.E.Hoffm. & H.E.Walter, Cact. Fl. Silvestre Chile: 198. 2004 syn. sec. Guerrero (2021)

***Eriosyce atroviridis* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)

- ≡ *Pyrrhocactus atroviridis* F.Ritter in Succulenta (Netherlands) 1960: 89. 1960 syn. sec. Guerrero & al. (2019b) ≡ *Horridocactus atroviridis* (F.Ritter) Backeb., Cactaceae 6: 3793. 1962 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria tubersulcata* var. *atroviridis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria vallenarensis* var. *atroviridis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 218. 1989 syn. sec. Korotkova (2021) ≡ *Neoporteria atroviridis* (F.Ritter) R.M.Ferryman, Cacti Illustr. Dict.: 140. 1991 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce crispa* subsp. *atroviridis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce crispa* var. *atroviridis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce erioszoides* subsp. *atroviridis* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Guerrero & al. (2019b)
- = *Pyrrhocactus erioszoides* var. *domeykoensis* F.Ritter, Kakteen Südamerika 3: 938. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria vallenarensis* var. *domeykoensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 218. 1989 syn. sec. Korotkova (2021) ≡ *Neoporteria erioszoides* var. *domeykoensis* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 142. 1991 syn. sec. Korotkova (2021)

***Eriosyce aurata* (Pfeiff.) Backeb. in Cact. J. (Croydon) 5: 9. 1936.** Sec. Hunt (2006)

- ≡ *Echinocactus auratus* Pfeiff., Abbild. Besch. Cact. 2: t. 14. 1847 syn. sec. Hunt (2006) ≡ *Eriosyce aurata* var. *aurata*
- = *Echinocactus ceratistes* Otto ex Pfeiff., Enum. Diagn. Cact.: 51. 1837 syn. sec. Hunt (2006) ≡ *Eriosyce ceratistes* (Otto ex Pfeiff.) Britton & Rose, Cactaceae 3: 186. 1922 syn. sec. Hunt (2006) ≡ *Trichocereus ceratistes* (Otto) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942 syn. sec. Kew WCVP (2019)
- = *Echinocactus sandillon* Gay, Fl. Chil. 3: 14. 1848 syn. sec. Hunt (2006) ≡ *Eriosyce sandillon* (Gay) Phil. in Anales Univ. Chile 41: 721. 1872 syn. sec. Hunt (2006)
- = *Eriosyce ceratistes* var. *combarbalensis* Backeb., Descr. Cact. Nov. 1: 33. 1957 ["1956"] syn. sec. Kew WCVP (2019)

- = *Eriosyce ceratistes* var. *coquimbensis* Backeb., Descr. Cact. Nov. 1: 32. 1957 ["1956"] syn. sec. Kew WCVP (2019)
 = *Eriosyce ceratistes* var. *jorgensis* Backeb., Descr. Cact. Nov. 1: 33. 1957 ["1956"] syn. sec. Kew WCVP (2019)
 = *Eriosyce ceratistes* var. *mollesensis* Backeb., Descr. Cact. Nov. 1: 32. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Eriosyce sandillon* var. *mollesensis* (Backeb.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 144. 1989 syn. sec. Kew WCVP (2019)
 = *Eriosyce ceratistes* var. *vallenarensis* Backeb., Descr. Cact. Nov. 1: 32. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Eriosyce sandillon* var. *vallenarensis* (Backeb.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 144. 1989 syn. sec. Kew WCVP (2019)
 = *Eriosyce ceratistes* var. *zorillaensis* Backeb., Descr. Cact. Nov. 1: 32. 1957 ["1956"] syn. sec. Kew WCVP (2019)
 = *Eriosyce algarrobensis* F.Ritter, Kakteen Südamerika 3: 914. 1980 syn. sec. Hunt (2006) ≡ *Eriosyce sandillon* var. *algarrobensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 146. 1989 syn. sec. Kew WCVP (2019)
 = *Eriosyce ihotzkyanae* F.Ritter, Kakteen Südamerika 3: 912. 1980 syn. sec. Hunt (2006)
 = *Eriosyce lapampaensis* F.Ritter, Kakteen Südamerika 3: 914. 1980 syn. sec. Hunt (2006)
 = *Eriosyce spinibarbis* F.Ritter, Kakteen Südamerika 3: 915. 1980 syn. sec. Hunt (2006) ≡ *Eriosyce aurata* var. *spinibarbis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Kew WCVP (2019)
- Eriosyce bulbocalyx* (Werderm.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994. Sec. Hunt (2006)**
 ≡ *Echinocactus bulbocalyx* Werderm., Blüh. Kakt. Mapped 34: t. 136. 1937 syn. sec. Hunt (2006) ≡ *Pyrrhocactus bulbocalyx* (Werderm.) Backeb., *Cactaceae* 3: 1565. 1959 syn. sec. Tropicos ≡ *Neoporteria bulbocalyx* (Werderm.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 55. 1966 syn. sec. Kew WCVP (2019)
 = *Pyrrhocactus dubius* Backeb., *Kaktus-ABC*: 415. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Neoporteria dubia* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 56. 1966 syn. sec. Kew WCVP (2019)
 = *Pyrrhocactus umadeave* var. *marayesensis* Backeb., Descr. Cact. Nov. 3: 13. 1963 syn. sec. Hunt (2006) ≡ *Neoporteria umadeave* var. *marayesensis* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966 ≡ *Pyrrhocactus marayesensis* (Backeb.) J.G.Lamb., *Cact. Argentine*, ed. 2: 265. 1998 ["1997"] syn. sec. Korotkova (2021)
- Eriosyce calderana* (F.Ritter) Ferryman in *Cactaceae Syst. Init.* 20: 15. 2005. Sec. Hunt (2006)**
 ≡ *Pyrrhocactus calderanus* F.Ritter in *Succulenta* (Netherlands) 1961: 13. 1961 syn. sec. Hunt (2006) ≡ *Neochilenia calderana* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria calderana* Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Eriosyce pygmaea* subsp. *calderana* (F.Ritter) Ferryman in *Cactaceae Syst. Init.* 16: 11. 2003 syn. sec. Kew WCVP (2019) – *Neoporteria intermedia* var. *calderana* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989, nom. inval. syn. sec. Kew WCVP (2019)
 = *Pyrrhocactus pilispinus* F.Ritter in *Succulenta* (Netherlands) 1962: 42. 1962 syn. sec. Kew WCVP (2019) ≡ *Neochilenia pilispina* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria pilispina* (F.Ritter) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Korotkova (2021) ≡ *Neoporteria intermedia* var. *pilispina* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989 syn. sec. Kew WCVP (2019) ≡ *Eriosyce taltalensis* subsp. *pilispina* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Kew WCVP (2019)
- Eriosyce caligophila* R.Pinto in *Bradleya* 23: 1. 2005. Sec. Guerrero & al. (2019b)**
 ≡ *Islaya caligophila* (R.Pinto) Faúndez & R.Kiesling in *Darwiniana* 45: 237. 2007 syn. sec. Guerrero (2021) ≡ *Neoporteria caligophila* (R.Pinto) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 7. 2013 syn. sec. Guerrero (2021)
- Eriosyce castanea* (F.Ritter) P.C.Guerrero & Helmut Walter in *Taxon* 68(3): 568. 2020. Sec. Guerrero & al. (2019b)**
 ≡ *Neoporteria castanea* F.Ritter in *Taxon* 12: 34. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria subgibbosa* f. *castanea* (F.Ritter) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966 syn. sec. Korotkova (2021) ≡ *Neoporteria subgibbosa* var. *castanea* (F.Ritter) Ferryman, *Cacti Illustr. Dict.*: 148. 1991 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce subgibbosa* var. *castanea* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Guerrero & al. (2019b)
 = *Neoporteria castanea* var. *tunensis* F.Ritter in *Taxon* 12(1): 34. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria subgibbosa* f. *tunensis* (F.Ritter) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966 syn. sec. Korotkova (2021)
- Eriosyce chilensis* (Hildm. ex K.Schum.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Hunt (2006)**
 ≡ *Echinocactus chilensis* Hildm. ex K.Schum., *Gesamtbeschr. Kakt.*: 423. 1898 syn. sec. Hunt (2006) ≡ *Neoporteria chilensis* (Hildm. ex K.Schum.) Britton & Rose, *Cactaceae* 3: 99, f. 108. 1922 syn. sec. Kew WCVP (2019) ≡ *Chilenia chilensis* (Hildm. ex K.Schum.) Backeb., *Kaktus-ABC*: 300. 1936 ["1935"] syn. sec. Korotkova (2021) ≡ *Eupoorteria chilensis* (Hildm. ex K.Schum.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 201. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia chilensis* (Hildm. ex K.Schum.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 88. 1951 syn. sec. Korotkova (2021) ≡ *Pyrrhocactus chilensis* (Hildm. ex K.Schum.) F.Ritter in *Succulenta* (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019)
 = *Echinocactus chilensis* var. *confinis* Hildm., *Gesamtbeschr. Kakt.*: 424. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus chilensis* f. *confinis* (Hildm.) Schelle, *Handb. Kakteenkult.*: 195. 1907 syn. sec. Kew WCVP (2019) ≡ *Neoporteria chilensis* f. *confinis* (Hildm.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 55. 1966 syn. sec. Kew WCVP (2019)
 = *Pyrrhocactus chilensis* var. *albidiflorus* F.Ritter, Kakteen Südamerika 3: 927. 1980 syn. sec. Kew WCVP (2019) ≡ *Eriosyce chilensis* var. *albidiflora* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Kew WCVP (2019)
 = *Pyrrhocactus krausii* F.Ritter, Kakteen Südamerika 3: 953. 1980 syn. sec. Kew WCVP (2019)

***Eriosyce clavata* (Söhrens ex K.Schum.) Helmut Walter in Bradleya 26: 92. 2008.** Sec. Zuloaga & al. (2008)

- ≡ *Echinocactus clavatus* Söhrens ex K.Schum. in Monatsschr. Kakteenk. 10: 27. 1900 ≡ *Arequipa clavata* (Söhrens ex K.Schum.) Borg, Cacti, ed. 1: 216. 1937 ≡ *Neoporteria clavata* (Söhrens ex K.Schum.) Werderm. in Kakteenkunde 1939: 79. 1939 syn. sec. Zuloaga & al. (2008) ≡ *Eupoorteria clavata* (Söhrens ex K.Schum.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 202. 1941 syn. sec. Kew WCVP (2019) ≡ *Eriosyce subgibbosa* subsp. *clavata* (Söhrens ex K.Schum.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 ≡ *Eriosyce subgibbosa* var. *clavata* (Söhrens ex K.Schum.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994
- = *Chilenia nigrihorrida* var. *major* Backeb., Kaktus-ABC: 301, 417. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* f. *major* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Chilenia nigrihorrida* var. *minor* Backeb., Kaktus-ABC: 301, 417. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* f. *minor* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus wagenknechtii* F.Ritter in Succulenta (Netherlands) 1960: 82. 1960 syn. sec. Kew WCVP (2019) ≡ *Neochilenia wagenknechtii* (F.Ritter) Backeb., Cactaceae 6: 3783. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria jussieui* var. *wagenknechtii* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 198. 1989 syn. sec. Kew WCVP (2019)
- = *Neoporteria clavata* var. *procera* F.Ritter in Taxon 12: 34. 1963 syn. sec. Kew WCVP (2019)
- = *Neoporteria clavata* var. *parviflora* F.Ritter in Succulenta (Netherlands) 45: 131. 1966 syn. sec. Kew WCVP (2019)
- = *Neoporteria ritteri* Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Zuloaga & al. (2008)

***Eriosyce coimasensis* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)

- ≡ *Neoporteria coimasensis* F.Ritter in Taxon 12: 34. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria nidus* var. *coimasensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 164. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce senilis* subsp. *coimasensis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Guerrero & al. (2019b)
- = *Neoporteria robusta* F.Ritter in Taxon 12: 34. 1963 syn. sec. Hunt (2006) ≡ *Neoporteria coimasensis* var. *robusta* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1041–1042. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria subgibbosa* var. *robusta* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 168. 1989 syn. sec. Guerrero & al. (2019b)

***Eriosyce crispa* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Hunt (2006)

- ≡ *Pyrrhocactus crispus* F.Ritter in Succulenta (Netherlands) 1959: 137. 1959 syn. sec. Hunt (2006) ≡ *Horridocactus crispus* (F.Ritter) Backeb., Cactaceae 6: 3795. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria crispa* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Hunt (2006) – *Neoporteria vallenarensis* var. *crispa* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 218. 1989, nom. inval.
- = *Neochilenia nigriscoparia* Backeb., Cactaceae 6: 3784. 1962 syn. sec. Kew WCVP (2019)

Eriosyce crispa* subsp. *crispa*.** Sec. Hunt (2006)Eriosyce crispa* subsp. *totalensis* (F.Ritter) Katt. in Cactaceae Syst. Init. 12: 14. 2001.** Sec. Hunt (2006)

- ≡ *Pyrrhocactus totalensis* F.Ritter in Succulenta (Netherlands) 1961: 131. 1961 syn. sec. Hunt (2006) ≡ *Neochilenia totalensis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria totalensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021) ≡ *Eriosyce crispa* var. *totalensis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Hunt (2006) ≡ *Eriosyce eriosyzoides* var. *totalensis* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 222. 2004 syn. sec. Kew WCVP (2019) – *Neoporteria carrizalensis* var. *totalensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 178. 1989, nom. inval.

***Eriosyce curvispina* (Bertero ex Colla) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994.** Sec. Hunt (2016)

- ≡ *Cactus curvispinus* Bertero ex Colla in Mem. Reale Accad. Sci. Torino 37: 76. 1834 syn. sec. Hunt (2006) ≡ *Echinocactus curvispinus* (Bertero ex Colla) Gay, Fl. Chil. 3: 16. 1848 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus curvispinus* (Bertero ex Colla) Britton & Rose, Cactaceae 3: 203. 1922 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus curvispinus* (Bertero ex Colla) A.Berger, Kakteen: 345. 1929 syn. sec. Kew WCVP (2019) ≡ *Horridocactus curvispinus* (Bertero ex Colla) Backeb. in Kakteenkunde 1940: 51. 1940 syn. sec. Kew WCVP (2019) ≡ *Hildmannia curvispina* (Bertero ex Colla) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* (Bertero ex Colla) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Cactus horridus* Colla in Mem. Reale Accad. Sci. Torino 37: 76. 1834 syn. sec. Hunt (2006) ≡ *Echinocactus horridus* Gay, Fl. Chil. 3: 15. 1848 syn. sec. Tropicos ≡ *Pyrrhocactus horridus* (Colla) Backeb., Kaktus-ABC: 264. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Horridocactus horridus* (Colla) Backeb. in Kakteenkunde 1940: 51. 1940 syn. sec. Tropicos ≡ *Hildmannia horrida* (Colla) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria horrida* (Gay) D.R.Hunt in Bradleya 5: 93. 1987 syn. sec. Kew WCVP (2019)
- = *Echinocactus geissei* Poselg. ex K.Schum., Gesamtbeschr. Kakt.: 406. 1898 syn. sec. Kew WCVP (2019) ≡ *Hildmannia geissei* (Poselg. ex K.Schum.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Horridocactus geissei* (Poselg. ex K.Schum.) Dölz in Repert. Spec. Nov. Regni Veg. 51: 61. 1942 syn. sec. Hunt (2006) ≡ *Neoporteria curvispina* var. *geissei* (Poselg. ex K.Schum.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus geissei* var. *albicans* Hildm. in Schumann, Gesamtbeschr. Kakt.: 406. 1898 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *albicans* (Hildm.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966
- = *Echinocactus soebrensii* K.Schum. in Monatsschr. Kakteenk. 11: 75. 1901 syn. sec. Kew WCVP (2019)

- = *Echinocactus froehlichianus* K.Schum., Gesamtschr. Kakt., Nachtr. 1: 124. 1903 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus froehlichianus* (K.Schum.) Backeb., Kaktus-ABC: 262. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium froehlichianum* (K.Schum.) Osten in Anales Mus. Hist. Nat. Montevideo, ser. 2, 5(1): 77. 1941 syn. sec. Kew WCVP (2019) ≡ *Hildmannia froehlichiana* (K.Schum.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria tuberisulcata* var. *froehlichiana* (K.Schum.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus kesselringianus* Dözl in Kakteenkunde 1942: 5. 1942 syn. sec. Hunt (2006) ≡ *Neoporteria kesselringiana* (Dözl) Hutchison in Cact. Succ. J. (Los Angeles) 27: 183. 1955 syn. sec. Hunt (2006) ≡ *Pyrrhocactus kesselringianus* (Dözl) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *kesselringiana* (Dözl) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus andicola* F.Ritter in Succulenta (Netherlands) 1959: 97. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus andicola* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Hunt (1999) ≡ *Neoporteria curvispina* var. *andicola* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus andicola* var. *descendens* F.Ritter in Succulenta (Netherlands) 1959: 97. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus andicola* var. *descendens* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *descendens* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus andicola* var. *mollensis* F.Ritter in Succulenta (Netherlands) 1959: 97. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus andicola* var. *mollensis* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *mollensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus andicola* var. *robustus* F.Ritter in Succulenta (Netherlands) 1959: 97. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus andicola* var. *robustus* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus robustus* F.Ritter in Succulenta (Netherlands) 1960: 65. 1960 syn. sec. Tropicos ≡ *Neochilenia robusta* (F.Ritter) Backeb., Cactaceae 6: 3781. 1962 syn. sec. Tropicos ≡ *Eriosyce curvispina* var. *robusta* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Kew WCVP (2019) ≡ *Neoporteria tuberisulcata* var. *robusta* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *robusta* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus horridus* var. *robustus* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 947. 1980 syn. sec. Kew WCVP (2019)
- = *Horridocactus kesselringianus* var. *subaequalis* Backeb., Cactaceae 3: 1841. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *subaequalis* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus aconcaguensis* F.Ritter in Succulenta (Netherlands) 1960: 108. 1960 syn. sec. Tropicos ≡ *Horridocactus aconcaguensis* (F.Ritter) Backeb., Cactaceae 6: 3791. 1962 syn. sec. Tropicos ≡ *Eriosyce curvispina* var. *aconcaguensis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *aconcaguensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus horridus* var. *aconcaguensis* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 948. 1980 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *aconcaguensis* Don. & Rose syn. sec. Korotkova (2021)
- = *Pyrrhocactus aconcaguensis* var. *orientalis* F.Ritter in Succulenta (Netherlands) 1960: 109. 1960 syn. sec. Kew WCVP (2019) ≡ *Horridocactus aconcaguensis* var. *orientalis* (F.Ritter) Backeb., Cactaceae 6: 3791. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *orientalis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus horridus* var. *orientalis* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 949. 1980 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus choapensis* F.Ritter in Succulenta (Netherlands) 1960: 133. 1960 syn. sec. Tropicos ≡ *Horridocactus choapensis* (F.Ritter) Backeb., Cactaceae 6: 3793. 1962 syn. sec. Tropicos ≡ *Neoporteria choapensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Tropicos ≡ *Eriosyce curvispina* var. *choapensis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus grandiflorus* F.Ritter in Succulenta (Netherlands) 1960: 41. 1960 syn. sec. Kew WCVP (2019) ≡ *Horridocactus grandiflorus* (F.Ritter) Backeb., Cactaceae 6: 3796. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *grandiflora* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus odoriflorus* F.Ritter in Succulenta (Netherlands) 1960: 116. 1960 syn. sec. Kew WCVP (2019) ≡ *Neochilenia odoriflora* (F.Ritter) Backeb., Cactaceae 6: 3778. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria horrida* var. *odoriflora* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 190. 1989 syn. sec. Kew WCVP (2019) ≡ ?*Neoporteria odoriflora* Backeb. syn. sec. Korotkova (2021)
- = *Pyrrhocactus robustus* var. *vegasanus* F.Ritter in Succulenta (Netherlands) 1960: 65. 1960 syn. sec. Kew WCVP (2019) ≡ *Neochilenia robusta* var. *vegasana* (F.Ritter) Backeb., Cactaceae 6: 3783. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria tuberisulcata* var. *vegasana* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus coliguayensis* F.Ritter, Kakteen Südamerika 3: 929. 1980 syn. sec. Kew WCVP (2019) ≡ *Neoporteria horrida* var. *coliguayensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 190. 1989 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus pamaensis* F.Ritter, Kakteen Südamerika 3: 962. 1980 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus truncatipetalus* F.Ritter, Kakteen Südamerika 3: 980. 1980 syn. sec. Hunt (1999)

Notes. – The combination *Gymnocalycium froehlichianum* published by Osten (1941) is an auct. case. He uses the combination for plants from Zapato, Capilla del Monte (Argentina), which he describes in the text and depicts in two tables: "*Gymnocalycium Froehlichianum* (K. Sch.) o *Saglione* (Cels.)" So, he was obviously not sure whether the plants he found belonged to Schumann's

Echinocactus froehlichianus. Two species are illustrated in Osten (1941) under the name "*Gymnocalycium Froehlichianum* (K. Sch.) o *Saglione* (Cels.)": *Gymnocalycium valnicekianum* (*G. mostii* s. l) and *G. monvillei*. [Metzing (2021)]

***Eriosyce curvispina* subsp. *curvispina*.** Sec. Hunt (2006)

***Eriosyce curvispina* subsp. *tuberisulcata* (Jacobi) Katt. in *Cactaceae Syst. Init.* 12: 14. 2001.** Sec. Guerrero & al. (2019b)

≡ *Echinocactus tuberisulcatus* Jacobi in Allg. Gartenzeitung 24: 108. 1856 syn. sec. Guerrero (2021) ≡ *Malacocarpus tuberisulcatus* (Jacobi) Britton & Rose, *Cactaceae* 3: 202–203. 1922 syn. sec. Guerrero (2021) ≡ *Pyrrhocactus tuberisulcatus* (Jacobi) A. Berger, *Kakteen*: 215. 1929 syn. sec. Guerrero (2021) ≡ *Horridocactus tuberisulcatus* (Jacobi) Y. Itô, *Cacti*, ed. 2: 80. 1952 syn. sec. Guerrero (2021) ≡ *Neoporteria tuberisulcata* (Jacobi) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966 syn. sec. Guerrero (2021) ≡ *Eriosyce curvispina* var. *tuberisulcata* (Jacobi) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Guerrero (2021)

Eriosyce curvispina* var. *curvispina

***Eriosyce curvispina* var. *mutabilis* (F. Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994.** Sec. Guerrero & al. (2019b)

≡ *Pyrrhocactus horridus* var. *mutabilis* F. Ritter, *Kakteen Südamerika* 3: 946. 1980 syn. sec. Guerrero (2021)

***Eriosyce duripulpa* (F. Ritter) P.C. Guerrero & Helmut Walter in *Taxon* 68(3): 567. 2020.** Sec. Guerrero & al. (2019b)

≡ *Chileorebutia duripulpa* F. Ritter in *Taxon* 12: 123. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neochilenia duripulpa* (F. Ritter) Backeb., *Descr. Cact. Nov.* 3: 9. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria reichei* f. *duripulpa* (F. Ritter) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 ≡ *Thelocephala duripulpa* (F. Ritter) F. Ritter, *Kakteen Südamerika* 3: 1010. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria napina* var. *duripulpa* (F. Ritter) A.E. Hoffm., *Cact. Fl. Silvestre Chile*: 224. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* var. *duripulpa* (F. Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* subsp. *duripulpa* (F. Ritter) Katt. in *Cactaceae Syst. Init.* 12: 14. 2001 syn. sec. Guerrero & al. (2019b)

= *Eriosyce napina* subsp. *challensis* I. Schaub & Keim, *Cactus Co.* 9(2): 111. 2005 syn. sec. Guerrero & al. (2019b) ≡ *Thelocephala challensis* (I. Schaub & Keim) Faúndez & Saldívia in *Gayana, Bot.* 68(2): 317. 2011 syn. sec. Guerrero & al. (2019b)

***Eriosyce elquiensis* (Katt.) P.C. Guerrero & Helmut Walter in *Taxon* 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)

≡ *Eriosyce senilis* subsp. *elquiensis* Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Guerrero & al. (2019b)

***Eriosyce engleri* (F. Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Hunt (2006)

≡ *Horridocactus engleri* F. Ritter in *Succulenta (Netherlands)* 1959: 76. 1959 syn. sec. Hunt (2006) ≡ *Pyrrhocactus engleri* (F. Ritter) F. Ritter in *Succulenta (Netherlands)* 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria engleri* (F. Ritter) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 56. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *engleri* (F. Ritter) A.E. Hoffm., *Cact. Fl. Silvestre Chile*: 182. 1989

= *Horridocactus engleri* var. *krausii* Backeb., *Cactaceae* 6: 3796. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria engleri* var. *krausii* (Backeb.) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 56. 1966 syn. sec. Kew WCVP (2019)

***Eriosyce eriosyzoides* (F. Ritter) Ferryman in *Cactaceae Syst. Init.* 16: 11. 2003.** Sec. Hunt (2016)

≡ *Horridocactus eriosyzoides* F. Ritter in *Succulenta (Netherlands)* 1959: 49. 1959 syn. sec. Hunt (2006) ≡ *Pyrrhocactus eriosyzoides* (F. Ritter) F. Ritter in *Succulenta (Netherlands)* 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neochilenia eriosyzoides* (F. Ritter) Backeb., *Cactaceae* 6: 3777. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria eriosyzoides* (F. Ritter) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 56. 1966 syn. sec. Kew WCVP (2019) ≡ *Eriosyce eriosyzoides* subsp. *eriosyzoides* syn. sec. Hunt (2006)

= *Echinocactus supertextus* Pfeiff., *Abbild. Beschr. Cact.* 2: t. 14. 1846 syn. sec. Kew WCVP (2019)

= *Echinocactus kunzei* var. *brevispinosus* C.F. Först. in Allg. Gartenzeitung 15: 51. 1847 syn. sec. Kew WCVP (2019)

= *Echinocactus kunzei* var. *rigidior* Salm-Dyck, *Cact. Hort. Dyck*, ed. 1849: 33, 167. 1850 syn. sec. Kew WCVP (2019)

= *Echinocactus nidus* Söhrens ex K. Schum. in *Monatsschr. Kakteenk.* 10: 122. 1900 syn. sec. Kew WCVP (2019) ≡ *Neoporteria nidus* (Söhrens ex K. Schum.) Britton & Rose, *Cactaceae* 3: 94, f. 103. 1922 syn. sec. Tropicos ≡ *Nichelia nidus* (Söhrens ex K. Schum.) Bullock in *Bull. Misc. Inform. Kew* 1938: 297. 1938 syn. sec. Korotkova (2021) ≡ *Eupoorteria nidus* (Söhrens ex K. Schum.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 202. 1941 syn. sec. Kew WCVP (2019) – *Chilenia nidus* (Söhrens ex K. Schum.) Backeb. in *Blätt. Kakteenf.* 1938(3, Suppl. 13): 4. 1938, nom. inval. syn. sec. Tropicos

= *Neoporteria densispina* Y. Itô, *Explan. Diagr. Austroechinocactinae*: 293. 1957 syn. sec. Kew WCVP (2019) ≡ *Neoporteria nidus* f. *densispina* (Y. Itô) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Kew WCVP (2019)

= *Pyrrhocactus huascensis* F. Ritter in *Succulenta (Netherlands)* 1962: 57. 1962 syn. sec. Tropicos ≡ *Neochilenia huascensis* (F. Ritter) Backeb., *Descr. Cact. Nov.* 3: 9. 1963 syn. sec. Tropicos ≡ *Neoporteria huascensis* (F. Ritter) Donald & G.D. Rowley in *Cact. Succ. J. Gr. Brit.* 28: 56. 1966 syn. sec. Tropicos ≡ *Neoporteria jussieu* var. *huascensis* (F. Ritter) A.E. Hoffm., *Cact. Fl. Silvestre Chile*: 198. 1989 syn. sec. Kew WCVP (2019) ≡ *Eriosyce crispera* var. *huascensis* (F. Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Kew WCVP (2019) ≡ *Eriosyce eriosyzoides* var. *huascensis* (F. Ritter) A.E. Hoffm. & Helmut Walter, *Cact. Fl. Silv. Chile*, ed. 2: 222. 2004 syn. sec. Kew WCVP (2019)

- = *Pyrrhocactus carrizalensis* F.Ritter in Taxon 12: 33. 1963 ≡ *Horridocactus carrizalensis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *carrizalensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria carrizalensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 178. 1989 syn. sec. Kew WCVP (2019) ≡ *Neoporteria totoralensis* var. *carrizalensis* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 149. 1991 ≡ *Eriosyce crispa* var. *carrizalensis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Kew WCVP (2019) ≡ *Eriosyce eriosyzoides* var. *carrizalensis* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 222. 2004 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus transitensis* F.Ritter in Taxon 12: 33. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia transitensis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Tropicos ≡ *Neoporteria curvispina* var. *transitensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria vallenarensis* var. *transitensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 218. 1989 syn. sec. Kew WCVP (2019) ≡ *Neoporteria transiens* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 149. 1991 syn. sec. Tropicos ≡ *Neoporteria transitensis* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 149. 1991 syn. sec. Korotkova (2021) ≡ *Eriosyce kunzei* var. *transitensis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Kew WCVP (2019) ≡ *Eriosyce eriosyzoides* var. *transitensis* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 220. 2004 syn. sec. Kew WCVP (2019)
- *Neochilenia eriosyzoides* var. *roseiflora* Y.Itô, Cactaceae: 457. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Eriosyce esmeraldana* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Hunt (2006)**
- ≡ *Chileorebutia esmeraldana* F.Ritter in Taxon 12: 123. 1963 syn. sec. Hunt (2006) ≡ *Neochilenia esmeraldana* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria esmeraldana* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019) ≡ *Thelocephala esmeraldana* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1021. 1980 syn. sec. Hunt (2006)
- *Neochilenia esmeraldana* var. *brevispina* Backeb., Cactaceae 3: 1829. 1959, nom. inval. syn. sec. Kew WCVP (2019)
- Eriosyce fankhauseri* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020. Sec. Guerrero & al. (2019b)**
- ≡ *Thelocephala fankhauseri* F.Ritter, Kakteen Südamerika 3: 1002. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria napina* var. *fankhauseri* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 224. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* subsp. *fankhauseri* (F.Ritter) Mächler & Helmut Walter in Cact. World 24: 141. 2006 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* var. *fankhauseri* (F.Ritter) Romulski in Kaktusy Inne 4: 131. 2007 syn. sec. Guerrero & al. (2019b)
- Eriosyce fulva* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020. Sec. Guerrero & al. (2019b)**
- ≡ *Thelocephala fulva* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1011. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce odieri* subsp. *fulva* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Korotkova (2021) – *Chileorebutia fulva* F.Ritter in Cactus (Paris) 66: 10. 1960, nom. nud. syn. sec. Guerrero & al. (2019b) – *Neoporteria napina* var. *fulva* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 226. 1989, nom. inval.
- Eriosyce garaventae* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994. Sec. Hunt (2006)**
- ≡ *Horridocactus garaventae* F.Ritter in Succulenta (Netherlands) 1959: 41. 1959 syn. sec. Hunt (2006) ≡ *Pyrrhocactus garaventae* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *garaventae* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 ≡ *Neoporteria garaventae* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 143. 1991
- = *Pyrrhocactus subaianus* Backeb., Cactaceae 3: 1575. 1959 syn. sec. Hunt (1999) ≡ *Neoporteria subaiana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021)
- Eriosyce glabrescens* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020. Sec. Guerrero & al. (2019b)**
- ≡ *Chileorebutia glabrescens* F.Ritter in Cactus (Paris) 66: 8. 1960 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria napina* f. *glabrescens* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 ≡ *Thelocephala glabrescens* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1003. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce odieri* subsp. *glabrescens* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* subsp. *glabrescens* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* var. *glabrescens* (F.Ritter) Romulski in Kaktusy Inne 4: 131. 2007 syn. sec. Guerrero & al. (2019b)
- = *Neochilenia carneoflora* Kilian in Backeberg, Kakteenlex.: 288. 1966 syn. sec. Kew WCVP (2019)
- = *Neoporteria reichei* f. *carneoflora* Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019)
- = *Eriosyce napina* subsp. *llanensis* Schaub & Keim in Cactus Co 15(1): 36. 2011 syn. sec. Guerrero & al. (2019b)
- *Neochilenia acrocarpa* var. *fulva* E.Y.Dawson in Backeberg, Cactaceae 3: 1827. 1959, nom. inval. syn. sec. Guerrero & al. (2019b)
- Eriosyce heinrichiana* (Backeb.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994. Sec. Hunt (2016)**
- ≡ *Horridocactus heinrichianus* Backeb. in Beitr. Sukkulente. Sukkulentepflege 1942: 8. 1942 syn. sec. Hunt (2006) ≡ *Pyrrhocactus heinrichianus* (Backeb.) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* var. *heinrichiana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 ≡ *Neoporteria heinrichiana* (Backeb.) Ferryman, Cacti Illustr. Dict.: 143. 1991 syn. sec. Korotkova (2021)
- = *Echinocactus niger* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 34. 1850 syn. sec. Britton & Rose (1922)
- = *Echinocactus jussianus* Lem., Monogr. Cact.: 247. 1853 syn. sec. Britton & Rose (1922)
- = *Echinocactus occultus* Phil., Fl. Atacam.: 23. 1860 syn. sec. Tropicos ≡ *Neoporteria occulta* (Phil.) Britton & Rose, Cactaceae 3: 95, f. 104. 1922 syn. sec. Tropicos ≡ *Nichelia occulta* (Phil.) Bullock in Bull. Misc. Inform. Kew 1938: 298. 1938 syn. sec. Hunt (2006) ≡ *Chilenia occulta* (Phil.) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Neochilenia occulta* (Phil.) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Tropicos
- = *Echinocactus jussieu* var. *cristatus* Rümpler, Handb. Cacteenk., ed. 2: 581. 1885 syn. sec. Britton & Rose (1922)

- = *Echinocactus occultus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 114. 1903, nom. illeg. syn. sec. Hunt (2016) [non *Echinocactus occultus* Phil.] = *Pyrrhocactus occultus* (K.Schum.) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus chorosensis* F.Ritter in Succulenta (Netherlands) 1960: 121. 1960 syn. sec. Kew WCVP (2019) = *Neochilenia chorosensis* (F.Ritter) Backeb., Cactaceae 6: 3777. 1962 syn. sec. Hunt (2006) = *Neoporteria chorosensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Hunt (2006) = *Neoporteria jussieui* var. *chorosensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 202. 1989 syn. sec. Kew WCVP (2019)
- = *Neochilenia deherdtiana* Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) = *Neoporteria deherdtiana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019) = *Pyrrhocactus deherdtianus* (Backeb.) Katt. in Cact. Succ. J. (Los Angeles) 55: 123. 1983 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus chaniarensis* F.Ritter, Kakteen Südamerika 3: 926. 1980 syn. sec. Kew WCVP (2019) = *Neoporteria jussieui* var. *chaniarensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 198. 1989 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus trapichensis* F.Ritter, Kakteen Südamerika 3: 979. 1980 syn. sec. Hunt (2006) = *Neoporteria jussieui* var. *trapichensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 202. 1989 syn. sec. Kew WCVP (2019)
- Eriosyce iquiquensis* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003. Sec. Hunt (2006)**
- = *Pyrrhocactus iquiquensis* F.Ritter in Taxon 12: 32. 1963 syn. sec. Hunt (2006) = *Neochilenia iquiquensis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Hunt (2006) = *Neoporteria iquiquensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Hunt (2006) = *Eriosyce recondita* subsp. *iquiquensis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Hunt (2006) = *Islaya iquiquensis* (F.Ritter) Faúndez & R.Kiesling in Darwiniana 45: 237. 2007 syn. sec. Hunt (2006)
- = *Reicheocactus floribundus* Backeb., Cactaceae 6: 3802. 1962 syn. sec. Hunt (2006) = *Pyrrhocactus floribundus* (Backeb.) F.Ritter, Kakteen Südamerika 3: 940. 1980 syn. sec. Korotkova (2021) – *Neoporteria reichei* f. *floribunda* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966, nom. inval. – *Neoporteria aricensis* var. *floribunda* (Backeb.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 176. 1989, nom. inval.
- Eriosyce islayensis* (C.F.Först.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994. Sec. Hunt (2006)**
- = *Echinocactus islayensis* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 160. 1861 syn. sec. Hunt (2006) = *Malacocarpus islayensis* (C.F.Först.) Britton & Rose, Cactaceae 3: 201, pl. 22, f. 4. 1922 syn. sec. Kew WCVP (2019) = *Islaya islayensis* (C.F.Först.) Backeb. in Blätt. Kakteenf. 1934(10): 3, genus 63. 1934 syn. sec. Hunt (2006) = *Parodia islayensis* (C.F.Först.) Borg, Cacti, ed. 1: 268. 1937 syn. sec. Kew WCVP (2019) = *Neoporteria islayensis* (C.F.Först.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Hunt (2006)
- = *Echinocactus lindleyi* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 162. 1861 syn. sec. Kew WCVP (2019) = *Neoporteria lindleyi* (C.F.Först.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus molendensis* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 24. 1913 syn. sec. Britton & Rose (1922) = *Islaya molendensis* (Vaupel) Backeb. in Cact. Succ. J. (Los Angeles) 23: 119. 1951 syn. sec. Korotkova (2021) = *Neoporteria islayensis* f. *molendensis* (Vaupel) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos – *Malacocarpus molendensis* (Vaupel) Backeb. in Möller's Deutsche Gärtner-Zeitung 46: 207. 1931, nom. nud.
- = *Islaya minor* Backeb., Kaktus-ABC: 258. 1936 ["1935"] syn. sec. Korotkova (2021) = *Parodia minor* (Backeb.) Borg, Cacti, ed. 1: 268. 1937 syn. sec. Kew WCVP (2019) = *Neoporteria islayensis* f. *minor* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos = *Islaya islayensis* var. *minor* (Backeb.) F.Ritter, Kakteen Südamerika 4: 1300. 1981 syn. sec. Hunt (2006)
- = *Islaya bicolor* Akers & Buining in Succulenta (Netherlands) 1951: 45. 1951 syn. sec. Hunt (1999) = *Neoporteria bicolor* (Akers & Buining) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Islaya grandiflorens* Rauh & Backeb., Descr. Cact. Nov. 1: 33. 1957 ["1956"] syn. sec. Hunt (2006) = *Neoporteria islayensis* f. *grandiflorens* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos
- = *Islaya paucispinosa* Rauh & Backeb., Descr. Cact. Nov. 1: 33. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Islaya brevicylindrica* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 496. 1958 syn. sec. Tropicos = *Neoporteria islayensis* f. *brevicylindrica* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos
- = *Islaya copiapoidea* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 495. 1958 syn. sec. Kew WCVP (2019) = *Neoporteria islayensis* var. *copiapoidea* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos = *Islaya islayensis* var. *copiapoidea* (Rauh & Backeb.) F.Ritter syn. sec. Tropicos = *Islaya paucispina* var. *copiapoidea* F.Ritter syn. sec. Tropicos
- = *Islaya grandiflorens* var. *tenuispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 500. 1958 syn. sec. Tropicos
- = *Islaya grandis* var. *brevispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 494. 1958 syn. sec. Tropicos = *Neoporteria islayensis* f. *brevispina* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos
- = *Islaya grandis* var. *neglecta* A.Simo in Kakteen And. Sukk. 9: 103. 1958 syn. sec. Hunt (2006)
- = *Islaya paucispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 500. 1958 syn. sec. Tropicos
- = *Islaya paucispina* var. *curvispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 502. 1958 syn. sec. Tropicos = *Neoporteria lindleyi* f. *curvispina* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Tropicos
- = *Islaya krainziana* F.Ritter in Sukkulantenkunde 7-8: 31. 1963 syn. sec. Tropicos = *Neoporteria krainziana* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019)

- = *Islaya copiapoides* var. *chalaensis* F.Ritter, Kakteen Südamerika 4: 1295. 1981 syn. sec. Hunt (2006)
 = *Islaya copiapoides* var. *pseudomollendensis* F.Ritter, Kakteen Südamerika 4: 1297. 1981 syn. sec. Tropicos
 = *Islaya divaricatijflora* F.Ritter, Kakteen Südamerika 4: 1298. 1981 syn. sec. Tropicos ≡ *Neoporteria islayensis* var. *divaricatijflora* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos
 = *Islaya flavida* F.Ritter, Kakteen Südamerika 4: 1298. 1981 syn. sec. Hunt (1999)
 = *Islaya maritima* F.Ritter, Kakteen Südamerika 4: 1301. 1981 syn. sec. Hunt (2006)
 = *Islaya minuscula* F.Ritter, Kakteen Südamerika 4: 1303. 1981 syn. sec. Tropicos
 = *Islaya unguispina* F.Ritter, Kakteen Südamerika 4: 1304. 1981 syn. sec. Tropicos
 = *Islaya grandiflorens* var. *spinosior* Rauh & Backeb. syn. sec. Tropicos ≡ *Neoporteria islayensis* f. *spinosior* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Tropicos
 = *Islaya roseiflora* Hoffm. syn. sec. Tropicos
- Eriogyne islayensis* subsp. *grandis* (Rauh & Backeb.) G.J.Charles in Cactaceae Syst. Init. 16: 11. 2003.** Sec. Hunt (2006)
 ≡ *Islaya grandis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 492. 1958 syn. sec. Hunt (2006) ≡ *Neoporteria islayensis* var. *grandis* (Rauh & Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- Eriogyne islayensis* subsp. *islayensis*.** Sec. Hunt (2006)
- Eriogyne islayensis* subsp. *omasensis* (Ostolaza & Mischler) G.J.Charles in Cactaceae Syst. Init. 21: 11. 2006.** Sec. Hunt (2006)
 ≡ *Islaya omasensis* Ostolaza & Mischler in Kakteen And. Sukk. 34(3): 57. 1983 syn. sec. Hunt (2006) ≡ *Neoporteria omasensis* (Ostolaza & Mischler) Ferryman, Cacti Illustr. Dict.: 147. 1991, nom. illeg. syn. sec. Hunt (2006) ≡ *Echinopsis omasensis* (Ostolaza & Mischler) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Hunt (2006) ≡ *Eriogyne omasensis* (Ostolaza & Mischler) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 syn. sec. Hunt (2006)
- Eriogyne krausii* (F.Ritter) Katt., Eriogyne (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Guerrero & al. (2019b)
 ≡ *Chileorebutia krausii* F.Ritter in Cactus (Paris) 63(Suppl.): 5. 1959 syn. sec. Guerrero (2021) ≡ *Neochilenia krausii* Backeb., Cactaceae 3: 1832. 1959 syn. sec. Guerrero (2021) ≡ *Neoporteria reichei* f. *krausii* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero (2021) ≡ *Thelocephala krausii* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1017. 1980 syn. sec. Guerrero (2021) ≡ *Eriogyne odieri* subsp. *krausii* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Guerrero (2021) – *Neoporteria odieri* var. *krausii* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 230. 1989, nom. inval. syn. sec. Guerrero (2021)
 = *Thelocephala longirapa* F.Ritter, Kakteen Südamerika 3: 1019. 1980 syn. sec. Guerrero (2021) ≡ *Neoporteria odieri* var. *longirapa* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 230. 1989 syn. sec. Guerrero (2021)
- Eriogyne kunzei* (C.F.Först.) Katt., Eriogyne (Cactac.) Gen. Revis. Ampl.: 117. 1994.** Sec. Guerrero & al. (2019b)
 ≡ *Echinocactus kunzei* C.F.Först., Handb. Cacteenk.: 293. 1846 ≡ *Neoporteria kunzei* (C.F.Först.) Backeb., Kaktus-ABC: 260. 1936 ["1935"] ≡ *Pyrrhocactus kunzei* (C.F.Först.) Borg, Cacti, ed. 1: 262. 1937 ≡ *Chilenia kunzei* (C.F.Först.) Backeb. in Beitr. Sukkulenteenk. Sukkulentepflege 1939: 82. 1939 ≡ *Hildmannia kunzei* (C.F.Först.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 ≡ *Neochilenia kunzei* (C.F.Först.) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 ≡ *Horridocactus kunzei* (C.F.Först.) F.Ritter in Succulenta (Netherlands) 1959: 50. 1959 ≡ *Neochilenia kunzei* (C.F.Först.) Backeb. ex Döhl in Repert. Spec. Nov. Regni Veg. 51: 60. 1942 syn. sec. IPNI: 21 feb 2021
 = *Echinocactus neumannianus* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 33. 1850 syn. sec. Guerrero & al. (2019b)
 = *Pyrrhocactus confinis* F.Ritter in Succulenta (Netherlands) 1961: 4. 1961 syn. sec. Guerrero & al. (2019b) ≡ *Neochilenia confinis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria confinis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria kunzei* var. *confinis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 204. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriogyne confinis* (F.Ritter) Katt., Eriogyne (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b)
- Eriogyne limariensis* (F.Ritter) Katt., Eriogyne (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Guerrero & al. (2019b)
 ≡ *Pyrrhocactus limariensis* F.Ritter, Kakteen Südamerika 3: 956. 1980 syn. sec. Guerrero (2021) ≡ *Neoporteria horrida* var. *limariensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 190. 1989 syn. sec. Guerrero (2021) ≡ *Neoporteria limariensis* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 144. 1991 syn. sec. Guerrero (2021) ≡ *Eriogyne curvispina* var. *limariensis* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 208. 2004 syn. sec. Guerrero (2021)
- Eriogyne litoralis* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)
 ≡ *Neoporteria litoralis* F.Ritter in Succulenta (Netherlands) 1959: 28. 1959 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria subgibbosa* f. *litoralis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 ≡ *Neoporteria subgibbosa* var. *litoralis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 168. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriogyne subgibbosa* var. *litoralis* (F.Ritter) Katt., Eriogyne (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Kew WCVP (2019)

***Eriosyce malleolata* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)

- ≡ *Chileorebutia malleolata* F.Ritter in Taxon 12: 123. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neochilenia malleolata* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria reichei* var. *malleolata* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria reichei* f. *malleolata* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Korotkova (2021) ≡ *Thelocephala malleolata* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1020. 1980 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria esmeraldana* var. *malleolata* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 222. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria odieri* var. *malleolata* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 146. 1991 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce odieri* subsp. *malleolata* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 258. 2004 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce odieri* var. *malleolata* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silvestre Chile, ed. 2: 258. 2004 syn. sec. Korotkova (2021)
- = *Chileorebutia malleolata* var. *solitaria* F.Ritter in Taxon 12: 123. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia malleolata* var. *solitaria* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria reichei* f. *solitaria* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Korotkova (2021) ≡ *Thelocephala malleolata* var. *solitaria* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 1020. 1980 syn. sec. Guerrero & al. (2019b)
- = *Eriosyce odieri* var. *weisseri* A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 258. 2004 syn. sec. Guerrero & al. (2019b) ≡ *Thelocephala weisseri* (A.E.Hoffm. & Helmut Walter) Faúndez & Saldivia in Gayana, Bot. 68(2): 317. 2011 syn. sec. Guerrero & al. (2019b)

***Eriosyce marksiana* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Guerrero & al. (2019b)

- ≡ *Pyrrhocactus marksianus* F.Ritter in Succulenta (Netherlands) 1960: 2. 1960 syn. sec. Guerrero (2021) ≡ *Horridocactus marksianus* (F.Ritter) Backeb., Cactaceae 6: 3797. 1962 syn. sec. Guerrero (2021) ≡ *Neoporteria marksiana* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero (2021) ≡ *Neoporteria curvispina* var. *marksiana* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 182. 1989 syn. sec. Guerrero (2021) ≡ *Eriosyce curvispina* subsp. *marksiana* (F.Ritter) Ferryman, Cact. Fl. Silv. Chile, ed. 2: 214. 2004 syn. sec. Guerrero (2021) – *Neoporteria marksianus* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero (2021) [is misspelling for *Neoporteria marksiana* (F.Ritter) Donald & G.D.Rowley]
- = *Pyrrhocactus lissocarpus* var. *gracilis* F.Ritter in Succulenta (Netherlands) 1960: 17. 1960 syn. sec. Guerrero (2021) ≡ *Horridocactus lissocarpus* var. *gracilis* (F.Ritter) Backeb., Cactaceae 6: 3797. 1962 syn. sec. Guerrero (2021) ≡ *Neoporteria curvispina* f. *gracilis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Guerrero (2021) ≡ *Eriosyce marksiana* var. *gracilis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero (2021)
- = *Pyrrhocactus marksianus* var. *tunensis* F.Ritter in Succulenta (Netherlands) 1960: 2. 1960 syn. sec. Guerrero (2021) ≡ *Horridocactus marksianus* var. *tunensis* (F.Ritter) Backeb., Cactaceae 6: 3798. 1962 syn. sec. Guerrero (2021) ≡ *Neoporteria marksiana* var. *tunensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero (2021)

***Eriosyce marksiana* var. *lissocarpa* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Guerrero & al. (2019b)

- ≡ *Pyrrhocactus lissocarpus* F.Ritter in Succulenta (Netherlands) 1960: 17. 1960 syn. sec. Guerrero (2021) ≡ *Horridocactus lissocarpus* (F.Ritter) Backeb., Cactaceae 6: 3796. 1962 syn. sec. Guerrero (2021) ≡ *Neoporteria curvispina* f. *lissocarpa* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Guerrero (2021) ≡ *Eriosyce curvispina* var. *lissocarpa* (F.Ritter) A.E.Hoffm. & Helmut Walter, Cact. Fl. Silv. Chile, ed. 2: 214. 2004 syn. sec. Guerrero (2021)

Eriosyce marksiana* var. *marksiana***Eriosyce megliolii* (Rausch) Ferryman in Cactaceae Syst. Init. 20: 16. 2005.** Sec. Hunt (2006)

- ≡ *Pyrrhocactus megliolii* Rausch in Kakteen And. Sukk. 25(10): 220. 1974 syn. sec. Hunt (2006) ≡ *Neoporteria megliolii* (Rausch) Donald in Ashingtonia 2(4): cppo [4]. 1976 syn. sec. Kew WCVP (2019)

***Eriosyce napina* (Phil.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994.** Sec. Hunt (2016)

- ≡ *Echinocactus napinus* Phil. in Anales Univ. Chile 41: 720. 1872 syn. sec. Hunt (2006) ≡ *Malacocarpus napinus* (Phil.) Britton & Rose, Cactaceae 3: 191, f. 201. 1922 syn. sec. Kew WCVP (2019) ≡ *Notocactus napinus* (Phil.) A.Berger, Kakteen: 214. 1929 syn. sec. Kew WCVP (2019) ≡ *Neoporteria napina* (Phil.) Backeb. in Blätt. Kakteenf. 1935(9): 4. 1935 syn. sec. Korotkova (2021) ≡ *Chilenia napina* (Phil.) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia napina* (Phil.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia napina* (Phil.) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Tropicos ≡ *Thelocephala napina* (Phil.) Y.Itô, Explan. Diagn. Austroechinocactinae: 149. 1957 syn. sec. Hunt (2006) ≡ *Chileorebutia napina* (Phil.) F.Ritter in Cactus (Paris) 63(Suppl.): 5. 1959 syn. sec. Kew WCVP (2019)
- = *Echinocactus mitis* Phil. in Anales Univ. Chile 85: 493. 1894 syn. sec. Kew WCVP (2019) ≡ *Hildmannia mitis* (Phil.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia napina* var. *mitis* (Phil.) Backeb. ex Dölz in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Kew WCVP (2019) ≡ *Neochilenia mitis* (Phil.) Backeb., Cactaceae 3: 1818. 1959 syn. sec. Tropicos ≡ *Neoporteria napina* var. *mitis* (Phil.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019)
- = *Thelocephala roseiflora* Y.Itô, Explan. Diagn. Austroechinocactinae: 292. 1957 syn. sec. Hunt (2006)
- = *Neochilenia imitans* Backeb., Cactaceae 3: 1821. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria reichei* f. *imitans* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019)
- = *Neochilenia napina* var. *spinosior* Backeb., Cactaceae 6: 3773. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria napina* f. *spinosior* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019) – *Neoporteria napina* var. *spinosior* Backeb. in Blätt. Kakteenf. 1935(9): 4. 1935, nom. inval. syn. sec. Kew WCVP (2019)

***Eriosyce napina* subsp. *lembeckei* Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994. Sec. Hunt (2016)**

- ≡ *Eriosyce napina* var. *lembeckei* Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Korotkova (2021) ≡ *Thelocephala lembeckei* (Katt.) Faúndez & Saldívia in Gayana, Bot. 68(2): 317. 2011 syn. sec. IPNI
- = *Neochilenia neoreichei* Backeb., *Cactaceae* 3: 1825. 1959 syn. sec. Kew WCVP (2019) ≡ *Reicheocactus neoreichei* (Backeb.) Backeb., *Cactaceae* 6: 3801. 1962 syn. sec. Hunt (1999) ≡ *Neoporteria reichei* f. *neoreichei* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Kew WCVP (2019) ≡ *Neochilenia neoreichei* Backeb. & Y.Itô in Itô, *Cactaceae*: 461. 1981 syn. sec. Kew WCVP (2019)
- *Neochilenia lembeckei* Backeb., *Cactaceae* 3: 1822. 1959, nom. inval. syn. sec. Hunt (2006) – *Neoporteria reichei* f. *lembeckei* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966, nom. inval. syn. sec. Kew WCVP (2019) – *Thelocephala lembeckei* (Backeb.) F.Ritter, *Kakteen Südamerika* 3: 1005. 1980, nom. inval. syn. sec. Hunt (2006) – *Neoporteria napina* var. *lembeckei* (Backeb.) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 224. 1989, nom. inval. syn. sec. Kew WCVP (2019)

Eriosyce napina* subsp. *napina*. Sec. Hunt (2006)**Eriosyce napina* subsp. *pajonalensis* I.Schaub & Keim in *Cactus & Co.* 15(1): 47. 2011. Sec. Kew WCVP (2019)*****Eriosyce nigrihorrida* (Backeb. ex A.W.Hill) P.C.Guerrero & Helmut Walter in *Taxon* 68(3): 568. 2020. Sec. Guerrero & al. (2019b)**

- ≡ *Chilenia nigrihorrida* Backeb. ex A.W.Hill, *Index Kew. Suppl.* 9: 62. 1939 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria nigrihorrida* Backeb. ex A.W.Hill in *Kakteenkunde* 1939: 81. 1939 syn. sec. Korotkova (2021) ≡ *Eriosyce subgibbosa* var. *nigrihorrida* (Backeb. ex A.W.Hill) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Korotkova (2021) ≡ *Eriosyce subgibbosa* subsp. *nigrihorrida* (Backeb. ex A.W.Hill) Katt. in *Cactaceae Syst. Init.* 12: 14. 2001 syn. sec. Korotkova (2021)

***Eriosyce occulta* Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Hunt (2006)**

- = *Pyrrhocactus philippianus* Faúndez in *Darwiniana* 45: 237. 2007 syn. sec. Kew WCVP (2019)

***Eriosyce odieri* (Lem. ex Salm-Dyck) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994. Sec. Hunt (2006)**

- ≡ *Echinocactus odieri* Lem. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 174. 1850 syn. sec. Hunt (2006) ≡ *Frailea odieri* (Lem. ex Salm-Dyck) Speg. in *Anales Soc. Ci. Argent.* 99: 131. 1925 syn. sec. Kew WCVP (2019) ≡ *Neoporteria odieri* (Lem. ex Salm-Dyck) Backeb., *Kaktus-ABC*: 261. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Chilenia odieri* (Lem. ex Salm-Dyck) Backeb. in *Kakteenkunde* 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia odieri* (Lem. ex Salm-Dyck) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia odieri* (Lem.) Backeb. in *Repert. Spec. Nov. Regni Veg.* 51: 50. 1942 syn. sec. Kew WCVP (2019) ≡ *Chileorebutia odieri* (Salm-Dyck) F.Ritter in *Cactus* 63: 5. 1959 syn. sec. Kew WCVP (2019) ≡ *Thelocephala odieri* (Salm-Dyck) F.Ritter, *Kakteen Südamerika* 3: 1012. 1980 syn. sec. Hunt (2006)
- = *Echinocactus araneifer* Lem. ex Labour., *Monogr. Cact.*: 248. 1853 syn. sec. Kew WCVP (2019) ≡ *Neoporteria odieri* var. *araneifera* (Lem. ex Labour.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus odieri* var. *magnificus* Hildm. in *Monatsschr. Kakteenk.* 5: 184. 1895 syn. sec. WFO 2019
- = *Echinocactus odierianus* Monv., *Dict. Hort.*: 470. 1896 syn. sec. Britton & Rose (1922)
- = *Echinocactus odieri* var. *mebbesii* Hildm. ex K.Schum., *Gesamtbeschr. Kakt.*: 413. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus odieri* f. *mebbesii* (Hildm. ex K.Schum.) Schelle, *Handb. Kakteenkult.*: 188. 1907 syn. sec. Tropicos
- = *Echinocactus reichei* K.Schum., *Gesamtbeschr. Kakt., Nachtr.* 1: 110. 1903 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus reichei* (K.Schum.) Britton & Rose, *Cactaceae* 3: 191, f. 202. 1922 syn. sec. Kew WCVP (2019) ≡ *Notocactus reichei* A.Berger, *Kakteen*: 214. 1929 syn. sec. Kew WCVP (2019) ≡ *Neoporteria reichii* (K.Schum.) Backeb. in *Blätt. Kakteenf.* 1935(9): 3, genus 65, sp. 3. 1935 syn. sec. Tropicos ≡ *Chilenia reichii* (K.Schum.) Backeb. in *Kakteenkunde* 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia reichei* (K.Schum.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 207. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia reichei* (K.Schum.) Backeb. in *Repert. Spec. Nov. Regni Veg.* 51: 50. 1942 syn. sec. Tropicos ≡ *Neotananashia reichei* (K.Schum.) Y.Itô, *Explan. Diagn. Austroechinocactinae*: 114. 1957 syn. sec. Kew WCVP (2019) ≡ *Chileorebutia reichei* (K.Schum.) F.Ritter in *Cactus* 63: 5. 1959 syn. sec. Hunt (2006) ≡ *Thelocephala reichei* (K.Schum.) F.Ritter, *Kakteen Südamerika* 3: 1023. 1980 syn. sec. Hunt (2006)
- = *Neochilenia pseudoreichei* Lembcke & Backeb. in *Backeberg, Cactaceae* 3: t. 159. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria reichei* f. *pseudoreichei* (Lembcke & Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Hunt (2006)
- = *Neochilenia atra* Backeb., *Descr. Cact. Nov.* 3: 9. 1963 syn. sec. Kew WCVP (2019)
- = *Neochilenia monte-amargensis* Backeb., *Descr. Cact. Nov.* 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria monte-amargensis* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria odieri* var. *monte-amargensis* (Backeb.) Ferryman, *Cacti Illustr. Dict.*: 146. 1991 syn. sec. Korotkova (2021) ≡ *Eriosyce odieri* var. *monte-amargensis* Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Kew WCVP (2019) ≡ *Thelocephala monte-amargensis* (Katt.) Faúndez & Saldívia in Gayana, Bot. 68(2): 317. 2011 syn. sec. Kew WCVP (2019)

***Eriosyce paucicostata* (F.Ritter) Ferryman in *Cactaceae Syst. Init.* 16: 11. 2003. Sec. Hunt (2016)**

- ≡ *Horridocactus paucicostatus* F.Ritter in *Succulenta (Netherlands)* 1959: 113. 1959 syn. sec. Hunt (2006) ≡ *Pyrrhocactus paucicostatus* (F.Ritter) F.Ritter in *Succulenta (Netherlands)* 1959: 131. 1959 syn. sec. Hunt (2006) ≡ *Neochilenia paucicostata* (F.Ritter) Backeb., *Cactaceae* 6: 3780. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria paucicostata* (F.Ritter) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Korotkova (2021) ≡ *Eriosyce taltalensis* subsp. *paucicostata* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Hunt (2006)

- = *Echinocactus fuscus* Muehlenpf. in Allg. Gartenzeitung 16: 10. 1848 syn. sec. Kew WCVP (2019) ≡ *Neoporteria fusca* (Muehlenpf.) Britton & Rose, Cactaceae 3: 99, f. 106. 1922 syn. sec. Hunt (2006) ≡ *Nichelia fusca* (Muehlenpf.) Bullock in Bull. Misc. Inform. Kew 1938: 298. 1938 syn. sec. Korotkova (2021) ≡ *Chilenia fusca* (Muehlenpf.) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia fusca* (Muehlenpf.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia fusca* (Muehlenpf.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 88. 1951 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus fuscus* (Muehlenpf.) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019)
- = *Echinocactus ebenacanthus* Monv. ex Labour., Monogr. Cact.: 253. 1853 syn. sec. Kew WCVP (2019) ≡ *Neoporteria ebenacantha* (Monv. ex Labour.) Borg, Cacti, ed. 1: 213. 1937 syn. sec. Kew WCVP (2019) ≡ *Chilenia ebenacantha* (Monv. ex Labour.) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia ebenacantha* (Monv. ex Labour.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia ebenacantha* (Monv. ex Labour.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 88. 1951 syn. sec. Kew WCVP (2019)
- = *Echinocactus ebenacanthus* var. *minor* Labour., Monogr. Cact.: 254. 1853 syn. sec. Kew WCVP (2019) ≡ *Neoporteria ebenacantha* var. *minor* (Labour.) Oehme in Kakteen And. Sukk. 1: 184. 1937 syn. sec. Kew WCVP (2019) ≡ *Neochilenia hankeana* var. *minor* (Labour.) Backeb., Cactaceae 3: 1809. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria hankeana* var. *minor* (Labour.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus hankeanus* C.F.Först., Handb. Cacteenk., ed. 2: 471. 1885 syn. sec. IPNI ≡ *Neochilenia hankeana* (C.F.Först.) Dölz in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Kew WCVP (2019) ≡ *Neoporteria hankeana* (C.F.Först.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Horridocactus paucicostatus* var. *viridis* F.Ritter in Succulenta (Netherlands) 1959: 113. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus paucicostatus* var. *viridis* (F.Ritter) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neochilenia paucicostata* var. *viridis* (F.Ritter) Backeb., Cactaceae 6: 3780. 1962 syn. sec. Kew WCVP (2019)
- = *Neochilenia hankeana* var. *taltalensis* Backeb., Cactaceae 3: 1809. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria hankeana* var. *taltalensis* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus neohankeanus* var. *densispinus* F.Ritter, Kakteen Südamerika 3: 960. 1980 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus neohankeanus* var. *elongatus* F.Ritter, Kakteen Südamerika 3: 960. 1980 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus neohankeanus* var. *flaviflorus* F.Ritter, Kakteen Südamerika 3: 960. 1980 syn. sec. Kew WCVP (2019)
- Eriosyce paucicostata* subsp. *echinus* (F.Ritter) Ferryman, Cact. Fl. Silv. Chile, ed. 2: 232. 2004. Sec. Hunt (2016)**
- ≡ *Pyrrhocactus echinus* F.Ritter in Taxon 12: 33. 1963 syn. sec. Hunt (2006) ≡ *Horridocactus echinus* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Hunt (2006) ≡ *Neoporteria curvispina* var. *echinus* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria paucicostata* var. *echinus* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 208. 1989 syn. sec. Kew WCVP (2019) ≡ *Neoporteria echinus* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 142. 1991 syn. sec. Hunt (2006) ≡ *Eriosyce taltalensis* subsp. *echinus* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Hunt (2006) ≡ *Eriosyce taltalensis* var. *echinus* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Hunt (2006) ≡ *Horridocactus paucicostatus* subsp. *echinus* (F.Ritter) Guiggi in Cactology 3: 8. 2012 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus echinus* var. *minor* F.Ritter in Taxon 12: 33. 1963 syn. sec. Kew WCVP (2019) ≡ *Horridocactus echinus* var. *minor* (F.Ritter) Backeb., Kakteenlex.: 190. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria curvispina* f. *minor* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus floccosus* var. *minor* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 939. 1980 syn. sec. Kew WCVP (2019)
- Eriosyce paucicostata* subsp. *floccosa* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003. Sec. Hunt (2016)**
- ≡ *Pyrrhocactus floccosus* F.Ritter in Taxon 12: 32. 1963 syn. sec. Hunt (2006) ≡ *Neochilenia floccosa* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Tropicos ≡ *Neoporteria paucicostata* var. *floccosa* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 208. 1989 syn. sec. Kew WCVP (2019) ≡ *Neoporteria echinus* var. *floccosa* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 242. 1991 syn. sec. Tropicos ≡ *Neoporteria floccosa* (F.Ritter) Lodé in Repert. Pl. Succ. 43: 15. 1992 syn. sec. Tropicos ≡ *Eriosyce taltalensis* var. *floccosa* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Kew WCVP (2019) ≡ *Horridocactus paucicostatus* subsp. *floccosus* (F.Ritter) Guiggi in Cactology 3: 8. 2012 syn. sec. Korotkova (2021)
- Eriosyce paucicostata* subsp. *paucicostata*. Sec. Hunt (2006)**
- Eriosyce recondita* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994. Sec. Hunt (2016)**
- ≡ *Pyrrhocactus reconditus* F.Ritter in Succulenta (Netherlands) 1962: 27. 1962 syn. sec. Hunt (2006) ≡ *Neochilenia recondita* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria recondita* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Hunt (2006)
- = *Pyrrhocactus aricensis* F.Ritter in Taxon 12: 32. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia aricensis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria aricensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus residuus* F.Ritter & Buining in Taxon 12: 33. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia residua* (F.Ritter & Buining) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria residua* (F.Ritter & Buining) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Korotkova (2021) ≡ *Neoporteria recondita* var. *residua* (F.Ritter & Buining) A.E.Hoffm., Cact. Fl. Silvestre Chile: 212. 1989 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus saxifragus* F.Ritter, Kakteen Südamerika 3: 970. 1980 syn. sec. Kew WCVP (2019) ≡ *Neoporteria aricensis* var. *saxifraga* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 176. 1989 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus vexatus* F.Ritter, Kakteen Südamerika 3: 981. 1980 syn. sec. Tropicos ≡ *Neoporteria recondita* var. *vexata* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 212. 1989 syn. sec. Kew WCVP (2019)

***Eriosyce riparia* (Mächler & Helmut Walter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 568. 2020.** Sec. Guerrero & al. (2019b)

≡ *Eriosyce napina* subsp. *riparia* Mächler & Helmut Walter in Cact. World 24: 142. 2006 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce napina* var. *riparia* (Mächler & Helmut Walter) Romulski in Kaktusy Inne 4: 131. 2007 syn. sec. Guerrero & al. (2019b) ≡ *Thelocephala riparia* (Mächler & Helmut Walter) Faúndez & Saldivia in Gayana, Bot. 68(2): 317. 2011 syn. sec. Guerrero & al. (2019b)

***Eriosyce rodentiophila* F.Ritter, Kakteen Südamerika 3: 916. 1980.** Sec. Hunt (2006)

= *Eriosyce megacarpa* F.Ritter, Kakteen Südamerika 3: 917. 1980 syn. sec. Hunt (2006) ≡ *Rodentiophila megacarpa* F.Ritter & Y.Itô in Itô, Cactaceae: 429. 1981 syn. sec. Kew WCVP (2019)

= *Eriosyce rodentiophila* var. *lanata* F.Ritter, Kakteen Südamerika 3: 917. 1980 syn. sec. Tropicicos

= *Rodentiophila atacamensis* F.Ritter & Y.Itô in Itô, Cactaceae: 429. 1981, nom. illeg. syn. sec. Kew WCVP (2019)

***Eriosyce senilis* (Backeb.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Hunt (2016)

≡ *Neoporteria senilis* (Phil.) Backeb., Kaktus-ABC: 262. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Echinocactus senilis* Phil. in Gartenflora 35: 485, tab. 1230 A. 1886, nom. illeg. syn. sec. Hunt (2006) ≡ *Neoporteria nidus* f. *senilis* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Kew WCVP (2019) ≡ *Eriosyce senilis* subsp. *senilis* syn. sec. Hunt (2006)

= *Neoporteria gerocephala* Y.Itô, Explan. Diagn. Austroechinocactinae: 211. 1957 syn. sec. Kew WCVP (2019) ≡ *Neoporteria nidus* var. *gerocephala* (Y.Itô) F.Ritter, Kakteen Südamerika 3: 1039. 1980 syn. sec. Kew WCVP (2019)

= *Neoporteria multicolor* F.Ritter in Taxon 12: 33. 1963 syn. sec. Tropicicos ≡ *Neoporteria nidus* var. *multicolor* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 164. 1989 syn. sec. Kew WCVP (2019)

= *Neoporteria nidus* var. *matancillana* F.Ritter, Kakteen Südamerika 3: 1039. 1980 syn. sec. Kew WCVP (2019)

– *Chilenia thiebautiana* Backeb., 10 Jahre Kakteenforschung: 20. 1937, nom. inval. syn. sec. Kew WCVP (2019)

***Eriosyce simulans* (F.Ritter) Katt. in Cactaceae Syst. Init. 12: 14. 2001.** Sec. Hunt (2006)

≡ *Pyrrhocactus simulans* F.Ritter in Succulenta (Netherlands) 1961: 35. 1961 syn. sec. Hunt (2006) ≡ *Neochilenia simulans* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria simulans* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021) ≡ *Eriosyce heinrichiana* subsp. *simulans* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994

***Eriosyce sociabilis* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Hunt (2006)

≡ *Neoporteria sociabilis* F.Ritter in Succulenta (Netherlands) 1963: 3. 1963 syn. sec. Hunt (2006) ≡ *Neoporteria sociabilis* var. *sociabilis*

= *Neoporteria sociabilis* var. *napina* F.Ritter in Succulenta (Netherlands) 1963: 3. 1963 syn. sec. Tropicicos

***Eriosyce spectabilis* Katt., Helmut Walter & J.C.Acosta in Cact. Succ. J. (Los Angeles) 83: 198. 2011.** Sec. Guerrero & al. (2019b)

***Eriosyce spinosior* (F.Ritter) P.C.Guerrero & Helmut Walter in Taxon 68(3): 567. 2020.** Sec. Guerrero & al. (2019b)

≡ *Pyrrhocactus jussieui* var. *spinosior* F.Ritter, Kakteen Südamerika 3: 952. 1980 syn. sec. Guerrero & al. (2019b)

= *Echinocactus jussieui* Monv. in Salm-Dyck, Cact. Hort. Dyck., 1849: 170. 1850 syn. sec. Guerrero & al. (2019b) ≡ *Echinocactus jussieui* Monv. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 34. 1850 syn. sec. Korotkova (2021) ≡ *Neoporteria jussieui* (Monv.) Britton & Rose, Cactaceae 3: 96–97, f. 107. 1922 syn. sec. Guerrero & al. (2019b) ≡ *Nichelia jussieui* (Monv.) Bullock in Bull. Misc. Inform. Kew 1938: 297. 1938 syn. sec. Korotkova (2021) ≡ *Chilenia jussieui* (Monv. ex Salm-Dyck) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Korotkova (2021) ≡ *Neochilenia jussieui* (Monv.) Backeb. in Cactaceae (Berlin) 1941(2): 76. 1942 syn. sec. Guerrero & al. (2019b) ≡ *Pyrrhocactus jussieui* (Monv.) F.Ritter, Kakteen Südamerika 3: 951. 1980 syn. sec. Guerrero & al. (2019b) – *Nichelia juasieui* (Monville) Bullock in Bull. Misc. Inform. Kew 1938: 297. 1938 syn. sec. TPL (2013) [is misspelling for *Nichelia jussieui* (Monv.) Bullock]

= *Echinocactus fobeanus* Mieckley in Monatsschr. Kakteenk. 17: 187. 1907 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria fobeana* (Mieckley) Backeb., Kaktus-ABC: 259. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Chilenia fobeana* (Mieckley) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia fobeana* (Mieckley) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia fobeana* (Mieckley) Backeb. in Repert. Spec. Nov. Regni Veg. 51: 50. 1942 syn. sec. Tropicicos ≡ *Neoporteria jussieui* var. *fobeana* (Mieckley) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Guerrero & al. (2019b)

= *Pyrrhocactus dimorphus* F.Ritter in Succulenta (Netherlands) 1962: 3. 1962 syn. sec. Guerrero & al. (2019b) ≡ *Neochilenia dimorpha* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Korotkova (2021) ≡ *Neoporteria dimorpha* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria jussieui* var. *dimorpha* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 200. 1989 syn. sec. Guerrero & al. (2019b)

= *Pyrrhocactus setosiflorus* F.Ritter in Succulenta (Netherlands) 1962: 70. 1962 syn. sec. Guerrero & al. (2019b) ≡ *Pyrrhocactus setosiflorus* Backeb., Cactaceae 6: 3745. 1962 syn. sec. Korotkova (2021) ≡ *Neochilenia setosiflora* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria setosiflora* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria jussieui* var. *setosiflora* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 200. 1989 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce setosiflora* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Korotkova (2021)

- = *Pyrrhocactus setosiflorus* var. *intermedius* F.Ritter in Succulenta (Netherlands) 1962: 70. 1962 syn. sec. Guerrero & al. (2019b) ≡ *Neochilenia setosiflora* var. *intermedia* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Guerrero & al. (2019b) ≡ *Neoporteria setosiflora* var. *intermedia* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 ≡ *Eriosyce heinrichiana* subsp. *intermedia* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b) ≡ *Eriosyce heinrichiana* var. *intermedia* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Korotkova (2021) ≡ *Eriosyce heinrichiana* var. *setosiflora* (F.Ritter) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 118. 1994 syn. sec. Guerrero & al. (2019b)
- = *Pyrrhocactus jussieui* var. *australis* F.Ritter, Kakteen Südamerika 3: 952. 1980 syn. sec. Guerrero & al. (2019b)
- *Neoporteria juasieui* Britton & Rose, Cactaceae 3: 96. 1922 syn. sec. Guerrero & al. (2019b) [is misspelling for *Neoporteria jussieui* (Monv.) Britton & Rose]

***Eriosyce strausiana* (K.Schum.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994. Sec. Hunt (2016)**

- ≡ *Echinocactus strausianus* K.Schum. in Monatsschr. Kakteenk. 11: 112. 1901 syn. sec. Hunt (2006) ≡ *Malacocarpus strausianus* (K.Schum.) Britton & Rose, Cactaceae 3: 201. 1922 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus strausianus* (K.Schum.) A.Berger, Kakteen: 345. 1929 syn. sec. Hunt (1999) ≡ *Neoporteria strausiana* (K.Schum.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021)
- = *Cereus catamarcensis* F.A.C.Weber, Dict. Hort.: 471. 1896 syn. sec. Britton & Rose (1920) ≡ *Echinopsis catamarcensis* F.A.C.Weber, Dict. Hort. 1: 471. 1896 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus catamarcensis* (F.A.C.Weber) Backeb., Kaktus-ABC: 262. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Neoporteria catamarcensis* (F.A.C.Weber) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus catamarcensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 500. 1905 syn. sec. Britton & Rose (1922) ≡ *Malacocarpus catamarcensis* (Speg.) Britton & Rose, Cactaceae 3: 197, f. 212. 1922 syn. sec. Hunt (2006)
- = *Echinocactus sanjuanensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 501. 1905 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus sanjuanensis* Speg. in Anales Soc. Ci. Argent. 99: 128. 1925 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus sanjuanensis* (Speg.) Backeb., Cactaceae 3: 1573. 1959 syn. sec. Tropicos ≡ *Neoporteria sanjuanensis* (Speg.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Tropicos ≡ *Pyrrhocactus strausianus* var. *sanjuanensis* (Speg.) J.G.Lamb. in Succulenta (Netherlands) 74: 36. 1995 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus vollianus* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Hunt (1999) ≡ *Neoporteria volliana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021)
- = *Pyrrhocactus vollianus* var. *breviaristatus* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria volliana* var. *breviaristata* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Neochilenia andreaeana* Backeb. in Kakteen And. Sukk. 10: 38. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus andreaeanus* (Backeb.) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria andreaeana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Acanthocalycium andreaeanum* (Backeb.) Donald in Ashingtonia 1: 125. 1975 syn. sec. Hunt (2016)
- = *Pyrrhocactus atrospinosus* Backeb., Descr. Cact. Nov. 3: 13. 1963 syn. sec. Hunt (1999)
- = *Pyrrhocactus setiflorus* Backeb., Descr. Cact. Nov. 3: 13. 1963 syn. sec. Hunt (1999) ≡ *Neoporteria setiflora* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021)
- = *Neoporteria backebergii* Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Hunt (2006)
- = *Pyrrhocactus platyacanthus* F.Ritter, Kakteen Südamerika 2: 420. 1980 syn. sec. Hunt (1999)
- = *Eriosyce andreaeana* Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Hunt (2006)
- = *Pyrrhocactus kattermannii* R.Kiesling in Monogr. Syst. Bot. Missouri Bot. Gard. 74: 1246. 1999 syn. sec. Kew WCVP (2019)
- = *Eriosyce multicolorispina* Janeba & Slaba in Kaktusy (Brno) 36(3): 69. 2000 syn. sec. Kew WCVP (2019)
- = *Eriosyce strausiana* subsp. *bisii* Halda, Kupčák & Sladk. in Acta Mus. Richnov., Sect. Nat., 9: 57. 2002 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus estherae* Damsma in Succulenta (Netherlands) 93: 62. 2014 syn. sec. Kew WCVP (2019)

***Eriosyce strausiana* subsp. *pachacoensis* (Rausch) Ferryman in Cactaceae Syst. Init. 16: 11. 2003. Sec. Hunt (2006)**

- ≡ *Pyrrhocactus pachacoensis* Rausch in Kakteen And. Sukk. 26(4): 73, f. 1975 syn. sec. Hunt (2006) ≡ *Eriosyce strausiana* var. *pachacoensis* (Rausch) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 117. 1994 syn. sec. Hunt (2006)

***Eriosyce strausiana* subsp. *strausiana*. Sec. Hunt (2006)**

***Eriosyce subgibbosa* (Haw.) Katt., Eriosyce (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Hunt (2016)**

- ≡ *Echinocactus subgibbosus* Haw. in Philos. Mag. Ann. Chem. 10: 419. 1831 syn. sec. Hunt (2006) ≡ *Neoporteria subgibbosa* (Haw.) Britton & Rose, Cactaceae 3: 97–98. 1922 syn. sec. Korotkova (2021) ≡ *Chilenia subgibbosa* (Haw.) Backeb., Kaktus-ABC: 301. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Eupoorteria subgibbosa* (Haw.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 201. 1941 syn. sec. Kew WCVP (2019)
- = *Cactus berteroi* Colla in Mem. Reale Accad. Sci. Torino 37: 77. 1834 syn. sec. Kew WCVP (2019) ≡ *Echinocactus berteroi* (Colla) Gay, Fl. Chil. 3: 15. 1848 syn. sec. Kew WCVP (2019) ≡ *Cumulopuntia berteroi* (Colla) F.Ritter, Kakteen Südamerika 3: 885. 1980 syn. sec. Hunt (2006) ≡ *Opuntia berteroi* (Colla) A.E.Hoffm., Cact. Fl. Silvestre Chile: 244. 1989 syn. sec. Kew WCVP (2019)
- = *Mammillaria gibbosa* Salm-Dyck, Hort. Dyck.: 343. 1834 syn. sec. Hunt (2016) ≡ *Cactus gibbosus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016)
- = *Echinocactus acutissimus* Otto & A.Dietr. in Allg. Gartenzeitung 3: 353. 1835 syn. sec. Kew WCVP (2019) ≡ *Chilenia acutissima* (Otto & A.Dietr.) Backeb., Kaktus-ABC: 300. 1936 ["1935"] syn. sec. Tropicos ≡ *Neoporteria acutissima* (Otto & A.Dietr.) Borg, Cacti, ed. 1: 214. 1937 syn. sec. Kew WCVP (2019)

- = *Cereus dichroacanthus* Mart. ex Pfeiff., Enum. Diagn. Cact.: 76. 1837 syn. sec. Britton & Rose (1922)
- = *Cereus foveolatus* J.N.Haage ex Pfeiff., Enum. Diagn. Cact.: 77. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus exsculptus* var. *foveolatus* (J.N.Haage ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 18. 1845 syn. sec. Kew WCVP (2019) ≡ *Echinocactus foveolatus* (J.N.Haage ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 33. 1850 syn. sec. Kew WCVP (2019)
- = *Cereus montevidensis* Pfeiff., Enum. Diagn. Cact.: 65. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus montevidensis* C.F.Först., Handb. Cacteenk.: 292. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus crenatus* Pfeiff., Enum. Diagn. Cact.: 181. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus exsculptus* Otto ex Pfeiff., Enum. Diagn. Cact.: 65. 1837 syn. sec. Kew WCVP (2019) ≡ *Neoporteria exsculpta* (Otto ex Pfeiff.) Borg, Cacti, ed. 2: 270. 1951 syn. sec. Kew WCVP (2019)
- = *Echinocactus guyanensis* Pfeiff., Enum. Diagn. Cact.: 181. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus gayanus* Lem., Cact. Gen. Sp. Nov.: 22. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus thrincogonos* Lem., Cact. Gen. Sp. Nov.: 22. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus thrincogonus* var. *elator* Lem., Cact. Gen. Sp. Nov.: 23. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria floribunda* Hook. in Curtis's Bot. Mag. 65: pl. 3647. 1839 syn. sec. Britton & Rose (1922) ≡ *Cactus floribundus* (Hook.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Kew WCVP (2019)
- = *Cereus hoffmannseggii* C.F.Först., Handb. Cacteenk.: 292. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus exsculptus* var. *elator* C.F.Först., Handb. Cacteenk.: 293. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus exsculptus* var. *fulvispinus* C.F.Först., Handb. Cacteenk.: 292. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus exsculptus* var. *tenuispinus* C.F.Först., Handb. Cacteenk.: 291. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus exsculptus* var. *thrincogonus* C.F.Först., Handb. Cacteenk.: 293. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus valparaiso* C.F.Först., Handb. Cacteenk.: 292. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus castaneoides* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 165. 1850 syn. sec. Kew WCVP (2019) ≡ *Chilenia castaneoides* (Cels ex Salm-Dyck) Backeb., Kaktus-ABC: 300. 1936 ["1935"] syn. sec. Tropicos ≡ *Neoporteria castaneoides* (Cels) Werderm. in Kakteenkunde & Kakteenfr. 1938: 64. 1938 syn. sec. Hunt (2006) ≡ *Euporteria castaneoides* (Cels) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 201. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* f. *castaneoides* (Cels ex Salm-Dyck) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Echinocactus rostratus* Jacobi in Allg. Gartenzeitung 24: 108. 1856 syn. sec. Kew WCVP (2019) ≡ *Chilenia rostrata* (Jacobi) Backeb. in Kakteenkunde 1939: 82. 1939 syn. sec. Kew WCVP (2019) ≡ *Hildmannia rostrata* (Jacobi) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 206. 1941 syn. sec. Kew WCVP (2019) ≡ *Neochilenia rostrata* (Jacobi) Backeb. in Cact. Succ. J. (Los Angeles) 23: 117. 1951 syn. sec. Kew WCVP (2019)
- = ?*Echinocactus acutissimus* var. *cristatus* C.F.Först., Handb. Cacteenk., ed. 2: 567. 1885 syn. sec. Britton & Rose (1922)
- = *Echinocactus exsculptus* var. *cristatus* C.F.Först., Handb. Cacteenk., ed. 2: 566. 1885 syn. sec. Britton & Rose (1922)
- = *Echinocactus hoffmannseggii* K.Schum., Gesamtbeschr. Kakt.: 426. 1898 syn. sec. Britton & Rose (1922)
- = *Chilenia heteracantha* Backeb., Kaktus-ABC: 300. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Euporteria heteracantha* (Backeb.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 202. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria heteracantha* (Backeb.) W.T.Marshall, Cact. Ill. Keys: 143. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* f. *heteracantha* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Chilenia subcylindrica* Backeb., Kaktus-ABC: 301. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Euporteria subcylindrica* (Backeb.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 202. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subcylindrica* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 119. 1951 syn. sec. Korotkova (2021) ≡ *Neoporteria subgibbosa* f. *subcylindrica* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019)
- = *Euporteria acutissima* (Otto & A.Dietr.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 201. 1941 syn. sec. Kew WCVP (2019)
- = *Euporteria nigrihorrida* (Backeb.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 202. 1941 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* var. *nigrihorrida* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019) – *Neoporteria clavata* var. *nigrihorrida* (Backeb.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 160. 1989, nom. inval. syn. sec. Kew WCVP (2019) – *Eriosyce clavata* subsp. *nigrihorrida* (Backeb. ex A.W.Hill) Helmut Walter in Bradleya 26: 92. 2008, nom. inval. syn. sec. Kew WCVP (2019)
- = *Neoporteria nigrihorrida* var. *minor* Backeb. in Cact. Succ. J. (Los Angeles) 23: 118. 1951 syn. sec. Kew WCVP (2019)
- = *Neoporteria microsperma* F.Ritter in Succulenta (Netherlands) 1963: 6. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* f. *microsperma* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria wagenknechtii* var. *microsperma* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 174. 1989 syn. sec. Kew WCVP (2019)
- = *Neoporteria litoralis* var. *intermedia* F.Ritter in Succulenta (Netherlands) 45: 130. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* var. *intermedia* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 168. 1989 syn. sec. Kew WCVP (2019)
- = *Neoporteria subgibbosa* var. *orientalis* F.Ritter in Succulenta (Netherlands) 45: 131. 1966 syn. sec. Kew WCVP (2019)
- = *Neoporteria microsperma* var. *graciana* F.Ritter, Kakteen Südamerika 3: 1036. 1980 syn. sec. Kew WCVP (2019)
- *Neoporteria subgibbosa* f. *serenana* (F.Ritter & Y.Itô) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966, nom. inval. syn. sec. Kew WCVP (2019) – *Neoporteria microsperma* var. *serenana* F.Ritter & Y.Itô in Itô, Cactaceae: 421. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Neoporteria litoralis* var. *robustispina* Y.Itô, Cactaceae: 422. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Neoporteria subgibbosa* var. *chionacantha* Y.Itô, Cactaceae: 418. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Eriosyce taltalensis* (Hutchison) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Guerrero & al. (2019b)

- ≡ *Neoporteria taltalensis* Hutchison in Cact. Succ. J. (Los Angeles) 27: 181, f. 167. 1955 syn. sec. Hunt (2006) ≡ *Neochilenia taltalensis* (Hutchison) Backeb., Cactaceae 3: 1812. 1959 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus taltalensis* (Hutchison) F.Ritter in Succulenta (Netherlands) 1959: 131. 1959 syn. sec. Tropicos
- = *Neochilenia eriocephala* Backeb., Cactaceae 3: 1830. 1959 syn. sec. Kew WCVP (2019) ≡ *Neoporteria eriocephala* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Hunt (2006)
- = *Neochilenia neofusca* Backeb., Cactaceae 3: 1810. 1959 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus gracilis* F.Ritter in Succulenta (Netherlands) 1961: 129. 1961 syn. sec. Kew WCVP (2019) ≡ *Neochilenia gracilis* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria calderana* f. *gracilis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 55. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria intermedia* f. *gracilis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989 syn. sec. Kew WCVP (2019)
- = *Delaetia woutersiana* Backeb., Cactaceae 6: 3788. 1962 syn. sec. Kew WCVP (2019) ≡ *Neoporteria woutersiana* (Backeb.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Kew WCVP (2019) – *Pyrrhocactus neohankeanus* f. *woutersianus* (Backeb.) F.Ritter, Kakteen Südamerika 3: 960. 1980, nom. inval.
- = *Pyrrhocactus scoparius* F.Ritter in Succulenta (Netherlands) 1962: 51. 1962 syn. sec. Kew WCVP (2019) ≡ *Neochilenia scoparia* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria scoparia* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021) – *Neoporteria intermedia* var. *scoparia* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989, nom. inval. syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus glaucescens* F.Ritter in Taxon 12: 33. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia glaucescens* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria eriocephala* var. *glaucescens* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019) ≡ *Neoporteria paucicostata* var. *glaucescens* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 208. 1989 syn. sec. Kew WCVP (2019) – *Neochilenia napina* var. *glaucescens* (F.Ritter) Y.Itô, Cactaceae: 460. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus intermedius* F.Ritter in Taxon 12: 32. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia intermedia* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria intermedia* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus rupicola* F.Ritter in Taxon 12: 32. 1963 syn. sec. Kew WCVP (2019) ≡ *Neochilenia rupicola* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria rupicola* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 syn. sec. Hunt (2006)
- = *Pyrrhocactus neohankeanus* F.Ritter, Kakteen Südamerika 3: 959. 1980 syn. sec. Kew WCVP (2019) ≡ *Neoporteria paucicostata* var. *neohankeana* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 208. 1989 syn. sec. Kew WCVP (2019) ≡ *Neoporteria neohankeana* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 145. 1991 syn. sec. Korotkova (2021)
- = *Pyrrhocactus pulchellus* F.Ritter, Kakteen Südamerika 3: 965. 1980 syn. sec. Tropicos ≡ *Neoporteria pulchella* (F.Ritter) Ferryman, Cacti Illustr. Dict.: 147. 1991 syn. sec. Korotkova (2021) – *Neoporteria intermedia* var. *pulchella* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989, nom. inval. syn. sec. Kew WCVP (2019)
- = *Pyrrhocactus tenuis* F.Ritter, Kakteen Südamerika 3: 976. 1980 syn. sec. Hunt (1999)
- = *Pyrrhocactus transiens* F.Ritter, Kakteen Südamerika 3: 977. 1980 syn. sec. Hunt (1999) ≡ *Neoporteria taltalensis* var. *transiens* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 216. 1989 syn. sec. Kew WCVP (2019)

***Eriosyce taltalensis* subsp. *pygmaea* (F.Ritter) Ferryman, Cact. Fl. Silv. Chile, ed. 2: 240. 2004.** Sec. Hunt (2006)

- ≡ *Pyrrhocactus pygmaeus* F.Ritter in Taxon 12: 32. 1963 syn. sec. Hunt (2006) ≡ *Neochilenia pygmaea* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 9. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria pilispina* f. *pygmaea* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 57. 1966 ≡ *Neoporteria intermedia* f. *pygmaea* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 194. 1989 ≡ *Eriosyce taltalensis* var. *pygmaea* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Hunt (2006) ≡ *Eriosyce pygmaea* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Kew WCVP (2019)

Eriosyce taltalensis* subsp. *taltalensis*.** Sec. Hunt (2006)Eriosyce tenebrica* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994.** Sec. Hunt (2006)

- ≡ *Thelocephala tenebrica* F.Ritter, Kakteen Südamerika 3: 1001. 1980 syn. sec. Hunt (2006) ≡ *Eriosyce napina* subsp. *tenebrica* (F.Ritter) Ferryman in Cactaceae Syst. Init. 16: 11. 2003 syn. sec. Hunt (2006) ≡ *Eriosyce napina* var. *tenebrica* (F.Ritter) Romulski in Kaktusy Inne 4: 131. 2007 syn. sec. Kew WCVP (2019)

***Eriosyce umadeave* (Frič ex Werderm.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994.** Sec. Hunt (2006)

- ≡ *Echinocactus umadeave* Frič ex Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 3: 223. 1931 syn. sec. Hunt (2006) ≡ *Friesia umadeave* Frič ex Kreuz. in Möller's Deutsche Gärt.-Zeitung 44: 253. 1929 syn. sec. Kew WCVP (2019) ≡ *Pyrrhocactus umadeave* (Frič ex Werderm.) Backeb., Kaktus-ABC: 264. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Neoporteria umadeave* (Frič ex Werderm.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Korotkova (2021)

***Eriosyce vallenarensis* (F.Ritter) Katt. in Cact. Succ. J. (Los Angeles) 90: 141. 2018.** Sec. Guerrero & al. (2019b)

- ≡ *Neoporteria vallenarensis* F.Ritter, Kakteen Südamerika 3: 1032. 1980 syn. sec. Guerrero (2021) ≡ *Pyrrhocactus vallenarensis* F.Ritter in Succulenta (Netherlands) 1959: 157. 1959 syn. sec. Guerrero (2021) ≡ *Horridocactus vallenarensis* (F.Ritter) Backeb., Cactaceae 6: 3798. 1962 syn. sec. Guerrero (2021) ≡ *Neoporteria curvispina* var. *vallenarensis* (F.Ritter) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 56. 1966 syn. sec. Guerrero (2021) ≡ *Neoporteria wagenknechtii* var. *vallenarensis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 174. 1989 syn. sec. Guerrero (2021) ≡ *Eriosyce subgibbosa* var. *vallenarensis* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Guerrero (2021) ≡ *Eriosyce subgibbosa* subsp. *vallenarensis* (F.Ritter) Katt. in Cactaceae Syst. Init. 12: 14. 2001 syn. sec. Guerrero (2021)

***Eriosyce villicumensis* (Rausch) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 117. 1994. Sec. Hunt (2006)**

- ≡ *Pyrrhocactus villicumensis* Rausch in *Kakteen And. Sukk.* 25(12): 268. 1974 syn. sec. Hunt (2006) ≡ *Neoporteria villicumensis* (Rausch) Donald in *Ashingtonia* 2(1): cppo [4]. 1976 syn. sec. Korotkova (2021)
 = *Pyrrhocactus melanacantha* Backeb., *Descr. Cact. Nov.* 3: 13. 1963 syn. sec. Kew WCVP (2019) ≡ *Neoporteria melanacantha* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 57. 1966 syn. sec. Tropicos
 = *Pyrrhocactus vertongenii* J.G.Lamb. in *Succulenta (Netherlands)* 74: 271. 1995 syn. sec. Hunt (2006) ≡ *Eriosyce vertongenii* (J.G.Lamb.) D.R.Hunt in *Cactaceae Consensus Init.* 3: 25. 1997 syn. sec. Hunt (2006)

***Eriosyce villosa* (Monv.) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Hunt (2016)**

- ≡ *Cactus villosus* Monv. in *Hort. Universel* 1: 223. 1839 syn. sec. Hunt (2006) ≡ *Echinocactus villosus* (Monv.) Labour., *Monogr. Cact.*: 239. 1853 syn. sec. Korotkova (2021) ≡ *Neoporteria villosa* (Monv.) A.Berger, *Kakteen.* 201. 1929 syn. sec. Korotkova (2021) ≡ *Bridgesia villosa* (Monv.) Backeb. in *Blätt. Kakteenf.* 1935(12): 2. 1935 syn. sec. Hunt (2006) ≡ *Chileniopsis villosa* (Monv.) Backeb., *Kaktus-ABC*: 284. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Euporteria villosa* (Monv.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 201. 1941 syn. sec. Kew WCVP (2019)
 = *Echinocactus polyraphis* Pfeiff. in *Förster, Handb. Cacteenk.*: 297. 1846 syn. sec. Britton & Rose (1922) ≡ *Echinocactus polyraphis* Pfeiff. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 33. 1850 syn. sec. Tropicos ≡ *Neoporteria polyraphis* (Pfeiff. ex Salm-Dyck) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 118. 1951 syn. sec. Tropicos ≡ *Bridgesia polyraphis* (Pfeiff. ex Salm-Dyck) Backeb. in *Blätt. Kakteenf.* 1935(12): 2. 1935 syn. sec. Kew WCVP (2019) ≡ *Chileniopsis polyraphis* (Pfeiff. ex Salm-Dyck) Backeb., *Kaktus-ABC*: 284. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria villosa* var. *polyraphis* (Pfeiff. ex Salm-Dyck) Borg syn. sec. Hunt (2006)
 = *Echinocactus villosus* var. *niger* A.Berger, *Kakteen.* 201. 1929 syn. sec. Kew WCVP (2019) ≡ *Chileniopsis villosa* var. *nigra* (A.Berger) Y.Itô, *Cacti*, ed. 2: 81. 1952 syn. sec. Kew WCVP (2019)
 = *Chilenia atrispinosa* Backeb. in *Blätt. Kakteenf.* 1938(3): 1. 1938 syn. sec. Korotkova (2021) ≡ *Neoporteria atrispinosa* (Backeb.) Backeb. in *Kakteenkunde* 1939: 81. 1939 syn. sec. Hunt (1999) ≡ *Euporteria atrispinosa* (Backeb.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 202. 1941 syn. sec. Kew WCVP (2019) – *Neoporteria villosa* var. *atriispinosa* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966, nom. inval. syn. sec. Kew WCVP (2019)
 = *Chilenia cephalophora* Backeb. in *Blätt. Kakteenf.* 1938(3): 2. 1938 syn. sec. Tropicos ≡ *Neoporteria cephalophora* (Backeb.) Backeb. in *Kakteenkunde* 1939: 81. 1939 syn. sec. Hunt (1999) ≡ *Euporteria cephalophora* (Backeb.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 202. 1941 syn. sec. Kew WCVP (2019) – *Neoporteria villosa* var. *cephalophora* (Backeb.) Donald & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 28: 58. 1966, nom. inval. syn. sec. Kew WCVP (2019)
 = *Neoporteria laniceps* F.Ritter in *Taxon* 12(1): 34. 1963 [as "*planiceps*"] ≡ *Neoporteria villosa* var. *laniceps* (F.Ritter) A.E.Hoffm., *Cact. Fl. Silvestre Chile*: 172. 1989 [as "*planiceps*"] syn. sec. Kew WCVP (2019) – *Neoporteria planiceps* F.Ritter in *Taxon* 12(1): 34. 1963 syn. sec. TPL (2013) [is orthographic variant for *Neoporteria laniceps* F.Ritter] – *Neoporteria villosa* var. *planiceps* (F.Ritter) A.E.Hoffm. [is orthographic variant for *Neoporteria villosa* var. *laniceps* (F.Ritter) A.E.Hoffm.]

***Eriosyce wagenknechtii* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994. Sec. Guerrero & al. (2019b)**

- ≡ *Neoporteria wagenknechtii* F.Ritter in *Succulenta (Netherlands)* 1963: 5. 1963 syn. sec. Guerrero (2021) ≡ *Eriosyce subgibbosa* var. *wagenknechtii* (F.Ritter) Katt., *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 119. 1994 syn. sec. Guerrero (2021) ≡ *Eriosyce subgibbosa* subsp. *wagenknechtii* Katt. in *Cactaceae Syst. Init.* 12: 14. 2001 syn. sec. Guerrero (2021)
 = *Neoporteria wagenknechtii* var. *napina* F.Ritter in *Succulenta (Netherlands)* 1963: 5. 1963 syn. sec. Guerrero (2021)

***Escobaria* Britton & Rose, *Cactaceae* 4: 53. 1923. Sec. Hunt (2006)**

Type: *Escobaria tuberculosa* (Engelm.) Britton & Rose

- = *Neobesseya* Britton & Rose, *Cactaceae* 4: 51. 1923 syn. sec. Hunt (2006). Type: *Neobesseya missouriensis* (Sweet) Britton & Rose
 = *Fobea* Frič ex Boed. in *Kakteenkunde* 1933: 155. 1933 syn. sec. Kew WCVP (2019)
 = *Escobeseya* Hester in *Desert Pl. Life* 17: 23. 1945 syn. sec. Kew WCVP (2019)
 = *Cochiseia* W.H.Earle in *Saguaroland Bull.* 30: 65. 1976 syn. sec. Hunt (2006). Type: *Cochiseia robbinsorum* W.H.Earle
 = *Escocoryphantha* Doweld in *Sukkulentny 1*(2): 10. 1999 syn. sec. Hunt (2006)

Notes. – See notes under *Mammillaria*. [Hernández-Ledesma & al. (2015)]

***Escobaria abdita* Řepka & Vaško in *Cact. Succ. J. (Los Angeles)* 83(6): 265. 2012. Sec. Hunt (2016)**

- ≡ *Neobesseya abdita* (Řepka & Vaško) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 6. 2013 syn. sec. Kew WCVP (2019)
 = *Escobaria abdita* subsp. *tenuispina* Perez Badillo, Delladdio & Raya Sanchez in *Piante Grasse* 36(4): 9. 2016 syn. sec. Kew WCVP (2019)

***Escobaria alversonii* (J.M.Coult.) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997. Sec. Hunt (2006)**

- ≡ *Cactus radiosus* var. *alversonii* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(2): 122. 1894 syn. sec. Hunt (2006) ≡ *Mammillaria alversonii* (J.M.Coult.) Zeiss. in *Monatsschr. Kakteenk.* 5: 70. 1895 syn. sec. Tropicos ≡ *Mammillaria radiosa* var. *alversonii* (J.M.Coult.) K.Schum., *Gesamtbeschr. Kakt.*: 481. 1898 syn. sec. Kew WCVP (2019) ≡ *Coryphantha alversonii* (J.M.Coult.) Orcutt in *Cactography* 3. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria vivipara* var. *alversonii* (J.M.Coult.) L.D.Benson, *Cacti Ariz.*, ed. 2: 118. 1950 syn. sec. Tropicos ≡ *Coryphantha vivipara* var. *alversonii* (J.M.Coult.) L.D.Benson, *Cacti Ariz.*, ed. 3: 26. 1969 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *alversonii* (J.M.Coult.) D.R.Hunt in *Cact. Succ. J. Gr. Brit.* 40: 13. 1978 syn. sec. Kew WCVP (2019) ≡ *Mammillaria arizonica* var. *alversonii* (J.M.Coult.) Davidson & Moxley syn. sec. Tropicos

***Escobaria chihuahuensis* Britton & Rose, Cactaceae 4: 55. 1923.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Coryphantha chihuahuensis* (Britton & Rose) A.Berger, Kakteen: 339. 1929 syn. sec. Kew WCVP (2019) ≡ *Escocoryphantha chihuahuensis* (Britton & Rose) Doweld in Sukkulenty 2: 10. 1999 syn. sec. Kew WCVP (2019)
- = *Mammillaria strobiliformis* Scheer ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 104-105. 1850 syn. sec. IPNI ≡ *Cactus strobiliformis* (Sheer) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Echinocactus strobiliformis* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Kew WCVP (2019) ≡ *Coryphantha strobiliformis* (Poselg.) Moran in Gentes Herbarum 8: 318. 1953 syn. sec. Kew WCVP (2019)
- = *Mammillaria tuberculata* Engelm., Syn. Cact. U.S.: 12. 1856 syn. sec. Hunt (2006) ≡ *Cactus tuberosus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria strobiliformis* var. *caespititia* Quehl in Monatsschr. Kakteenk. 19: 173. 1909 syn. sec. Kew WCVP (2019) ≡ *Mammillaria strobiliformis* f. *caespititia* (Quehl) Schelle, Kakteen: 285. 1926 syn. sec. Kew WCVP (2019)

Escobaria chihuahuensis* subsp. *chihuahuensis*.** Sec. Hunt (2006)Escobaria chihuahuensis* subsp. *henricksonii* (Glass & R.A.Foster) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998.** Sec. Hunt (2006)

- ≡ *Escobaria henricksonii* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49(4): 195–196. 1977 syn. sec. Hunt (2006) ≡ *Coryphantha henricksonii* (Glass & R.A.Foster) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 51: 125. 1979 syn. sec. Hunt (2006) ≡ *Escocoryphantha henricksonii* (Glass & R.A.Foster) Doweld in Sukkulenty 2(2): 10. 1999 syn. sec. Hunt (2006)

***Escobaria cubensis* (Britton & Rose) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40(1): 13. 1978.** Sec. Hunt (2006)

- ≡ *Coryphantha cubensis* Britton & Rose in Torreya 12: 15. 1912 syn. sec. Hunt (2006) ≡ *Neobesseya cubensis* (Britton & Rose) Hester in Desert Pl. Life 13: 192. 1941 syn. sec. Kew WCVP (2019)

***Escobaria dasyacantha* (Engelm.) Britton & Rose, Cactaceae 4: 55. 1923.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Mammillaria dasyacantha* Engelm. in Proc. Amer. Acad. Arts 3: 268-269. 1856 syn. sec. Hunt (2006) ≡ *Cactus dasyacanthus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Hunt (2006) ≡ *Coryphantha dasyacantha* (Engelm.) Orcutt, Circular to Cactus Fanciers, p.i: 1. 1922 syn. sec. Kew WCVP (2019) ≡ *Escobesseyia dasyacantha* (Engelm.) Hester in Desert Pl. Life 17: 25. 1945 syn. sec. Kew WCVP (2019) ≡ *Neobesseya dasyacantha* (Engelm.) Lodé in Cact.-Avent. Int. 98(Suppl.): 6. 2013 syn. sec. Kew WCVP (2019)
- = *Mammillaria chlorantha* Engelm. in Rep. U.S. Geogr. Surv., Wheeler 6: 127. 1878 syn. sec. Parfitt & Gibson (2003) ≡ *Cactus radiosus* var. *chloranthus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 121. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radiososa* f. *chlorantha* (Engelm.) Schelle, Handb. Kakteenkult.: 235. 1907 syn. sec. Kew WCVP (2019) ≡ *Coryphantha chlorantha* (Engelm.) Britton & Rose, Cactaceae 4: 43. 1923 syn. sec. Kew WCVP (2019) ≡ *Mammillaria vivipara* var. *chlorantha* (Engelm.) L.D.Benson, Cacti Ariz., ed. 2: 117. 1950 syn. sec. Kew WCVP (2019) ≡ *Escobaria chlorantha* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 syn. sec. Kew WCVP (2019)
- = *Coryphantha vivipara* var. *kaibabensis* P.C.Fisch. in Cact. Succ. J. (Los Angeles) 51: 287. 1979 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *kaibabensis* (P.C.Fisch.) N.P.Taylor in Kakteen And. Sukk. 34: 139. 1983 syn. sec. Kew WCVP (2019)
- = *Coryphantha vivipara* var. *buoflama* P.C.Fisch. in Cact. Succ. J. (Los Angeles) 52: 28. 1980 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *buoflama* (P.C.Fisch.) N.P.Taylor in Kakteen And. Sukk. 34: 140. 1983

***Escobaria dasyacantha* subsp. *chaffeyi* (Britton & Rose) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998.** Sec. Hunt (2006)

- ≡ *Escobaria chaffeyi* Britton & Rose, Cactaceae 4: 56. 1923 syn. sec. Hunt (2006) ≡ *Coryphantha chaffeyi* (Britton & Rose) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Kew WCVP (2019) ≡ *Mammillaria chaffeyi* (Britton & Rose) Backeb., Neue Kakteen: 16. 1931 syn. sec. Kew WCVP (2019) ≡ *Escobaria dasyacantha* var. *chaffeyi* (Britton & Rose) N.P.Taylor in Kakteen And. Sukk. 34: 157. 1983 syn. sec. Hunt (2006) ≡ *Neobesseya dasyacantha* subsp. *chaffeyi* (Britton & Rose) Lodé in Cact.-Avent. Int. 98(Suppl.): 6. 2013 syn. sec. Korotkova (2021)
- = *Escobaria fobei* Frič ex A.Berger, Kakteen: 280. 1929 syn. sec. Kew WCVP (2019)

Escobaria dasyacantha* subsp. *dasyacantha*.** Sec. Guzmán Cruz & al. (2003)Escobaria duncanii* (Hester) Buxb. in Krainz, Kakteen 14: CVIIIc. 1960.** Sec. Hunt (2006)

- ≡ *Escobesseyia duncanii* Hester in Desert Pl. Life 13: 192. 1941 syn. sec. Hunt (2006) ≡ *Escobaria duncanii* (Hester) Backeb., Cactaceae 5: 2966. 1961 syn. sec. Hunt (2006) ≡ *Coryphantha duncanii* (Hester) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 189. 1969 syn. sec. Kew WCVP (2019) ≡ *Escobaria dasyacantha* var. *duncanii* (Hester) N.P.Taylor in Kakteen And. Sukk. 34: 157. 1983 syn. sec. Hunt (2006) ≡ *Neobesseya duncanii* (Hester) Lodé in Cact.-Avent. Int. 98(Suppl.): 6. 2013 syn. sec. Korotkova (2021)

***Escobaria emskoetteriana* (Quehl) Borg, Cacti, ed. 1: 304. 1937.** Sec. Hunt (2006)

- ≡ *Mammillaria emskoetteriana* Quehl in Monatsschr. Kakteenk. 20: 139. 1910 syn. sec. Hunt (2006) ≡ *Coryphantha emskoetteriana* (Quehl) A.Berger, Kakteen: 339. 1929 syn. sec. Kew WCVP (2019) ≡ *Neobesseya emskoetteriana* (Quehl) Lodé in Cact.-Avent. Int. 98(Suppl.): 6. 2013 syn. sec. Korotkova (2021)
- = *Escobaria bella* Britton & Rose, Cactaceae 4: 56. 1923 syn. sec. Hunt (2006) ≡ *Coryphantha bella* (Britton & Rose) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Kew WCVP (2019)
- = *Escobaria runyonii* Britton & Rose, Cactaceae 4: 55. 1923 syn. sec. Hunt (2006)
- = *Coryphantha muehlbaueriana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 241. 1929 syn. sec. Hunt (2006) ≡ *Escobaria muehlbaueriana* (Boed.) F.M.Knuth, Kaktus-ABC: 380. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Neobesseya muehlbaueriana* Boed., Mammill.-Vergl.-Schlüssel: 15. 1933 syn. sec. Kew WCVP (2019)

- = *Coryphantha robertii* A.Berger, Kakteen: 280. 1929
 = *Mammillaria escobaria* Cory in Rhodora 38: 405. 1936 syn. sec. Kew WCVP (2019)
***Escobaria hesteri* (Y.Wright) Buxb. in Oesterr. Bot. Z. 98: 78. 1951.** Sec. Hunt (2006)
 ≡ *Coryphantha hesteri* Y.Wright in Cact. Succ. J. (Los Angeles) 4(5): 274. 1932 syn. sec. Hunt (2006)
***Escobaria hesteri* subsp. *grata* (Kaplan, Kunte & Snicer) Lüthy & Dicht in Cact. World 25: 175. 2007.** Sec. Kew WCVP (2019)
 ≡ *Escobaria grata* Kaplan, Kunte & Snicer in Kaktusy (Brno) 37(2): 37. 2001 syn. sec. Kew WCVP (2019)
Escobaria hesteri* subsp. *hesteri
***Escobaria laredoi* (Glass & R.A.Foster) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 20. 1979.** Sec. Hunt (2006)
 ≡ *Coryphantha laredoi* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 50: 235. 1978 syn. sec. Hunt (2006)
***Escobaria lloydii* Britton & Rose, Cactaceae 4: 57. 1923.** Sec. Hunt (2006)
 ≡ *Coryphantha lloydii* (Britton & Rose) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Kew WCVP (2019) ≡ *Neobesseya lloydii* (Britton & Rose) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013 syn. sec. Hunt (2006)
***Escobaria minima* (Baird) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 30. 1978.** Sec. Hunt (2006)
 ≡ *Coryphantha minima* Baird in Amer. Bot. (Binghamton) 37: 150–151. 1931 syn. sec. Hunt (2006) ≡ *Neobesseya minima* (Baird) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013 syn. sec. Korotkova (2021)
 = *Coryphantha nellieae* Croizat in Torreya 34: 15. 1934 syn. sec. Hunt (2006) ≡ *Mammillaria nellieae* (Croizat) Croizat in Cact. Succ. J. (Los Angeles) 14: 34. 1942 syn. sec. Hunt (2006) ≡ *Escobaria nellieae* (Croizat) Backeb., Cactaceae 5: 2967. 1961 syn. sec. Hunt (2006)
***Escobaria missouriensis* (Sweet) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978.** Sec. Hunt (2006)
 ≡ *Mammillaria missouriensis* Sweet, Hort. Brit.: 171. 1826 syn. sec. Hunt (2006) ≡ *Cactus missouriensis* (Sweet) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Hunt (2006) ≡ *Mammillaria missouriensis* Sweet ex K.Schum., Gesamtbeschr. Kakt.: 498. 1898 syn. sec. Korotkova (2021) ≡ *Coryphantha missouriensis* (Sweet) Britton & Rose, Ill. Fl. N. U.S., ed. 2, 2: 570. 1913 syn. sec. Kew WCVP (2019) ≡ *Neobesseya missouriensis* (Sweet) Britton & Rose, Cactaceae 4: 53. 1923 syn. sec. Hunt (2006) ≡ *Neomammillaria missouriensis* (Sweet) Britton & Rose ex Rydb., Fl. Plains N. Amer.: 561. 1932 syn. sec. Hunt (2006)
 = *Cactus mammillaris* Nutt. in Gen. N. Amer. Pl. 1: 295. 1818 syn. sec. Britton & Rose (1923)
 = *Mammillaria similis* Engelm. in Boston J. Nat. Hist. 5(2): 246. 1845 syn. sec. Tropicos ≡ *Echinocactus similis* (Engelm.) Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Tropicos ≡ *Cactus similis* (Engelm.) Small, Fl. S.E. U.S.: 812. 1903 syn. sec. Kew WCVP (2019) ≡ *Coryphantha similis* (Engelm.) Britton & Rose, Ill. Fl. N. U.S., ed. 2: 571. 1913 syn. sec. Kew WCVP (2019) ≡ *Neobesseya similis* (Engelm.) Britton & Rose, Cactaceae 4: 52. 1923 syn. sec. Hunt (2006) ≡ *Escobaria missouriensis* var. *similis* (Engelm.) N.P.Taylor in Kakteen And. Sukk. 34: 184. 1983 syn. sec. Kew WCVP (2019) ≡ *Cactus missouriensis* var. *similis* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 111. 1894 syn. sec. Hunt (2006) ≡ *Neobesseya missouriensis* subsp. *similis* (Engelm.) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Kew WCVP (2019)
 = *Mammillaria nuttallii* Engelm. in Mem. Amer. Acad. Arts n.s., 4: 49. 1849 syn. sec. Kew WCVP (2019)
 = *Mammillaria similis* var. *caespitosa* Engelm. in Boston J. Nat. Hist. 6(2): 200. 1850 syn. sec. Tropicos ≡ *Coryphantha missouriensis* var. *caespitosa* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 189. 1969 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nuttallii* var. *caespitosa* Engelm. in Proc. Amer. Acad. Arts 3: 265. 1856 syn. sec. Tropicos ≡ *Mammillaria missouriensis* var. *caespitosa* (Engelm.) S.Watson in Smithsonian Misc. Collect. 258: 403. 1878 syn. sec. Tropicos ≡ *Escobaria missouriensis* var. *caespitosa* (Engelm.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Kew WCVP (2019)
 = *Mammillaria similis* var. *robustior* Engelm. in Boston J. Nat. Hist. 6: 200. 1850 syn. sec. Tropicos ≡ *Mammillaria nuttallii* var. *robustior* (Engelm.) Engelm. & J.M.Bigelow in Pacif. Railr. Rep. 4: 28. 1856 syn. sec. Tropicos ≡ *Mammillaria missouriensis* var. *robustior* (Engelm.) S.Watson, Bibl. Index N. Amer. Bot.: 440. 1878 syn. sec. Tropicos ≡ *Cactus missouriensis* var. *robustior* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 111. 1894 ≡ *Coryphantha missouriensis* var. *robustior* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 190. 1969 syn. sec. Hunt (2006) ≡ *Escobaria missouriensis* var. *robustior* (Engelm.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Kew WCVP (2019)
 = *Mammillaria nuttallii* var. *borealis* Engelm. in Proc. Amer. Acad. Arts 3: 264. 1856 syn. sec. Kew WCVP (2019)
 = *Coryphantha nuttallii* Engelm. ex C.F.Först., Handb. Cacteenk., ed. 2: 407. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria missouriensis* var. *nuttallii* (Engelm.) Schelle, Handb. Kakteenkult.: 241. 1907 syn. sec. Kew WCVP (2019) ≡ *Neobesseya nuttallii* Boed., Mammill.-Vergl.-Schlüssel: 15. 1933 syn. sec. Kew WCVP (2019) ≡ *Neobesseya nuttallii* (Engelm.) Borg, Cacti, ed. 1: 303. 1937 syn. sec. Korotkova (2021)
 = *Mammillaria notesteinii* Britton in Bull. Torrey Bot. Club 18(12): 367. 1891 syn. sec. Tropicos ≡ *Cactus notesteinii* (Britton) Rydb. in Mem. New York Bot. Gard. 1: 272. 1900 syn. sec. Kew WCVP (2019) ≡ *Neobesseya notesteinii* (Britton) Britton & Rose, Cactaceae 4: 53. 1923 syn. sec. Tropicos
 = *Mammillaria wissmannii* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 498. 1898 syn. sec. Kew WCVP (2019) ≡ *Neobesseya wissmannii* (Hildm. ex K.Schum.) Britton & Rose, Cactaceae 4: 52. 1923 syn. sec. Kew WCVP (2019) ≡ *Coryphantha wissmannii* (Hildm. ex K.Schum.) A.Berger, Kakteen: 278. 1929 syn. sec. Kew WCVP (2019)
 = *Coryphantha marstonii* Clover in Bull. Torrey Bot. Club 65: 412. 1938 syn. sec. Kew WCVP (2019) ≡ *Coryphantha missouriensis* var. *marstonii* (Clover) L.D.Benson, Cacti Ariz., ed. 3: 26. 1969 syn. sec. Kew WCVP (2019) ≡ *Escobaria missouriensis* var. *marstonii* (Clover) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Kew WCVP (2019)

***Escobaria missouriensis* subsp. *asperispina* (Boed.) N.P.Taylor in *Kakteen And. Sukk.* 34(8): 184. 1983. Sec. Hunt (2006)**

≡ *Coryphantha asperispina* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 1: 192. 1929 syn. sec. Hunt (2006) ≡ *Neobesseyia asperispina* (Boed.) Boed., *Mammill.-Vergl.-Schluessel*: 14. 1933 syn. sec. Kew WCVP (2019) ≡ *Neobesseyia asperispina* (Boed.) Boed. ex Backeb. & F.M.Knuth, *Kaktus-ABC*: 379. 1936 ["1935"] syn. sec. Korotkova (2021) ≡ *Escobaria asperispina* (Boed.) D.R.Hunt in *Cact. Succ. J. Gr. Brit.* 40: 13. 1978 syn. sec. Hunt (2006) ≡ *Escobaria missouriensis* var. *asperispina* (Boed.) N.P.Taylor in *Kakteen And. Sukk.* 34: 185. 1983 syn. sec. Hunt (2006) ≡ *Neobesseyia missouriensis* subsp. *asperispina* (Boed.) Lodé in *Cact.-Avent. Int.* 100: 30. 2013 syn. sec. Korotkova (2021)

***Escobaria missouriensis* subsp. *missouriensis*. Sec. Hunt (2006)**

= *Escobaria missouriensis* subsp. *navajoensis* Hochstätter in *Succulenta (Netherlands)* 75: 257. 1996 syn. sec. Hunt (2006)

***Escobaria robbinsorum* (W.H.Earle) D.R.Hunt in *Cact. Succ. J. Gr. Brit.* 40(1): 13. 1978. Sec. Hunt (2006)**

≡ *Cochiseia robbinsorum* W.H.Earle in *Saguaroland Bull.* 30(6): 65. 1976 syn. sec. Hunt (2006) ≡ *Coryphantha robbinsorum* (W.H.Earle) A.D.Zimmerman in *Cact. Succ. J. (Los Angeles)* 50: 294. 1978 syn. sec. Kew WCVP (2019) ≡ *Neobesseyia robbinsorum* (W.H.Earle) Doweld in *Sukkulenty* 3(1-2): 37. 2000

***Escobaria sneedii* Britton & Rose, *Cactaceae* 4: 56. 1923. Sec. Hunt (2006)**

≡ *Coryphantha sneedii* (Britton & Rose) A.Berger, *Kakteen*: 280. 1929 syn. sec. Kew WCVP (2019) ≡ *Mammillaria sneedii* (Britton & Rose) Cory in *Rhodora* 38(455): 407. 1936 syn. sec. Tropicos
 = *Escobaria albicolumnaria* Hester, *Desert Pl. Life* 13: 129. 1941 syn. sec. Kew WCVP (2019) ≡ *Coryphantha albicolumnaria* (Hester) Zimmerman in *Cact. Succ. J. (Los Angeles)* 44: 157. 1972 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* subsp. *albicolumnaria* (Hester) Lüthy in *Kakteen And. Sukk.* 50: 278. 1999 syn. sec. Kew WCVP (2019) ≡ *Coryphantha sneedii* var. *albicolumnaria* (Hester) A.D.Zimmerman, *Cacti Trans-Pecos*: 424. 2004 syn. sec. Kew WCVP (2019)
 = *Escobaria guadalupensis* S.Brack & K.D.Heil in *Cact. Succ. J. (Los Angeles)* 58: 165. 1986 syn. sec. Kew WCVP (2019) ≡ *Coryphantha sneedii* var. *guadalupensis* (S.Brack & K.D.Heil) A.D.Zimmerman, *Cacti Trans-Pecos*: 420. 2004 syn. sec. Kew WCVP (2019)

***Escobaria sneedii* subsp. *orcuttii* (Boed.) Lüthy in *Kakteen And. Sukk.* 50: 278. 1999. Sec. Hunt (2006)**

≡ *Escobaria orcuttii* Boed., *Mammillarien-Vergleichs-Schluessel*: 17. 1933 syn. sec. Hunt (2006) ≡ *Coryphantha sneedii* var. *orcuttii* (Boed.) Gorelick in *J. Bot. Res. Inst. Texas* 9: 28. 2015 syn. sec. Kew WCVP (2019) – *Escobaria sneedii* var. *orcuttii* (Boed.) Gorelick in *J. Bot. Res. Inst. Texas* 9: 28. 2015, nom. inval. syn. sec. Kew WCVP (2019)
 = *Neolloydia orcuttii* Rose ex Orcutt in *Deutsche Gärt.-Zeitung*: 142. 1926 syn. sec. Tropicos ≡ *Coryphantha strobiliformis* var. *orcuttii* (Rose ex Orcutt) L.D.Benson, *Cacti Ariz.*, ed. 3: 156. 1969 syn. sec. Kew WCVP (2019) ≡ *Coryphantha orcuttii* (Rose ex Orcutt) Zimmerman in *Cact. Succ. J. (Los Angeles)* 44: 156. 1972 syn. sec. Kew WCVP (2019)
 = *Coryphantha organensis* Zimmerman in *Cact. Succ. J. (Los Angeles)* 44: 114. 1972 syn. sec. Hunt (2006) ≡ *Escobaria organensis* (Zimmerman) Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 47: 60. 1975 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* subsp. *organensis* (Zimmerman) Lüthy in *Kakteen And. Sukk.* 50: 278. 1999 syn. sec. Hunt (2006)
 = *Escobaria orcuttii* var. *koenigii* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 47: 68. 1975 syn. sec. Kew WCVP (2019)
 = *Escobaria orcuttii* var. *macraxina* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 47: 66. 1975 syn. sec. Kew WCVP (2019)
 = *Escobaria sandbergii* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 47: 62. 1975 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* subsp. *sandbergii* (Castetter, P.Pierce & K.H.Schwer.) Lüthy in *Kakteen And. Sukk.* 50: 278. 1999 syn. sec. Hunt (2006)
 = *Escobaria villardii* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 47: 64. 1975 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* subsp. *villardii* (Castetter, P.Pierce & K.H.Schwer.) Lüthy in *Kakteen And. Sukk.* 50: 278. 1999 syn. sec. Hunt (2006)

***Escobaria sneedii* subsp. *sneedii*. Sec. Hunt (2006)**

= *Escobaria leei* Rose ex Boed., *Mammillarien-Vergleichs-Schluessel*: 17. 1933 syn. sec. Hunt (2006) ≡ *Coryphantha sneedii* var. *leei* (Rose) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 189. 1969 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* var. *leei* (Rose ex Boed.) D.R.Hunt in *Cact. Succ. J. Gr. Brit.* 40: 30. 1978 syn. sec. Hunt (2006) ≡ *Escobaria sneedii* subsp. *leei* (Rose ex Boed.) D.R.Hunt in *Cactaceae Consensus Init.* 4: 5. 1997 syn. sec. Hunt (2006)

***Escobaria tuberculosa* (Engelm.) Britton & Rose, *Cactaceae* 4: 54. 1923. Sec. Hunt (2006)**

≡ *Mammillaria tuberculosa* Engelm. in *Proc. Amer. Acad. Arts* 3: 268. 1856 syn. sec. Hunt (2006) ≡ *Coryphantha tuberculosa* (Engelm.) Orcutt, *Circular to Cactus Fanciers*, p.i: i. 1922 ≡ *Coryphantha tuberculosa* (Engelm.) A.Berger, *Kakteen*: 280. 1929 syn. sec. Kew WCVP (2019) ≡ *Escobaria tuberculosa* subsp. *tuberculosa*
 = *Mammillaria strobiliformis* Engelm. in *Mem. Tour N. Mexico*: 113. 1848 syn. sec. Tropicos
 = *Mammillaria strobiliformis* var. *durispina* Quehl in *Monatsschr. Kakteenk.* 17: 87. 1907 syn. sec. Tropicos ≡ *Mammillaria strobiliformis* f. *durispina* (Quehl) Schelle, *Kakteen*: 285. 1926 syn. sec. Korotkova (2021) ≡ *Escobaria tuberculosa* var. *durispina* (Quehl) Børgesen in *Borg, Cacti*: 304. 1937 syn. sec. Tropicos ≡ *Coryphantha strobiliformis* var. *durispina* (Quehl) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 189. 1969 ≡ *Escobaria strobiliformis* var. *durispina* (Quehl) Bravo in *Cact. Suc. Mex.* 27: 17. 1982 syn. sec. Tropicos
 = *Mammillaria strobiliformis* var. *pubescens* Quehl in *Monatsschr. Kakteenk.* 17: 87. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria strobiliformis* f. *pubescens* (Quehl) Schelle, *Kakteen*: 285. 1926 syn. sec. Kew WCVP (2019) ≡ *Escobaria tuberculosa* var. *pubescens* (Quehl) Y.Itô, *Cacti*, ed. 2: 113. 1952 syn. sec. Kew WCVP (2019)

- = *Mammillaria strobiliformis* var. *rufispina* Quehl in Monatsschr. Kakteenk. 17: 87. 1907 syn. sec. Tropicos ≡ *Mammillaria strobiliformis* f. *rufispina* (Quehl) Schelle, Kakteen: 285. 1926
- = *Coryphantha varicolor* Tiegel in Monatsschr. Deutsch. Kakteen-Ges. 3: 278. 1932 syn. sec. Hunt (2006) ≡ *Coryphantha dasyacantha* var. *varicolor* (Tiegel) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 189. 1969 syn. sec. Hunt (2006) ≡ *Escobaria dasyacantha* var. *varicolor* (Tiegel) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Hunt (2006) ≡ *Escobaria tuberculosa* var. *varicolor* (Tiegel) S.Brack & K.D.Heil in Cact. Succ. J. (Los Angeles) 60: 17. 1988 syn. sec. Hunt (2006) ≡ *Escobaria tuberculosa* subsp. *varicolor* (Tiegel) Lüthy in Kakteen And. Sukk. 50: 257. 1999 syn. sec. Hunt (2006) ≡ *Coryphantha tuberculosa* var. *varicolor* (Tiegel) A.D.Zimmerman, Cacti Trans-Pecos: 436. 2004 syn. sec. Hunt (2006) ≡ *Escobaria varicolor* Tiegel syn. sec. TPL (2013)
- = *Fobea viridiflora* Frič ex Boed. in Kakteenkunde 1933: 155. 1933 syn. sec. IPNI ≡ *Escobaria chaffeyi* f. *viridiflora* (Frič) Řiha in Kaktusy (Brno) 22(2): 25. 1986 syn. sec. WFO 2019
- = *Escobaria strobiliformis* subsp. *sisperai* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 35. 2000 syn. sec. Kew WCVP (2019)
- Escobaria vivipara* (Nutt.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951. Sec. Hunt (2016)**
- ≡ *Cactus viviparus* Nutt., Cat. Pl. Upper Louisiana: no. 22. 1813 syn. sec. Hunt (2006) ≡ *Mammillaria vivipara* (Nutt.) Haw., Suppl. Pl. Succ.: 72. 1819 syn. sec. Tropicos ≡ *Mammillaria radiosa* var. *vivipara* (Nutt.) Schelle, Handb. Kakteenkult.: 236. 1907 syn. sec. Tropicos ≡ *Coryphantha vivipara* (Nutt.) Britton & Rose, Ill. Fl. N. U.S., ed. 2: 571. 1913 syn. sec. Kew WCVP (2019) – *Coryphantha neovivipara* Y.Itô, Cactaceae: 556. 1981, comb. inval. syn. sec. Hunt (2006) [is replaced synonym for *Cactus viviparus* Nutt.]
- = *Mammillaria aggregata* Engelm., Emory, Mil. Recon.: 157. 1848 ≡ *Coryphantha aggregata* (Engelm.) Britton & Rose, Cactaceae 4: 47. 1923 ≡ *Mammillaria vivipara* var. *aggregata* (Engelm.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 262. 1944 syn. sec. Kew WCVP (2019) ≡ *Escobaria aggregata* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 ≡ *Coryphantha vivipara* var. *aggregata* (Engelm.) W.T.Marshall in Desert. Bot. Gard. Arizona, Sci. Bull. 1: 93. 1950 syn. sec. Kew WCVP (2019) – *Mammillaria aggregata* Engelm. ex S.Watson in Smithsonian Misc. Collect. 15: 398. 1878, nom. inval. – *Coryphantha neovivipara* var. *aggregata* (Engelm.) Y.Itô, Cactaceae: 556. 1981, nom. inval.
- = *Mammillaria radiosa* Engelm. in Boston J. Nat. Hist. 6(2): 196–197. 1850 syn. sec. Hunt (2006) ≡ *Neomammillaria radiosa* (Engelm.) Rydb. in Fl. Plains N. Amer.: 562. 1932 syn. sec. Korotkova (2021) ≡ *Coryphantha vivipara* var. *radiosa* (Engelm.) Backeb., Cactaceae 5: 2998. 1961 syn. sec. Hunt (2006) ≡ *Escobaria vivipara* var. *radiosa* (Engelm.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Hunt (2006) ≡ *Escobaria radiosa* (Engelm.) G.Frank syn. sec. Hunt (2006) ≡ *Mammillaria vivipara* var. *radiosa* Engelm. in Proc. Amer. Acad. Arts 3: 269. 1856 syn. sec. Tropicos ≡ *Mammillaria vivipara* subsp. *radiosa* Engelm., Rep. U.S. Mex. Bound. Cact.: 15. 1858 syn. sec. Tropicos ≡ *Coryphantha radiosa* (Engelm.) Rydb., Fl. Rocky Mts.: 581. 1917 syn. sec. Kew WCVP (2019) – *Coryphantha neovivipara* var. *radiosa* (Engelm.) Y.Itô, Cactaceae: 556. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Echinocactus radiosus* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Kew WCVP (2019)
- = *Echinocactus viviparus* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Tropicos
- = *Mammillaria vivipara* subvar. *neomexicana* Engelm. in Proc. Amer. Acad. Arts 3: 269. 1856 syn. sec. Hunt (2006) ≡ *Cactus radiosus* var. *neomexicanus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 120. 1894 syn. sec. Tropicos ≡ *Cactus neomexicanus* (Engelm.) Small, Fl. S.E. U.S.: 812. 1903 syn. sec. Hunt (2006) ≡ *Coryphantha neomexicana* (Engelm.) Britton & Rose, Cactaceae 4: 45. 1923 syn. sec. Hunt (2006) ≡ *Escobaria neomexicana* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 syn. sec. Hunt (2006) ≡ *Coryphantha vivipara* var. *neomexicana* (Engelm.) Backeb., Cactaceae 5: 2999. 1961 syn. sec. Hunt (2006) ≡ *Escobaria vivipara* var. *neomexicana* (Engelm.) Buxb. in Krainz, Kakteen 50-51: CVIIIc. 1972 syn. sec. Hunt (2006) – *Coryphantha neovivipara* var. *neomexicana* (Engelm.) Y.Itô, Cactaceae: 556. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria vivipara* var. *vera* Engelm. in Proc. Amer. Acad. Arts 3: 269. 1856 syn. sec. Kew WCVP (2019)
- = *Mammillaria arizonica* Engelm., Bot. California 1: 244. 1876 syn. sec. Tropicos ≡ *Cactus radiosus* var. *arizonicus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 121. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radiosa* var. *arizonica* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 481. 1898 syn. sec. Tropicos ≡ *Mammillaria radiosa* f. *arizonica* (Engelm.) Schelle, Handb. Kakteenkult.: 235. 1907 syn. sec. Kew WCVP (2019) ≡ *Coryphantha arizonica* (Engelm.) Britton & Rose, Cactaceae 4: 45. 1923 syn. sec. Kew WCVP (2019) ≡ *Mammillaria vivipara* var. *arizonica* (Engelm.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 263. 1944 syn. sec. Kew WCVP (2019) ≡ *Escobaria arizonica* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *arizonica* (Engelm.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Kew WCVP (2019) ≡ *Coryphantha vivipara* var. *arizonica* (Engelm.) W.T.Marshall in Desert. Bot. Gard. Arizona, Sci. Bull. 1: 94. 1950 syn. sec. Kew WCVP (2019) – *Coryphantha neovivipara* var. *arizonica* (Engelm.) Y.Itô, Cactaceae: 556. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria deserti* Engelm., Bot. California 2: 449. 1880 syn. sec. Hunt (2006) ≡ *Cactus radiosus* var. *deserti* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 121. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria radiosa* var. *deserti* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 481. 1898 syn. sec. Hunt (2006) ≡ *Mammillaria radiosa* f. *deserti* (Engelm.) Schelle, Handb. Kakteenkult.: 236. 1907 syn. sec. Kew WCVP (2019) ≡ *Coryphantha deserti* (Engelm.) Britton & Rose, Cactaceae 4: 46. 1923 syn. sec. Hunt (2006) ≡ *Mammillaria vivipara* var. *deserti* (Engelm.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 263. 1944 syn. sec. Kew WCVP (2019) ≡ *Coryphantha vivipara* var. *deserti* (Engelm.) W.T.Marshall in Desert. Bot. Gard. Arizona, Sci. Bull. 1: 94. 1950 syn. sec. Hunt (2006) ≡ *Escobaria deserti* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 syn. sec. Hunt (2006) ≡ *Coryphantha chlorantha* var. *deserti* (Engelm.) Backeb., Cactaceae 5: 3003. 1961 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *deserti* (Engelm.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Hunt (2006)
- = *Cactus radiosus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 120. 1894 syn. sec. Tropicos
- = *Mammillaria hirschtiana* F.Haage in Monatsschr. Kakteenk. 6: 127. 1896 syn. sec. Kew WCVP (2019)

- = *Mammillaria radiosa* var. *texensis* Schelle, Handb. Kakteenkult.: 236. 1907 syn. sec. Kew WCVP (2019)
 = *Mammillaria neomexicana* A.Nelson, New Man. Bot. Centr. Rocky Mt.: 327. 1909 syn. sec. Tropicos
 = *Coryphantha bisbeeana* Orcutt in Cactography 3. 1926 syn. sec. Hunt (2006) ≡ *Escobaria bisbeeana* (Orcutt) Borg, Cacti, ed. 1: 305. 1937 syn. sec. Hunt (2006) ≡ *Escobaria vivipara* var. *bisbeeana* (Orcutt) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Hunt (2006) ≡ *Coryphantha vivipara* var. *bisbeeana* (Orcutt) L.D.Benson, Cacti Ariz., ed. 3: 25. 1969 syn. sec. Kew WCVP (2019)
 = *Coryphantha columnaris* Lahman in Cact. Succ. J. (Los Angeles) 6: 27. 1934 syn. sec. Kew WCVP (2019)
 = *Coryphantha fragrans* Hester, Desert Pl. Life 13: 152. 1941 syn. sec. Kew WCVP (2019)
 = *Coryphantha rosea* Clokey in Madroño 7: 75. 1943 syn. sec. Kew WCVP (2019) ≡ *Escobaria vivipara* var. *rosea* (Clokey) D.R.Hunt in Cact. Succ. J. Gr. Brit. 40: 13. 1978 syn. sec. Kew WCVP (2019) ≡ *Coryphantha vivipara* var. *rosea* (Clokey) L.D.Benson, Cacti Ariz., ed. 3: 26. 1969 syn. sec. Kew WCVP (2019)
 = *Coryphantha oklahomensis* Lahman in Cact. Succ. J. (Los Angeles) 21: 165. 1949 syn. sec. Kew WCVP (2019) ≡ *Escobaria oklahomensis* (Lahman) Buxb. in Oesterr. Bot. Z. 98: 78. 1951 syn. sec. Kew WCVP (2019)
 = *Coryphantha alversonii* var. *exaltissima* Wiegand & Backeb. in Backeberg, Cactaceae 5: 3001. 1961 syn. sec. Kew WCVP (2019)
 = *Coryphantha vivipara* f. *sonorensis* P.C.Fisch. in Cact. Succ. J. (Los Angeles) 52: 191. 1980 syn. sec. WFO 2019

***Escobaria zilziana* (Boed.) Backeb., Cactaceae 5: 2957. 1961. Sec. Hunt (2006)**

- ≡ *Coryphantha zilziana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 233. 1930 syn. sec. Hunt (2006) ≡ *Neobesseyia zilziana* (Boed.) Boed., Mammill.-Vergl.-Schlüssel: 14. 1933 syn. sec. Kew WCVP (2019) ≡ *Neobesseyia zilziana* (Boed.) Boed. ex Backeb. & F.M.Knuth, Kaktus-ABC: 379. 1936 ["1935"] syn. sec. Korotkova (2021)
 = *Escobaria zilziana* subsp. *friicii* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 35. 2000 syn. sec. Kew WCVP (2019)

***Escontria* Rose in Contr. U.S. Natl. Herb. 10: 125. 1906. Sec. Hernández & Gómez-Hinostrosa (2011)**

Type: *Escontria chiotilla* (F.A.C.Weber ex K.Schum.) Rose

Notes. – **Phylogenetics:** Monotypic, endemic to southern Mexico. Sampled by Arias & al. 2005, Bárcenas & al. 2011 and Hernández-Hernández & al. 2011. The latter two studies show *E. chiotilla* resolved together with *Stenocereus* species, while Arias & al. found *E. chiotilla* in a polytomy with *Polaskia chichipe*, *Myrtillocactus* and *Stenocereus*, but not nested in any other genus. So, maintaining *Escontria* as a separate genus may be justified, but generic limits within that clade need further evaluation. [Korotkova & al. (2021)]

***Escontria chiotilla* (F.A.C.Weber ex K.Schum.) Rose in Contr. U.S. Natl. Herb. 10: 126, pl. 43. 1906. Sec. Hernández & Gómez-Hinostrosa (2011)**

- ≡ *Cereus chiotilla* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 83. 1897 syn. sec. Guzmán Cruz & al. (2003) ≡ *Myrtillocactus chiotilla* (F.A.C.Weber ex K.Schum.) P.V.Heath in Calyx 2(3): 105. 1992 syn. sec. Guzmán Cruz & al. (2003)
 = *Myrtillocactus chiotilla* f. *spiralis* P.V.Heath in Calyx 2: 105. 1992 syn. sec. Kew WCVP (2019)

***Espostoa* Britton & Rose, Cactaceae 2: 60. 1920. Sec. Hunt (2006)**

Type: *Espostoa lanata* (Kunth) Britton & Rose

- = *Binghamia* Britton & Rose, Cactaceae 2: 167. 1920 syn. sec. Hunt (2006). Type: *Binghamia melanostele* (Vaupel) Britton & Rose
 = *Pseudoespostoa* Backeb. in Blätt. Kakteenf. 1934(10): 1, gen. 104. 1934 syn. sec. Hunt (2006). Type: *Pseudoespostoa melanostele* (Vaupel) Backeb.
 = *Thrixanthocereus* Backeb. in Blätt. Kakteenf. 1937(8): Nachtr. 15. 1937 syn. sec. Hunt (2006). Type: *Thrixanthocereus blossfeldiorum* (Werderm.) Backeb.

***Espostoa blossfeldiorum* (Werderm.) Buxb. in Oesterr. Bot. Z. 106: 155. 1959. Sec. Hunt (2006)**

- ≡ *Cephalocereus blossfeldiorum* Werderm. in Kakteenkunde 1937: 4. 1937 syn. sec. Hunt (2006) ≡ *Cereus blossfeldiorum* (Werderm.) Backeb. in Blätt. Kakteenf. 1937(7): 8. 1937 syn. sec. Kew WCVP (2019) ≡ *Thrixanthocereus blossfeldiorum* (Werderm.) Backeb. in Blätt. Kakteenf. 1938(1): 2, gen. 98a, sp. 2. 1938 syn. sec. Hunt (2006) ≡ *Facheiroa blossfeldiorum* (Werderm.) W.T.Marshall in Marshall & Bock, Cactaceae: 102. 1941 syn. sec. Hunt (2006)

***Espostoa calva* F.Ritter, Kakteen Südamerika 4: 1432. 1981. Sec. Hunt (2006)**

***Espostoa cremnophila* Hoxey in Bradleya 32: 38. 2014. Sec. Hunt (2016)**

***Espostoa frutescens* Madsen, Fl. Ecuador 35: 36. 1989. Sec. Hunt (2016)**

- ≡ *Espostoa lanata* subsp. *frutescens* (Madsen) Guiggi in Cactology 5 (Suppl. II): 5. 2016 syn. sec. Korotkova (2021)

***Espostoa hylaea* F.Ritter in Taxon 13(4): 143. 1964. Sec. Hunt (2006)**

***Espostoa lanata* (Kunth) Britton & Rose, Cactaceae 2: 61–63, f. 87–91. 1920. Sec. Hunt (2006)**

- ≡ *Cactus lanatus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 68. 1823 syn. sec. Hunt (2006) ≡ *Cereus lanatus* (Kunth) DC., Prodr. 3: 464. 1828 syn. sec. Kew WCVP (2019) ≡ *Pilocereus lanatus* (Kunth) F.A.C.Weber, Dict. Hort.: 965. 1898 syn. sec. Britton & Rose (1920) ≡ *Cleistocactus lanatus* (Kunth) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 9. 1904 syn. sec. Kew WCVP (2019) ≡ *Oreocereus lanatus* (Kunth) Britton & Rose, Stand. Cycl. Hort. 4: 2404. 1916 syn. sec. Kew WCVP (2019)
 = *Pilocereus dautwitzii* F.Haage ex Anon. in Gard. Chron. 1873: 7. 1873 syn. sec. Hunt (2006) ≡ *Cereus dautwitzii* (F.Haage ex Anon.) Orcutt in W. Amer. Sci. 13: 63. 1902 syn. sec. Hunt (2006) ≡ *Cephalocereus dautwitzii* (F.Haage ex Anon.) Houghton, Cactus: 113. 1930 syn. sec. Hunt (2006) ≡ *Espostoa dautwitzii* (F.Haage ex Anon.) Borg, Cacti, ed. 1: 112. 1937 syn. sec. Hunt (2006)

- = *Pilocereus lanatus* var. *haagei* Jostmann in Monatschr. Kakteenk. 21: 25. 1911 syn. sec. Hunt (2006)
- = *Cereus sericatus* Backeb. in Monatschr. Deutsch. Kakteen-Ges. 3: 157. 1931 syn. sec. Hunt (2006) ≡ *Cereus lanatus* subsp. *sericatus* (Backeb.) Werderm. in Backeberg, Neue Kakteen: 71. 1931 syn. sec. Kew WCVP (2019) ≡ *Espostoa sericata* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 3: 131. 1932 syn. sec. Hunt (2006) ≡ *Espostoa lanata* var. *sericata* (Backeb.) Backeb., Cactaceae 4: 2529. 1960 syn. sec. Hunt (2006)
- = *Espostoa dautwitzii* Backeb. in Möller's Deutsche Gärtn.-Zeitung 46: 187, 207. 1931 syn. sec. Hunt (2006)
- = *Espostoa laticornua* var. *atroviolacea* Rauh & Backeb., Descr. Cact. Nov. 1: 35. 1957 ["1956"] syn. sec. Hunt (2006)
- = *Espostoa laticornua* var. *rubens* Rauh & Backeb., Descr. Cact. Nov. 1: 35. 1957 ["1956"] syn. sec. Hunt (2006)
- = *Espostoa lanata* subsp. *roseiflora* Madsen & Z.Aguirre in Nordic J. Bot. 23: 24. 2004 syn. sec. Kew WCVP (2019) ≡ *Espostoa lanata* f. *roseiflora* (Madsen & Z.Aguirre) Guiggi in Cactology 5 (Suppl. II): 5. 2016 syn. sec. Kew WCVP (2019)
- Espostoa lanata* subsp. *huanucoensis* (H.Johnson ex F.Ritter) G.J.Charles in Cactaceae Syst. Init. 14: 15. 2002.** Sec. Hunt (2006)
- ≡ *Espostoa huanucoensis* H.Johnson ex F.Ritter, Kakteen Südamerika 4: 1435. 1981 syn. sec. Hunt (2006)
- Espostoa lanata* subsp. *lanata*.** Sec. Hunt (2006)
- = *Espostoa laticornua* Rauh & Backeb., Descr. Cact. Nov. 1: 35. 1957 ["1956"] syn. sec. Hunt (2006)
- = *Espostoa procera* Rauh & Backeb., Descr. Cact. Nov. 1: 35. 1957 ["1956"] syn. sec. Hunt (2006)
- = *Espostoa ritteri* Buining in Succulenta (Netherlands) 1960: 25. 1960 syn. sec. Hunt (2006)
- Espostoa lanata* subsp. *lanianuligera* (F.Ritter) G.J.Charles in Cactaceae Syst. Init. 14: 15. 2002.** Sec. Hunt (2006)
- ≡ *Espostoa lanianuligera* F.Ritter, Kakteen Südamerika 4: 1443. 1981 syn. sec. Hunt (2006)
- Espostoa lanata* subsp. *ruficeps* (F.Ritter) G.J.Charles in Cactaceae Syst. Init. 14: 15. 2002.** Sec. Hunt (2006)
- ≡ *Espostoa ruficeps* F.Ritter, Kakteen Südamerika 4: 1448. 1981 syn. sec. Hunt (2006)
- Espostoa melanostele* (Vaupel) Borg, Cacti, ed. 1: 112. 1937.** Sec. Hunt (2006)
- ≡ *Cephalocereus melanostele* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 12–13. 1913 syn. sec. Hunt (2006) ≡ *Binghamia melanostele* (Vaupel) Britton & Rose, Cactaceae 2: 167. 1920 syn. sec. Hunt (2006) ≡ *Cereus melanostele* (Vaupel) A.Berger, Kakteen: 147, 338. 1929 syn. sec. Hunt (2006) ≡ *Cereus melanostele* (Vaupel) Werderm. in Backeberg, Neue Kakteen: 72. 1931 syn. sec. Hunt (2006) ≡ *Pseudoespostoa melanostele* (Vaupel) Backeb. in Kakteen-Freund 1: 52. 1933 syn. sec. Hunt (2006) ≡ *Echinopsis melanostele* (Vaupel) Molinari in Succulentopii@ 13: 19. 2015 syn. sec. Hunt (2006) ≡ *Haageocereus melanostele* (Vaupel) W.T.Marshall syn. sec. Hunt (2006)
- = *Pilocereus haagei* Poselg. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 665. 1886 syn. sec. Hunt (2006) ≡ *Espostoa haagei* (Poselg. ex Rümpler) Borg, Cacti, ed. 1: 112. 1937 syn. sec. Hunt (2006) ≡ *Espostoa haagei* (Poselg. ex Rümpler) F.Ritter, Kakteen Südamerika 4: 1433. 1981 syn. sec. Hunt (2006)
- = *Pseudoespostoa melanostele* var. *inermis* Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951 syn. sec. Hunt (2006) ≡ *Espostoa melanostele* f. *inermis* (Backeb.) Krainz, Kakteen 26: C Va. 1964 syn. sec. Hunt (2006)
- Espostoa melanostele* subsp. *melanostele*.** Sec. Hunt (2006)
- Espostoa melanostele* subsp. *nana* (F.Ritter) G.J.Charles in Cactaceae Syst. Init. 14: 15. 2002.** Sec. Hunt (2006)
- ≡ *Espostoa nana* F.Ritter in Taxon 13(4): 143. 1964 syn. sec. Hunt (2006) ≡ *Pseudoespostoa nana* (F.Ritter) Backeb., Kakteenlex.: 371. 1966 syn. sec. Hunt (2006)
- Espostoa mirabilis* F.Ritter in Taxon 13(4): 143. 1964.** Sec. Hunt (2006)
- = *Espostoa mirabilis* var. *primigena* F.Ritter in Taxon 13: 143. 1964 syn. sec. Hunt (2006)
- Espostoa senilis* (F.Ritter) N.P.Taylor in Cact. Succ. J. Gr. Brit. 40(2): 54. 1978.** Sec. Hunt (2006)
- ≡ *Thrixanthocereus senilis* F.Ritter in Kakteen And. Sukk. 12: 89. 1961 syn. sec. Hunt (2006)
- = *Thrixanthocereus cullmannianus* F.Ritter in Kakteen And. Sukk. 12: 118. 1961 syn. sec. Hunt (1999)
- = *Thrixanthocereus longispinus* F.Ritter, Kakteen Südamerika 4: 1484. 1981 syn. sec. Anderson (2005)
- Espostoa superba* F.Ritter in Kakteen And. Sukk. 6: 85–86. 1960.** Sec. Hunt (2006)
- Espostoa utcubambensis* G.J.Charles in Brit. Cact. Succ. J. 21(2): 69–74, f. 1–10. 2003.** Sec. Hunt (2006)
- ≡ *Espostoa calva* subsp. *utcubambensis* (G.J.Charles) Guiggi in Cactology 5 (Suppl. II): 1. 2016 syn. sec. Hunt (2006)

***Espostopsis* Buxb. in Krainz, Kakteen: 38-39, C Va. 1968.** Sec. Taylor & Zappi (2004)

Type: *Espostopsis dybowskii* (Rol.-Goss.) Buxb.

= *Gerocephalus* F.Ritter in Kakteen And. Sukk. 19: 156. 1968 syn. sec. Taylor & Zappi (2004)

Notes. – Monotypic genus, endemic to the caatinga of Bahia, SE Brazil. Hernández-Hernández & al. 2011 found *E. dybowskii* within an unsupported *Trichocereae* clade, as sister to *Rauhocereus* (no support), while Schlumpberger & Renner 2012 found *E. dybowskii* as sister to *Micranthocereus densiflorus* with 78% MLBS support. *Espostopsis* is therefore not closely related to the Andean genus *Espostoa*, a relationship that had been suggested earlier based on the strong morphological similarities of the two genera. [Korotkova & al. (2021)]

***Espostoopsis dybowskii* (Rol.-Goss.) Buxb. in Krainz, Kakteen 39: CVa. 1968.** Sec. Taylor & Zappi (2004)

≡ *Cereus dybowskii* Rol.-Goss. in Bull. Soc. Bot. France 55: 695. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus dybowskii* (Rol.-Goss.) Britton & Rose, Cactaceae 2: 30. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Austrocephalocereus dybowskii* (Rol.-Goss.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951 syn. sec. Taylor & Zappi (2004) ≡ *Austrocephalocereus dybowskii* (Rol.-Goss.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951 syn. sec. Taylor & Zappi (2004) ≡ *Gerocephalus dybowskii* (Rol.-Goss.) F.Ritter in Kakteen And. Sukk. 19: 156. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus dybowskii* (Rol.-Goss.) F.H.Brandt in Kakteen Orch. Rundschau 1981(5): 124. 1981 syn. sec. Taylor & Zappi (2004)

***Estevesia* P.J.Braun in Kakteen And. Sukk. 60(3): 64. 2009.** Sec. Franck (2021)

Type: *Estevesia alex-bragae* P.J.Braun & Esteves

Notes. – *Estevesia* P.J. Braun has not been included in any molecular study so far. It was provisionally placed in the synonymy of *Harrisia* by Nyffeler & Egli (2010).

The status of *Estevesia* was revisited by Franck (2016), stating: "*Estevesia* P.J. Braun had been erroneously synonymized with *Harrisia* (Nyffeler & Egli 2010; Hernández-Ledesma et al. 2015), but *Estevesia* is likely more related to *Cereus* s. str. and *Monvillea* Britton & Rose." However, this still needs to be confirmed by a phylogenetic study. [Franck (2021)]

***Estevesia alex-bragae* P.J.Braun & Esteves in Kakteen And. Sukk. 60: 64. 2009.** Sec. Franck (2021)

***Eulychnia* Phil., Fl. Atacam.: 23. 1860.** Sec. Larridon & al. (2018)

Type: *Eulychnia breviflora* Phil.

= *Philippicereus* Backeb. in Cactaceae (Berlin) 1941(2): 75. 1942 syn. sec. Larridon & al. (2018). Type: *Philippicereus castaneus* (Phil.) Backeb.

Notes. – **Phylogenetics:** Species boundaries and infrageneric relationships in *Eulychnia* have recently been comprehensively studied using six chloroplast markers (*rpl32-trnL*, *trnH-psbA*, *trnL-trnF*, *trnQ-rps16*, *trnS-trnG*, and *ycf1*) and a sampling covering the distribution range (Larridon et al. 2018). *Eulychnia* was confirmed as monophyletic and two major clades were retrieved in the molecular phylogenetic hypotheses, a northern clade and a southern clade, which both can also easily be distinguished morphologically. The results also supported accepting three further species *E. ritteri*, *E. chorosensis* and *E. taltalensis*, together with the recognition of the new species *E. vallenarensis*. [Guerrero (2021)]

***Eulychnia acida* Phil. in Linnaea 33: 80. 1864.** Sec. Larridon & al. (2018)

≡ *Cereus acidus* (Phil.) K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 22. 1903 syn. sec. Kew WCVP (2019)

***Eulychnia acida* var. *acida*.** Sec. Larridon & al. (2018)

***Eulychnia acida* var. *elata* F.Ritter, Kakteen Südamerika 3: 896. 1980.** Sec. Larridon & al. (2018)

***Eulychnia breviflora* Phil., Fl. Atacam.: 24. 1860.** Sec. Larridon & al. (2018)

= *Eulychnia procumbens* Backeb., Descr. Cact. Nov. 3: 6. 1963 syn. sec. Hunt (2006)

= *Eulychnia barquitenis* F.Ritter, Kakteen Südamerika 3: 899. 1980 syn. sec. Hunt (2006)

= *Cereus longispinus* Salm-Dyck in Allg. Gartenzeitung 13: 354. 1845 syn. sec. Guerrero (2021) ≡ *Eulychnia longispina* (Salm-Dyck) F.Ritter in Kakteen And. Sukk. 16: 212. 1965 syn. sec. Guerrero (2021)

= *Cereus chiloensis* var. *heteromorphus* K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Kew WCVP (2019)

= *Cereus coquimbanus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 23. 1903 syn. sec. Kew WCVP (2019)

***Eulychnia breviflora* var. *breviflora*.** Sec. Larridon & al. (2018)

***Eulychnia breviflora* var. *tenuis* F.Ritter, Kakteen Südamerika 3: 898. 1980.** Sec. Larridon & al. (2018)

***Eulychnia castanea* Phil. in Linnaea 33: 80. 1864.** Sec. Larridon & al. (2018)

≡ *Cereus castaneus* (Phil.) K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 22. 1903 ≡ *Philippicereus castaneus* (Phil.) Backeb. in Cactaceae (Berlin) 1941(2): 29. 1942

***Eulychnia chorosensis* P.Klaassen in Cact. Succ. J. (Los Angeles) 83(4): 172. 2011.** Sec. Larridon & al. (2018)

= *Eulychnia acida* var. *procumbens* F.Ritter, Kakteen Südamerika 3: 895. 1980 syn. sec. Larridon & al. (2018)

***Eulychnia iquiquensis* (K.Schum.) Britton & Rose, Cactaceae 2: 83. 1920.** Sec. Larridon & al. (2018)

≡ *Cereus iquiquensis* K.Schum. in Monatsschr. Kakteenk. 14: 99. 1904 ≡ *Eulychnia breviflora* subsp. *iquiquensis* (K.Schum.) D.R.Hunt in Cactaceae Syst. Init. 14: 16. 2002 ≡ *Eulychnia iquiquensis* subsp. *iquiquensis* syn. sec. Hunt (2006)

= *Eulychnia aricensis* F.Ritter in Taxon 13: 115. 1964 syn. sec. Hunt (2006)

= *Eulychnia iquiquensis* var. *pullilana* F.Ritter, Kakteen Südamerika 3: 901. 1980 syn. sec. Hunt (2006)

= *Eulychnia morromorenoensis* F.Ritter, Kakteen Südamerika 3: 901. 1980 syn. sec. Hunt (2006)

***Eulychnia ritteri* Cullmann in Kakteen And. Sukk. 9: 121. 1958.** Sec. Larridon & al. (2018)

≡ *Eulychnia breviflora* subsp. *ritteri* (Cullmann) D.R.Hunt in Cactaceae Syst. Init. 14: 16. 2002 syn. sec. Larridon & al. (2018) ≡ *Eulychnia iquiquensis* subsp. *ritteri* (Cullmann) D.R.Hunt in Cactaceae Syst. Init. 19: 13. 2005 syn. sec. Larridon & al. (2018)

***Eulychnia saint-pieana* F.Ritter in Taxon 13: 115. 1964.** Sec. Larridon & al. (2018)

≡ *Eulychnia saint-pieana* var. *barquitenis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 142. 1989 syn. sec. Larridon & al. (2018)

***Eulychnia taltalensis* (F.Ritter) Hoxey in Cact. Succ. J. (Los Angeles) 83(4): 169. 2011.** Sec. Larridon & al. (2018)

≡ *Eulychnia breviflora* var. *taltalensis* F.Ritter, Kakteen Südamerika 3: 898. 1980 syn. sec. Hunt (2006)

***Eulychnia vallenarensis* P.C.Guerrero & Helmut Walter in Phytotaxa 392(1): 89. 2019.** Sec. Guerrero & Walter (2019)

***Facheiroa* Britton & Rose, Cactaceae 2: 173. 1920.** Sec. Taylor & Zappi (2004)

Type: *Facheiroa pubiflora* Britton & Rose

= *Zehntnerella* Britton & Rose, Cactaceae 2: 176. 1920 syn. sec. Taylor & Zappi (2004). Type: *Zehntnerella squamulosa* (Gürke) Britton & Rose

Notes. – See Note under *Leocereus*. [Korotkova & al. (2021)]

***Facheiroa cephaliomelana* Buining & Brederoo in Kakteen And. Sukk. 26(6): 121–124, f. 1975.** Sec. Taylor & Zappi (2004)

= *Facheiroa pilosa* F.Ritter, Kakteen Südamerika 1: 219. 1979 syn. sec. Taylor & Zappi (2004)

= *Facheiroa tenebrosa* P.J.Braun & Esteves in Kakteen And. Sukk. 39: 131. 1988 syn. sec. Taylor & Zappi (2004)

***Facheiroa cephaliomelana* subsp. *cephaliomelana*.** Sec. Taylor & Zappi (2004)

***Facheiroa cephaliomelana* subsp. *estevesii* (P.J.Braun) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997.** Sec. Taylor & Zappi (2004)

≡ *Facheiroa estevesii* P.J.Braun in Kakteen And. Sukk. 37(4): 74–79. 1986 syn. sec. Taylor & Zappi (2004)

***Facheiroa squamosa* (Gürke) P.J.Braun & Esteves in Kakteen And. Sukk. 40: 199. 1989.** Sec. Taylor & Zappi (2004)

≡ *Cereus squamosus* Gürke in Monatsschr. Kakteenk. 18: 70. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Zehntnerella squamulosa* (Gürke) Britton & Rose, Cactaceae 2: 177. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus squamosus* (Gürke) Werderm., Bras. Säulenakt.: 98. 1933 syn. sec. Taylor & Zappi (2004)

= *Zehntnerella chaetacantha* F.Ritter, Kakteen Südamerika 1: 215. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Facheiroa chaetacantha* (F.Ritter) P.J.Braun & Esteves in Kakteen And. Sukk. 40: 202. 1989 syn. sec. Taylor & Zappi (2004)

= *Zehntnerella chaetacantha* var. *montealtoii* F.Ritter, Kakteen Südamerika 1: 215. 1979 syn. sec. Taylor & Zappi (2004) ≡

Facheiroa chaetacantha var. *montealtoii* (F.Ritter) P.J.Braun & Esteves in Kakteen And. Sukk. 40: 202. 1989 syn. sec. Taylor & Zappi (2004)

= *Zehntnerella polygona* F.Ritter, Kakteen Südamerika 1: 214. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Facheiroa squamosa* var. *polygona* (F.Ritter) P.J.Braun & Esteves in Kakteen And. Sukk. 40: 202. 1989 syn. sec. Taylor & Zappi (2004) ≡ *Facheiroa squamosa* subsp. *polygona* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 130. 1995 syn. sec. Taylor & Zappi (2004)

= *Facheiroa braunii* Esteves in Cact. Succ. J. (Los Angeles) 76: 126. 2004 syn. sec. Taylor & Zappi (2004)

– *Facheiroa deinacanthus* Rauh ex Innes & Glass, Illustrated Encyclopaedia of Cacti: 112. 1991, nom. inval. syn. sec. Taylor & Zappi (2004)

***Facheiroa ulei* (Gürke) Werderm., Bras. Säulenakt.: 113. 1933.** Sec. Taylor & Zappi (2004)

≡ *Cephalocereus ulei* Gürke in Monatsschr. Kakteenk. 18: 85. 1908 syn. sec. Taylor & Zappi (2004) – *Esposoa ulei* (Gürke) Buxb. in Oesterr. Bot. Z. 106: 155. 1959, nom. inval. syn. sec. Taylor & Zappi (2004)

= *Cephalocereus robustus* Britton & Rose, Cactaceae 2: 52. 1920 syn. sec. Kew WCVP (2019)

= *Facheiroa pubiflora* Britton & Rose, Cactaceae 2: 173. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Cereus pubiflorus* (Britton & Rose) Vaupel, Nat. Pflanzenfam., ed. 2, 21: 635. 1925 syn. sec. Kew WCVP (2019)

= *Cereus ulei* Luetzelb. in Estud. Bot. Nordéste 3: 111. 1926 syn. sec. Kew WCVP (2019)

***Ferocactus* Britton & Rose, Cactaceae 3: 123. 1922.** Sec. Hunt (2016)

Type: *Ferocactus wislizeni* (Engelm.) Britton & Rose

= *Bisnaga* Orcutt in Cactography 1. 1926 syn. sec. Hunt (2006). Type: *Bisnaga cornigera* (DC.) Orcutt

≡ *Ferocactus* sect. *Bisnaga* (Orcutt) N.P.Taylor & J.Y.Clark in Bradleya 1: 6. 1983

= *Brittonia* C.A.Armstr. in Cact. J. (Croydon) 2: 64. 1934 syn. sec. Kew WCVP (2019)

= *Glandulicactus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938 syn. sec. Hunt (2006). Type: *Glandulicactus uncinatus* (Galeotti ex Pfeiff.) Backeb.

= *Parrycactus* Doweld in Novosti Sist. Vyssh. Rast. 32: 117. 2000 syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** Vázquez-Sánchez & al. (2013) found *Ferocactus* in its current circumscription to be vastly polyphyletic, and the same is true for sect. *Bisnaga*. The *Ferocactus* clade found by Vázquez-Sánchez & al. (2013) also includes the genera *Leuchtenbergia*, *Glandulicactus*, *Stenocactus* and *Thelocactus*, corroborating the results of a much less dense sampling by Hernández-Hernández & al. (2011). The *Ferocactus* clade is morphologically characterized by pericarpels with scales and ribbed stems, and Vázquez-Sánchez & al. (2013) suggested expanding *Ferocactus* to embrace the genera just mentioned is the best taxonomic solution to make *Ferocactus* monophyletic, yet *Leuchtenbergia* is the oldest name of this assemblage and would have priority, unless the name *Ferocactus* is conserved. [Hernández-Ledesma & al. (2015)]

***Ferocactus alamosanus* (Britton & Rose) Britton & Rose, Cactaceae 3: 137, f. 145. 1922.** Sec. Hunt (2006)

≡ *Echinocactus alamosanus* Britton & Rose in Contr. U.S. Natl. Herb. 16: 239, t. 66. 1913 syn. sec. Hunt (2006) ≡ *Ferocactus pottsii* var. *alamosanus* (Britton & Rose) G.Unger in Kakteen And. Sukk. 22: 187. 1971 syn. sec. Guzmán Cruz & al. (2003) ≡ *Parrycactus alamosanus* (Britton & Rose) Doweld in Sukkulenty 3: 36. 2000 syn. sec. Kew WCVP (2019)

= *Ferocactus alamosanus* var. *platygonus* G.E.Linds. in Cact. Succ. J. (Los Angeles) 14: 139. 1942 syn. sec. Guzmán Cruz & al. (2003)

***Ferocactus alamosanus* subsp. *alamosanus*.** Sec. Hunt (2006)

***Ferocactus alamosanus* subsp. *reppenhagenii* (G.Unger) N.P.Taylor in *Cactaceae Consensus Init.* 6: 15. 1998.** Sec. Hunt (2006)

≡ *Ferocactus reppenhagenii* G.Unger in *Kakteen And. Sukk.* 25(3): 50. 1974 syn. sec. Hunt (2006) ≡ *Parrycactus reppenhagenii* (G.Unger) Doweld in *Novosti Sist. Vyssh. Rast.* 32: 118. 2000 syn. sec. Kew WCVP (2019) ≡ *Parrycactus alamosanus* subsp. *reppenhagenii* (G.Unger) Doweld in *Sukkulenty* 3: 36. 2000

***Ferocactus chrysacanthus* (Orcutt) Britton & Rose, *Cactaceae* 3: 127. 1922.** Sec. Hunt (2006)

≡ *Echinocactus chrysacanthus* Orcutt in *Rev. Cact.* 1: 56. 1899 syn. sec. Hunt (2006)

***Ferocactus chrysacanthus* subsp. *chrysacanthus*.** Sec. Hunt (2006)

= *Echinocactus rubrispinus* Ford ex Orcutt, *Rev. Cact.* 1(2): 56. 1899 syn. sec. Tropicos ≡ *Ferocactus chrysacanthus* f. *rubrispinus* (Ford ex Orcutt) G.Unger, *Grossen Kugelkakteen Nordamerikas*: 210. 1992 syn. sec. Tropicos

***Ferocactus chrysacanthus* subsp. *grandiflorus* (G.E.Linds.) N.P.Taylor in *Cactaceae Consensus Init.* 6: 15. 1998.** Sec. Hunt (2006)

≡ *Ferocactus fordii* var. *grandiflorus* G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 164, f. 154. 1955 syn. sec. Hunt (2006) ≡ *Ferocactus grandiflorus* (G.E.Linds.) G.Unger, *Grossen Kugelkakteen Nordamerikas*: 242. 1992 syn. sec. Kew WCVP (2019)

***Ferocactus cylindraceus* (Engelm.) Orcutt in *Cactography* 5. 1926.** Sec. Hunt (2006)

≡ *Echinocactus viridescens* var. *cylindraceus* Engelm. in *Amer. J. Sci. Arts*, ser. 2, 14: 338. 1852 syn. sec. Hunt (2006)

= *Echinocactus leopoldii* E.Morren in *Ann. Bot. Hort.* 26: 132. 1876 syn. sec. Kew WCVP (2019)

= *Echinocactus johnstonianus* (Britton & Rose) Fosberg in *Amer. Midl. Naturalist* 27: 257. 1942 syn. sec. Kew WCVP (2019) ≡ *Ferocactus acanthodes* var. *johnstonianus* (Britton & Rose) G.Unger, *Grossen Kugelkakteen Nordamerikas*: 132. 1992 syn. sec. Tropicos

***Ferocactus cylindraceus* subsp. *cylindraceus*.** Sec. Hunt (2006)

= *Echinocactus acanthodes* Lem., *Cact. Gen. Sp. Nov.*: 106. 1839 syn. sec. Hunt (2006) ≡ *Ferocactus acanthodes* (Lem.) Britton & Rose, *Cactaceae* 3: 129. 1922 syn. sec. Hunt (2006)

= *Echinocactus copoldi* K.Schum., *Gesamtbeschr. Kakt.*: 357. 1898 syn. sec. Britton & Rose (1922)

= *Ferocactus rostii* Britton & Rose, *Cactaceae* 3: 146. 1922 syn. sec. Hunt (2006) ≡ *Echinocactus rostii* (Britton & Rose)

A.Berger, *Kakteen*: 340. 1929 syn. sec. Hunt (2006) ≡ *Echinocactus acanthodes* var. *rostii* (Britton & Rose) Munz, *Man. S.*

Calif. Bot.: 328. 1935 syn. sec. Hunt (2006) ≡ *Ferocactus acanthodes* var. *rostii* (Britton & Rose) W.T.Marshall in *Marshall & Bock, Cactaceae*: 148. 1941 syn. sec. Hunt (2006) ≡ *Ferocactus acanthodes* subsp. *rostii* (Britton & Rose) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 4. 2013

***Ferocactus cylindraceus* subsp. *eastwoodiae* (L.D.Benson) N.P.Taylor in *Cactaceae Syst. Init.* 14: 16. 2002.** Sec. Hunt (2016)

≡ *Ferocactus acanthodes* var. *eastwoodiae* L.D.Benson, *Cacti Ariz.*, ed. 3: 23. 1969 syn. sec. Korotkova (2021) ≡ *Ferocactus eastwoodiae* (L.D.Benson) L.D.Benson, *Cacti U. S. Canada*: 969. 1982 syn. sec. Korotkova (2021) ≡ *Ferocactus cylindraceus* var. *eastwoodiae* (L.D.Benson) N.P.Taylor in *Bradleya* 2: 33. 1984 syn. sec. Korotkova (2021) ≡ *Ferocactus acanthodes* subsp. *eastwoodiae* (L.D.Benson) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 4. 2013 syn. sec. Korotkova (2021)

***Ferocactus cylindraceus* subsp. *lecontei* (Engelm.) N.P.Taylor in *Cactaceae Consensus Init.* 6: 16. 1998.** Sec. Hunt (2006)

≡ *Echinocactus lecontei* Engelm. in *Proc. Amer. Acad. Arts* 3: 274. 1856 syn. sec. Hunt (2006) ≡ *Echinocactus wislizeni* var.

lecontei (Engelm.) Engelm. in *Rep. U.S. Geogr. Surv., Wheeler* 6: 128. 1879 syn. sec. Tropicos ≡ *Echinocactus wislizeni* f.

lecontei (Engelm.) Schelle, *Handb. Kakteenkult.*: 168. 1907 syn. sec. Kew WCVP (2019) ≡ *Ferocactus lecontei* (Engelm.)

Britton & Rose, *Cactaceae* 3: 129. 1922 syn. sec. Hunt (2006) ≡ *Ferocactus acanthodes* var. *lecontei* (Engelm.) G.E.Linds. in

Cact. Succ. J. (Los Angeles) 27: 169. 1955 syn. sec. Tropicos ≡ *Ferocactus cylindraceus* var. *lecontei* (Engelm.) Bravo in *Cact.*

Suc. Mex. 25: 65. 1980 syn. sec. Hunt (2006) ≡ *Ferocactus acanthodes* subsp. *lecontei* (Engelm.) Lodé in *Cact.-Avent. Int.*

98(Suppl.): 4. 2013

= ?*Echinocactus wislizeni* var. *albus* Costantin & Poiss. in *Monatsschr. Kakteenk.* 17: 118. 1907 syn. sec. Britton & Rose (1922)

= *Echinocactus hertrichii* Weing., *Desert (Pasadena)* 1: 40. 1929 syn. sec. Kew WCVP (2019) ≡ *Thelocactus hertrichii* (Weing.) Borg, *Cacti*, ed. 2: 347. 1951 syn. sec. Kew WCVP (2019)

***Ferocactus cylindraceus* subsp. *tortulispinus* (H.E.Gates) N.P.Taylor in *Cactaceae Consensus Init.* 6: 16. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Ferocactus tortulispinus* H.E.Gates in *Cact. Succ. J. (Los Angeles)* 4: 343. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡

Ferocactus acanthodes var. *tortulispinus* (H.E.Gates) G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 168. 1955 syn. sec.

Korotkova (2021) ≡ *Ferocactus cylindraceus* var. *tortulispinus* (H.E.Gates) Bravo in *Cact. Suc. Mex.* 25: 65. 1980 syn. sec.

Korotkova (2021) ≡ *Ferocactus acanthodes* subsp. *tortulispinus* (H.E.Gates) F.Wolf & R.Wolf, *Ferokakt. Baja California*: 25.

2004 syn. sec. Korotkova (2021) ≡ *Ferocactus gracilis* subsp. *tortulispinus* (H.E.Gates) Lodé in *Cact.-Avent. Int.* 100: 29. 2013 syn. sec. Korotkova (2021)

***Ferocactus diguetii* (F.A.C.Weber) Britton & Rose, *Cactaceae* 3: 131–132. 1922.** Sec. Hunt (2006)

≡ *Echinocactus diguetii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 4: 100. 1898 syn. sec. Hunt (2006) ≡ *Ferocactus diguetii* var. *diguetii*

= *Ferocactus diguetii* var. *carmenensis* G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 167. 1955 ≡ *Ferocactus diguetii* subsp.

carmenensis (G.E.Linds.) F.Wolf & R.Wolf, *Ferokakt. Baja California*: 93. 2004 syn. sec. Korotkova (2021)

***Ferocactus echidne* (DC.) Britton & Rose, *Cactaceae* 3: 135. 1922.** Sec. Hunt (2006)

- ≡ *Echinocactus echidne* DC. in Coll. Mém. 8: 19. 1834 syn. sec. Hunt (2006) ≡ *Echinofossulocactus echidne* (DC.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Parrycactus echidne* (DC.) Doweld in Novosti Sist. Vyssh. Rast. 32: 118. 2000 syn. sec. Hunt (2006)
- = *Echinocactus dolichacanthus* Lem., Cact. Aliq. Nov.: 25. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus vanderayei* Lem., Cact. Aliq. Nov.: 20. 1838 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus vanderayei* (Lem.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)
- = *Echinocactus dolichacanthus* var. *minor* Lem., Cact. Gen. Sp. Nov.: 86. 1839 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus vanderayei* var. *ignotus-longispinus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. WFO 2019
- = *Echinocactus dolichocentrus* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 22. 1845 syn. sec. Britton & Rose (1922)
- = *Echinocactus gilvus* A.Dietr. in Allg. Gartenzeitung 13: 170. 1845 syn. sec. Britton & Rose (1922) ≡ *Echinocactus echidne* var. *gilvus* (A.Dietr.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 27. 1850 syn. sec. Britton & Rose (1922) ≡ *Echinocactus echidne* f. *gilvus* (A.Dietr.) K.Schum., Gesamtbeschr. Kakt.: 333. 1898 syn. sec. Korotkova (2021)
- = *Echinocactus victoriensis* Rose in Contr. U.S. Natl. Herb. 12: 291. 1909 syn. sec. Hunt (2006) ≡ *Ferocactus echidne* var. *victoriensis* (Rose) G.E.Linds. in Cact. Succ. J. (Los Angeles) 27: 168. 1955 syn. sec. Hunt (2006) ≡ *Ferocactus victoriensis* (Rose) Backeb., Cactaceae 5: 2728. 1961 syn. sec. Hunt (2006)
- = *Echinocactus rafaensis* J.A.Purpus in Monatsschr. Kakteenk. 22: 163. 1912 syn. sec. Tropicos ≡ *Ferocactus rafaensis* (J.A.Purpus) Borg, Cacti, ed. 1: 236. 1937 syn. sec. Hunt (2006)
- = *Ferocactus echidne* var. *rhodanthus* G.Unger in Kakteen And. Sukk. 54: 142. 2003 syn. sec. Kew WCVP (2019)

***Ferocactus emoryi* (Engelm.) Orcutt in *Cactography* 1: 5. 1926.** Sec. Hunt (2006)

- ≡ *Echinocactus emoryi* Engelm. in Proc. Amer. Acad. Arts 3: 275. 1856 syn. sec. Hunt (2006)

***Ferocactus emoryi* subsp. *covillei* (Britton & Rose) D.R.Hunt & Dimmitt in *Cactaceae Syst. Init.* 20: 16. 2005.** Sec. Hunt (2006)

- ≡ *Ferocactus covillei* Britton & Rose, Cactaceae 3: 132–133, f. 138–139. 1922 syn. sec. Hunt (2006) ≡ *Echinocactus covillei* (Britton & Rose) A.Berger, Kakteen: 138. 1929 syn. sec. Kew WCVP (2019)

Ferocactus emoryi* subsp. *emoryi*.** Sec. Hunt (2006)Ferocactus emoryi* subsp. *rectispinus* (Engelm.) N.P.Taylor in *Cactaceae Consensus Init.* 6: 16. 1998.** Sec. Hunt (2006)

- ≡ *Echinocactus emoryi* var. *rectispinus* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 362. 1896 syn. sec. Hunt (2006) ≡ *Ferocactus rectispinus* (Engelm.) Britton & Rose, Cactaceae 3: 134. 1922 syn. sec. Hunt (2006) ≡ *Ferocactus emoryi* var. *rectispinus* (Engelm.) N.P.Taylor in Bradleya 2: 37. 1984 syn. sec. Hunt (2006) ≡ *Echinocactus emoryi* f. *rectispinus* (Engelm. ex J.M.Coult.) Schelle, Handb. Kakteenkult.: 161. 1907 ≡ *Echinocactus rectispinus* (Engelm.) Britton & Rose in J. New York Bot. Gard. 12: 269. 1911 syn. sec. Kew WCVP (2019)

***Ferocactus flavovirens* (Scheidw.) Britton & Rose, *Cactaceae* 3: 138, 13, f. 1. 1922.** Sec. Hunt (2006)

- ≡ *Echinocactus flavovirens* Scheidw. in Allg. Gartenzeitung 9: 50. 1841 syn. sec. Hunt (2006) ≡ *Bisnaga flavovirens* (Scheidw.) Orcutt in Cactography 1. 1926 syn. sec. Hunt (2006) ≡ *Parrycactus flavovirens* (Scheidw.) Doweld in Novosti Sist. Vyssh. Rast. 32: 118. 2000 syn. sec. Kew WCVP (2019)

***Ferocactus fordii* (Orcutt) Britton & Rose, *Cactaceae* 3: 126. 1922.** Sec. Hunt (2006)

- ≡ *Echinocactus fordii* Orcutt in Rev. Cact. 1: 56. 1899 syn. sec. Hunt (2006) ≡ *Ferocactus fordii* var. *fordii*

Ferocactus fordii* subsp. *borealis* N.P.Taylor in *Cactaceae Syst. Init.* 14: 16. 2002.** Sec. Hunt (2006)Ferocactus fordii* subsp. *fordii*.** Sec. Hunt (2006)***Ferocactus glaucescens* (DC.) Britton & Rose, *Cactaceae* 3: 137. 1922.** Sec. Hunt (2006)

- ≡ *Echinocactus glaucescens* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Hunt (2006) ≡ *Parrycactus glaucescens* (DC.) Doweld in Novosti Sist. Vyssh. Rast. 32: 118. 2000 syn. sec. Kew WCVP (2019)
- = *Echinocactus hybocentrus* Lehm. ex Pfeiff., Enum. Diagn. Cact.: 65. 1837 syn. sec. Britton & Rose (1922)
- = *Echinocactus mammillarioides* Hook. in Bot. Mag. 64: t. 3558. 1837 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus mammillarioides* (Hook.) Britton & Rose, Cactaceae 3: 203–204. 1922 syn. sec. Tropicos ≡ *Pyrrhocactus mammillarioides* (Hook.) Backeb., Kaktus-ABC: 263. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoporteria mammillarioides* (Hook.) Backeb. in Kakteenkunde 5: 81. 1939 syn. sec. Kew WCVP (2019) ≡ *Neoporteria subgibbosa* var. *mammillarioides* (Hook.) Donald & G.D.Rowley in Cact. Succ. J. Gr. Brit. 28: 58. 1966 syn. sec. Hunt (2006)
- = *Echinocactus pfeifferi* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 58. 1837 syn. sec. Hunt (2006) ≡ *Echinofossulocactus pfeifferi* (Zucc.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Ferocactus pfeifferi* (Zucc. ex Pfeiff.) Backeb., Cactaceae 5: 2742. 1961 syn. sec. Hunt (2006)
- = *Echinocactus theionacanthus* Lem., Cact. Aliq. Nov.: 22. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus theiacanthus* Lem., Cact. Gen. Sp. Nov.: 86. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus nummularioides* Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Britton & Rose (1922)
- = *Echinocactus dietrichianus* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 160. 1861 syn. sec. Kew WCVP (2019)

***Ferocactus gracilis* H.E.Gates in *Cact. Succ. J. (Los Angeles)* 4: 323. 1933.** Sec. Hunt (2006)

- ≡ *Ferocactus peninsulae* var. *gracilis* (H.E.Gates) G.Unger, Grossen Kugelkakteen Nordamerikas: 193. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus gracilis* var. *gracilis*

= *Ferocactus viscaianensis* H.E.Gates in Cact. Succ. J. (Los Angeles) 4: 324. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus peninsulae* var. *viscaianensis* (H.E.Gates) G.E.Linds. in Cact. Succ. J. (Los Angeles) 27: 169. 1955 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus peninsulae* subsp. *viscaianensis* (H.E.Gates) F.Wolf & R.Wolf, Ferokakt. Baja California: 151. 2004 syn. sec. Korotkova (2021)

***Ferocactus gracilis* subsp. *coloratus* (H.E.Gates) N.P.Taylor in Cactaceae Consensus Init. 6: 16. 1998.** Sec. Hunt (2006)

≡ *Ferocactus coloratus* H.E.Gates in Cact. Succ. J. (Los Angeles) 4: 344. 1933 syn. sec. Hunt (2006) ≡ *Ferocactus gracilis* var. *coloratus* (H.E.Gates) G.E.Linds. in Cact. Succ. J. (Los Angeles) 27: 169. 1955 syn. sec. Korotkova (2021) ≡ *Ferocactus peninsulae* var. *coloratus* (H.E.Gates) G.Unger, Grossen Kugelkakteen Nordamerikas: 202. 1992 syn. sec. Korotkova (2021)

***Ferocactus gracilis* subsp. *gatesii* (G.E.Linds.) N.P.Taylor in Cactaceae Consensus Init. 6: 16. 1998.** Sec. Hunt (2006)

≡ *Ferocactus gatesii* G.E.Linds. in Cact. Succ. J. (Los Angeles) 27: 150, f. 146–147. 1955 syn. sec. Hunt (2006)

***Ferocactus gracilis* subsp. *gracilis*.** Sec. Hunt (2006)

***Ferocactus haematacanthus* (Salm-Dyck) Bravo ex Backeb. & F.M.Knuth, Kaktus-ABC: 352. 1936 ["1935"].** Sec. Hunt (2006)

≡ *Echinocactus electracanthus* var. *haematacanthus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 150. 1850 syn. sec. Hunt (2006) ≡

Ferocactus stainesii var. *haematacanthus* (Salm-Dyck) Backeb., Cactaceae 5: 2700. 1961 syn. sec. Guzmán Cruz & al. (2003)

≡ *Bisnaga haematacantha* (Salm-Dyck) Doweld in Sukkulenty 1(2): 28. 1999 syn. sec. Hunt (2006)

= *Echinocactus flexispinus* Engelm. in Mem. Tour N. Mexico: 111. 1848 syn. sec. Kew WCVP (2019)

= *Echinocactus treculianus* Labour., Monogr. Cact.: 202. 1853 syn. sec. Kew WCVP (2019)

= *Echinocactus flavispinus* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 28. 1858 syn. sec. Kew WCVP (2019)

= *Echinocactus haematacanthus* var. *crassispinus* Engelm. in Rep. U.S. Mex. Bound. 2(1): 21. 1858 syn. sec. WFO 2019

= *Echinocactus haematacanthus* (Monv. ex Salm-Dyck) Monv. ex F.A.C.Weber, Dict. Hort. 1: 468. 1896 syn. sec. Tropicos

= *Bisnaga pueblensis* Doweld in Sukkulenty 2: 43. 1999 syn. sec. Kew WCVP (2019)

***Ferocactus hamatacanthus* (Muehlenpf.) Britton & Rose, Cactaceae 3: 144. 1922.** Sec. Hunt (2016)

≡ *Echinocactus hamatacanthus* Muehlenpf. in Allg. Gartenzeitung 14(47): 371. 1846 syn. sec. Hunt (2006) ≡ *Hamatocactus hamatacanthus* (Muehlenpf.) F.M.Knuth, Kaktus-ABC: 353. 1936 ["1935"] syn. sec. Tropicos

= *Echinocactus longihamatus* Galeotti, Abbild. Beschr. Cact. 2: pl. 16. 1848 syn. sec. Tropicos ≡ *Echinocactus setispinus* var. *longihamatus* (Galeotti ex Pfeiff.) Poselg. in Allg. Gartenzeitung 21: 119. 1853 syn. sec. Tropicos ≡ *Echinocactus hamatacanthus* var. *longihamatus* (Galeotti ex Pfeiff.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 365. 1896 syn. sec. Kew WCVP (2019)

= *Echinocactus flexispinus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 159. 1850 syn. sec. Tropicos

= *Echinocactus longihamatus* var. *brevispinus* Engelm. in Proc. Amer. Acad. Arts 3: 274. 1856 syn. sec. Tropicos ≡

Echinocactus hamatacanthus var. *brevispinus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 366. 1896 syn. sec. Kew

WCVP (2019) ≡ *Echinocactus longihamatus* f. *brevispinus* (Engelm.) Schelle, Handb. Kakteenkult.: 160. 1907 syn. sec.

Tropicos

= *Echinocactus uncinatus* Engelm. ex Scheer, Bot. Voy. Herald: 290. 1856 syn. sec. Kew WCVP (2019)

= *Echinocactus longihamatus* var. *crassispinus* Engelm. in Proc. Amer. Acad. Arts 3: 274. 1857 syn. sec. Kew WCVP (2019) ≡

Ferocactus hamatacanthus var. *crassispinus* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 80. 1974 syn. sec. Kew

WCVP (2019)

= *Echinocactus texensis* var. *treculianus* C.F.Först., Handb. Cacteenk., ed. 2: 504. 1885 syn. sec. Britton & Rose (1922)

= *Echinocactus longihamatus* var. *bicolor* F.A.C.Weber in Monatsschr. Kakteenk. 3: 140. 1893 syn. sec. WFO 2019

= *Echinocactus gerardii* F.A.C.Weber, Dict. Hort. 1: 468. 1896 syn. sec. Kew WCVP (2019)

= *Echinocactus deflexispinus* Gruson in Schumann, Gesamtbeschr. Kakt.: 343. 1898 syn. sec. Britton & Rose (1922)

= *Echinocactus longihamatus* var. *deflexispinus* F.A.C.Weber in Monatsschr. Kakteenk. 12: 69. 1902 syn. sec. WFO 2019

= *Echinocactus longihamatus* var. *insignis* F.A.C.Weber in Monatsschr. Kakteenk. 12: 69. 1902 syn. sec. WFO 2019

= *Echinocactus insignis* Haage Jr. in Monatsschr. Kakteenk. 5: 76. 1905 syn. sec. Britton & Rose (1922)

= *Brittonia davisii* Houghton & C.A.Armstr. in Cact. J. (Croydon) 2: 64. 1934 syn. sec. Kew WCVP (2019) ≡ *Hamatocactus*

hamatacanthus var. *davisii* (Houghton & C.A.Armstr.) W.T.Marshall in Marshall & Bock, Cactaceae: 145. 1941 syn. sec. Kew

WCVP (2019)

Ferocactus hamatacanthus* subsp. *hamatacanthus

= *Echinocactus longihamatus* Galeotti ex Pfeiff., Abbild. Beschr. Cact. 2: t. 16. 1847 syn. sec. Tropicos

= *Echinocactus longihamatus* var. *gracilispinus* Engelm. in Proc. Amer. Acad. Arts 3: 273. 1856 syn. sec. Tropicos

= *Echinocactus haematochroanthus* Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 532. 1880 syn. sec. Tropicos

***Ferocactus hamatacanthus* subsp. *sinuatus* (A.Dietr.) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998.** Sec. Hunt (2006)

≡ *Echinocactus sinuatus* A.Dietr. in Allg. Gartenzeitung 19(44): 345–346. 1851 syn. sec. Hunt (2006) ≡ *Echinocactus setispinus*

var. *sinuatus* (A.Dietr.) Poselg. in Allg. Gartenzeitung 21: 119. 1853 syn. sec. Kew WCVP (2019) ≡ *Echinocactus*

longihamatus var. *sinuatus* (A.Dietr.) F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 342. 1898 syn. sec. Tropicos ≡

Echinocactus longihamatus f. *sinuatus* (A.Dietr.) Schelle, Handb. Kakteenkult.: 160. 1907 syn. sec. Korotkova (2021) ≡

Hamatocactus sinuatus (A.Dietr.) Orcutt in Cactography 6: 1926 syn. sec. Tropicos ≡ *Ferocactus hamatacanthus* var. *sinuatus*

(A.Dietr.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 128. 1969 syn. sec. Tropicos ≡ *Bisnaga haematacantha* subsp.

sinuata (A.Dietr.) Doweld in Sukkulenty 2: 28. 1999 syn. sec. Hunt (2006) ≡ *Hamatocactus hamatacanthus* subsp. *sinuatus*

(A.Dietr.) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013 syn. sec. Hunt (2006)

***Ferocactus herrerae* J.G.Ortega, Mexico Forest. 5: 53. 1927.** Sec. Hunt (2006)

≡ *Ferocactus wislizeni* var. *herrerae* (J.G.Ortega) N.P.Taylor in Bradleya 2: 34. 1984 syn. sec. Hunt (2006) ≡ *Ferocactus wislizeni* subsp. *herrerae* (J.G.Ortega) Pilbeam & Bowdery, *Ferocactus*: 103. 2005 syn. sec. Hunt (2006)

***Ferocactus histrix* (DC.) G.E.Linds. in Cact. Succ. J. (Los Angeles) 27: 171. 1955.** Sec. Hunt (2006)

≡ *Echinocactus histrix* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Hunt (2006) ≡ *Bisnaga histrix* (DC.) Doweld in Sukkulenty 2: 28. 1999 syn. sec. Hunt (2006)

= *Echinocactus melocactiformis* DC. in Mém. Mus. Hist. Nat. 17: 38. 1828 syn. sec. Hunt (2006) ≡ *Ferocactus melocactiformis* (DC.) Britton & Rose, *Cactaceae* 3: 138. 1922 syn. sec. Hunt (2006)

= *Echinocactus coulteri* G.Don, Gen. Hist. 3: 162. 1834 syn. sec. Kew WCVP (2019)

= *Echinocactus oxypterus* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 57. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus oxypterus* (Zucc. ex Pfeiff.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Tropicos

= *Echinocactus electracanthus* Lem., Cact. Aliq. Nov.: 24. 1838 syn. sec. Kew WCVP (2019) ≡ *Bisnaga electracantha* (Lem.) Orcutt in Cactography 1. 1926 syn. sec. Kew WCVP (2019)

= *Echinocactus hystrichacanthus* Lem., Cact. Gen. Sp. Nov.: 17. 1839 syn. sec. Kew WCVP (2019)

= *Echinocactus pycnoxyphus* Lem., Cact. Gen. Sp. Nov.: 16. 1839 syn. sec. Kew WCVP (2019)

= *Echinocactus electracanthus* var. *rufispinus* Müll.Arg. in Monatschr. Kakteenk. 3: 70. 1893 syn. sec. Britton & Rose (1922)

= *Echinocactus pfersdorffii* Schelle, Handb. Kakteenkult.: 203. 1907 syn. sec. Kew WCVP (2019)

Ferocactus johnstonianus* Britton & Rose, Cactaceae 4: 287. 1923.** Sec. Hunt (2006)Ferocactus latispinus* (Haw.) Britton & Rose, Cactaceae 3: 143–144, pl. 16, f. 3. 1922.** Sec. Hunt (2006)

≡ *Cactus latispinus* Haw. in Philos. Mag. J. 63: 41. 1824 syn. sec. Hunt (2006) ≡ *Mammillaria latispina* (Haw.) Tate in Gard. Mag. & Reg. Rural Domest. Improv. 16: 26. 1840 syn. sec. Kew WCVP (2019) ≡ *Echinocactus recurvus* var. *latispinus* (Haw.) Mittl., Taschenb. Cactusliebhaber: 91. 1841 syn. sec. Tropicos ≡ *Echinocactus latispinus* (Haw.) Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 533. 1880 syn. sec. Tropicos ≡ *Ferocactus recurvus* var. *latispinus* (Haw.) G.Unger, Grossen Kugelkakteen Nordamerikas: 302. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Bisnaga recurva* subsp. *latispina* (Haw.) Doweld in Sukkulenty 2: 29. 1999 syn. sec. Hunt (2006) ≡ *Bisnaga latispina* (Haw.) Doweld in Sukkulenty 3: 36. 2000 syn. sec. Hunt (2006) ≡ *Echinocactus corniger* var. *latispinus* (Haw.) Voss syn. sec. Tropicos

= *Cactus recurvus* Mill., Gard. Dict., ed. 8. 1768 syn. sec. Hunt (2006) ≡ *Echinocactus recurvus* (Mill.) Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 426. 1827 syn. sec. Hunt (2006) ≡ *Echinofossulocactus recurvus* (Mill.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Hunt (2006) ≡ *Ferocactus recurvus* (Mill.) Borg, Cacti, ed. 1: 231. 1937 syn. sec. Hunt (2006) ≡ *Cactus recurvus* (Lehm.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos –

Ferocactus latispinus var. *recurvus* (Mill.) Lodé in Cact. Avent. 27: 29. 1995, nom. inval. syn. sec. Kew WCVP (2019)

= *Cactus nobilis* L., Mant. Pl. 2: 248. 1771 syn. sec. Hunt (2006) ≡ *Echinocactus nobilis* (L.) Druce in Rep. Bot. Soc. Exch. Club Brit. Isles 4(Suppl. 2): 620. 1917 syn. sec. Hunt (2006) ≡ *Ferocactus nobilis* (L.) Britton & Rose, *Cactaceae* 3: 141. 1922 syn. sec. Hunt (2006)

= *Melocactus recurvus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 419. 1827 syn. sec. Kew WCVP (2019) ≡ *Cereus recurvus* Link & Otto ex Steud., Nomencl. Bot., ed. 2, 1: 335. 1840 syn. sec. Kew WCVP (2019)

= *Cactus cornigerus* Moc. & Sessé ex DC., Prodr. 3: 461. 1828 syn. sec. Hunt (2006) ≡ *Echinocactus corniger* DC. in Mém. Mus. Hist. Nat. 17: 36. 1828 syn. sec. Kew WCVP (2019) ≡ *Echinocactus cornigerus* DC. in Mém. Mus. Hist. Nat. 17: 36. 1828 syn. sec. Hunt (2006) ≡ *Bisnaga cornigera* (DC.) Orcutt in Cactography 1. 1926 syn. sec. Kew WCVP (2019)

= *Echinocactus nobilis* Haw. in Philos. Mag. Ann. Chem. 9: 115. 1830 syn. sec. Kew WCVP (2019)

= *Melocactus besleri-affinis* Pfeiff., Enum. Diagn. Cact.: 60. 1837 syn. sec. Kew WCVP (2019)

= *Melocactus latispinus* Pfeiff., Enum. Diagn. Cact.: 56. 1837 syn. sec. Britton & Rose (1922)

= *Echinocactus curvicornis* Miq. in Linnaea 12: 5. 1838 syn. sec. Kew WCVP (2019)

= *Echinocactus stellatus* Scheidw. in Allg. Gartenzeitung 8: 338. 1840 syn. sec. Kew WCVP (2019)

= *Echinocactus solenacanthus* Scheidw. in Allg. Gartenzeitung 9: 50. 1841 syn. sec. Tropicos ≡ *Echinocactus recurvus* var. *solenacanthus* (Scheidw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 21. 1845 syn. sec. Tropicos ≡ *Echinocactus recurvus* f. *solenacanthus* (Scheidw.) Schelle, Handb. Kakteenkult.: 162. 1907 syn. sec. Tropicos

= *Echinofossulocactus corniger* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡

Echinofossulocactus cornigerus Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)

= *Echinofossulocactus corniger* var. *angustispinus* (Lawr.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Hunt (2006) ≡ *Echinofossulocactus cornigerus* var. *angustispinus* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 318. 1841 syn. sec. WFO 2019 ≡ *Echinofossulocactus angustispinus* Lawr., *Cactaceae* 3: 318. 1922 syn. sec. Kew WCVP (2019)

= *Echinofossulocactus elatior* Lawr. in Gard. Mag. (London) 17: 136. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus corniger* var. *elatior* (Lawr.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus cornigerus* var. *elatior* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. WFO 2019

= *Echinofossulocactus recurvus* var. *campylacanthus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. WFO 2019

= *Echinofossulocactus rubrospinus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡

Echinofossulocactus corniger var. *rubrospinus* (Lawr.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus cornigerus* var. *rubrospinus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. WFO 2019

- = *Echinocactus corniger* var. *flavispinus* J.N.Haage ex C.F.Först., Handb. Cacteenk.: 318. 1846 syn. sec. Kew WCVP (2019) ≡ *Echinocactus latispinus* var. *flavispinus* (J.N.Haage) F.A.C.Weber, Dict. Hort. 1: 467. 1898 syn. sec. Tropicos ≡ *Echinocactus corniger* f. *flavispinus* (J.N.Haage ex C.F.Först.) Schelle, Handb. Kakteenkult.: 165. 1907 syn. sec. Britton & Rose (1922) ≡ *Ferocactus latispinus* var. *flavispinus* (J.N.Haage) Backeb. & F.M.Knuth, Kaktus-ABC: 352. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus recurvus* f. *flavispinus* (Haage ex C.F.Först.) G.Unger, Grossen Kugelkakteen Nordamerikas: 316. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus corniger* var. *latispinus* C.F.Först., Handb. Cacteenk.: 318. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus recurvus* var. *tricuspidatus* C.F.Först., Handb. Cacteenk.: 317. 1846 syn. sec. Britton & Rose (1922)
- = *Echinocactus stellaris* Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 538. 1880 syn. sec. Kew WCVP (2019) ≡ *Echinocactus spiralis* var. *stellaris* (Hemsl.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 21. 1845 syn. sec. Kew WCVP (2019)
- = ?*Echinocactus corniger* var. *rubrispinosus* DC. in Monatsschr. Kakteenk. 12: 59. 1902 syn. sec. Britton & Rose (1922)
- = *Echinocactus recurvus* var. *bicolor* R.S.Cowan in Monatsschr. Kakteenk. 20: 144. 1910 syn. sec. Britton & Rose (1922)
- Ferocactus latispinus* subsp. *greenwoodii* (Glass) N.P.Taylor in Cactaceae Syst. Init. 20: 17. 2005. Sec. Hunt (2006)**
- ≡ *Ferocactus recurvus* var. *greenwoodiae* Glass in Cact. Succ. J. (Los Angeles) 40: 160. 1968 syn. sec. TPL (2013) ≡ *Ferocactus cylindraceus* var. *greenwoodiae* (Glass) N.P.Taylor in Bradleya 2: 27. 1984 syn. sec. Kew WCVP (2019) ≡ *Ferocactus latispinus* var. *greenwoodii* (Glass) N.P.Taylor in Bradleya 2: 27. 1984 syn. sec. Hunt (2006) ≡ *Ferocactus recurvus* subvar. *greenwoodiae* (Glass) G.Unger, Grossen Kugelkakteen Nordamerikas: 299. 1992 ≡ *Ferocactus recurvus* subsp. *greenwoodiae* (Glass) Pilbeam & Bowdery, Ferocactus: 91. 2005 syn. sec. TPL (2013) ≡ *Ferocactus recurvus* subsp. *greenwoodii* (Glass) Pilbeam & Bowdery, Ferocactus: 91. 2005 syn. sec. Hunt (2006)
- Ferocactus latispinus* subsp. *latispinus*. Sec. Hunt (2006)**
- Ferocactus latispinus* subsp. *spiralis* (Karw. ex Pfeiff.) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998. Sec. Hunt (2006)**
- ≡ *Echinocactus spiralis* Karw. ex Pfeiff., Enum. Diagn. Cact.: 60–61. 1837 syn. sec. Hunt (2006) ≡ *Echinofossulocactus spiralis* (Karw. ex Pfeiff.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinocactus recurvus* var. *spiralis* (Karw. ex Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 348. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus recurvus* f. *spiralis* (Karw. ex Pfeiff.) Schelle, Handb. Kakteenkult.: 162. 1907 syn. sec. Tropicos ≡ *Ferocactus latispinus* var. *spiralis* (Karw. ex Pfeiff.) N.P.Taylor in Bradleya 2: 26. 1984 syn. sec. Hunt (2006) ≡ *Ferocactus recurvus* f. *spiralis* (Karw. ex Pfeiff.) G.Unger, Grossen Kugelkakteen Nordamerikas: 294. 1992 syn. sec. Tropicos ≡ *Bisnaga latispina* subsp. *spiralis* (Karw. ex Pfeiff.) Doweld in Sukkulenty 3: 36. 2000 syn. sec. Hunt (2006) ≡ *Bisnaga latispinus* var. *spiralis* (Karw. ex Pfeiff.) Doweld in Sukkulenty 3: 36. 2000 syn. sec. Hunt (2006)
- Ferocactus lindsayi* Bravo in Cact. Suc. Mex. 11: 9. 1966. Sec. Hunt (2006)**
- Ferocactus macrodiscus* (Mart.) Britton & Rose, Cactaceae 3: 139–140, f. 147. 1922. Sec. Hunt (2006)**
- ≡ *Echinocactus macrodiscus* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 16(1): 341. 1832 syn. sec. Hunt (2006) ≡ *Bisnaga macrodisca* (Mart.) Doweld in Sukkulenty 2: 29. 1999 syn. sec. Hunt (2006)
- = *Echinocactus campylacanthus* Scheidw. in Allg. Gartenzeitung 8: 337. 1840 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus campylacanthus* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019)
- = *Echinocactus macromeris* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Tropicos ≡ *Coryphantha macromeris* (Engelm.) Britton & Rose, Cactaceae 4: 25. 1923 syn. sec. Tropicos
- = *Echinocactus macrodiscus* var. *multiflorus* Rud.Mey. in Monatsschr. Kakteenk. 24: 150. 1914 syn. sec. Kew WCVP (2019) ≡ *Echinocactus macrodiscus* f. *multiflorus* (Rud.Mey.) Schelle, Kakteen: 203. 1926 syn. sec. Tropicos
- Ferocactus macrodiscus* subsp. *macrodiscus*. Sec. Hunt (2006)**
- Ferocactus macrodiscus* subsp. *septentrionalis* (J.Meyrán) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998. Sec. Hunt (2006)**
- ≡ *Ferocactus macrodiscus* var. *septentrionalis* J.Meyrán in Cact. Suc. Mex. 32: 52. 1987 syn. sec. Hunt (2006) ≡ *Bisnaga macrodisca* subsp. *septentrionalis* (J.Meyrán) Doweld in Sukkulenty 2: 29. 1999 syn. sec. Hunt (2006)
- Ferocactus mathssonii* (Berge ex K.Schum.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 91. 1979. Sec. Hunt (2016)**
- ≡ *Echinocactus mathssonii* Berge ex K.Schum., Gesamtbeschr. Kakt.: 351. 1898 syn. sec. Korotkova (2021) ≡ *Glandulicactus mathssonii* (Berge ex K.Schum.) D.J.Ferguson in Cact. Succ. J. (Los Angeles) 63: 91. 1991 ≡ *Glandulicactus mathssonii* (Berge ex K.Schum.) Wozniak in Swiat Kakt. 30: 10. 1996 ≡ *Ancistrocactus mathssonii* (Berge ex K.Schum.) Doweld in Sukkulenty 2: 29. 1999 syn. sec. Tropicos – *Echinocactus mathssonii* Berge in Monatsschr. Kakteenk. 3: 45. 1893, nom. nud.
- = *Echinocactus crassihamatus* F.A.C.Weber in Bois, Dict. Hort.: 468. 1896 syn. sec. Hunt (2006) ≡ *Ferocactus crassihamatus* (F.A.C.Weber) Britton & Rose, Cactaceae 3: 144. 1922 syn. sec. Hunt (2016) ≡ *Glandulicactus crassihamatus* (F.A.C.Weber) Backeb. in Beitr. Sukkulentenk. Sukkulentenpflege 1940: 6. 1940 syn. sec. Hunt (2006) ≡ *Thelocactus crassihamatus* (F.A.C.Weber) W.T.Marshall in Marshall & Bock, Cactaceae: 169. 1941 syn. sec. Hunt (2006) ≡ *Hamatocactus crassihamatus* (F.A.C.Weber) Buxb. in Oesterr. Bot. Z. 98: 60. 1951 syn. sec. Hunt (2006) ≡ *Ancistrocactus crassihamatus* (F.A.C.Weber) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 188. 1969 syn. sec. Hunt (2006) ≡ *Sclerocactus uncinatus* var. *crassihamatus* (F.A.C.Weber) N.P.Taylor in Bradleya 5: 94. 1987 syn. sec. Hunt (2006) ≡ *Hamatocactus uncinatus* subsp. *crassihamatus* (F.A.C.Weber) Glass, Guía Identific. Cact. Amenazadas México: Ha/un. 1997 ["1998"] syn. sec. Hunt (2006) ≡ *Sclerocactus uncinatus* subsp. *crassihamatus* (F.A.C.Weber) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998 syn. sec. Hunt (2006) ≡ *Pediocactus uncinatus* var. *crassihamatus* (F.A.C.Weber) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 25. 1998 syn. sec. Hunt (2006) ≡ *Ancistrocactus uncinatus* subsp. *crassihamatus* (F.A.C.Weber) Doweld in Cactus & Co. 5: 92. 2001 syn. sec. Hunt (2006)

***Ferocactus peninsulæ* (F.A.C.Weber) Britton & Rose, *Cactaceae* 3: 133. 1922. Sec. Hunt (2006)**

≡ *Echinocactus peninsulæ* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 1: 320. 1895 syn. sec. Hunt (2006) ≡ *Ferocactus peninsulæ* var. *peninsulæ*

= *Echinocactus peninsulæ* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 361. 1895 syn. sec. Kew WCVP (2019)

= *Ferocactus horridus* Britton & Rose, *Cactaceae* 3: 128. 1922 syn. sec. Guzmán Cruz & al. (2003)

Ferocactus pilosus* (Galeotti) Werderm., *Repert. Spec. Nov. Regni Veg. Sonderbeih. B Sonderbeih. C: t. 72. 1933. Sec. Hunt (2006)

≡ *Echinocactus pilosus* Galeotti in Salm-Dyck, *Cact. Hort. Dyck.*, 1849: 148. 1850 syn. sec. Hunt (2006) ≡ *Ferocactus stainesii* var. *pilosus* (Galeotti ex Salm-Dyck) Backeb., *Cactaceae* 5: 2702. 1961 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus stainesii* Hook. in *Rev. Hort.* 6: 248. 1845 syn. sec. Tropicos ≡ *Echinocactus stainesii* Hook. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 27. 1850 syn. sec. Hunt (2006) ≡ *Ferocactus stainesii* (Hook. ex Salm-Dyck) Britton & Rose, *Cactaceae* 3: 124. 1922 syn. sec. Hunt (2006)

= *Echinocactus pilosus* var. *stainesii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 149. 1850 syn. sec. Kew WCVP (2019) ≡

Echinocactus pilosus f. *stainesii* (Salm-Dyck) Voss, *Vilm. Blumengärtn.*, ed. 3, 1: 372. 1894 syn. sec. Hunt (2006) ≡

Ferocactus piliferus var. *stainesii* (Salm-Dyck) G.Unger in *Kakteen And. Sukk.* 37: 45. 1986 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus pilifer* Lem., *Monogr. Cact.*: 186. 1853 syn. sec. Kew WCVP (2019) ≡ *Echinocactus piliferus* Lem. ex Labour., *Monogr. Cact.*: 186. 1853 syn. sec. Hunt (2006) ≡ *Ferocactus piliferus* (Lem. ex Labour.) G.Unger in *Kakteen And. Sukk.* 37: 45. 1986 syn. sec. Hunt (2006) ≡ *Ferocactus pilifer* (Lem. ex Labour.) G.Unger in *Kakteen And. Sukk.* 37: 45. 1986 syn. sec. Hunt (2006)

= *Echinocactus pilosus* var. *pringlei* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 365. 1896 syn. sec. Hunt (2006) ≡ *Echinocactus pringlei* (J.M.Coult.) Rose in *Contr. U.S. Natl. Herb.* 10: 127. 1906 syn. sec. Tropicos ≡ *Ferocactus pringlei* (J.M.Coult.)

Britton & Rose, *Cactaceae* 3: 125. 1922 syn. sec. Hunt (2006) ≡ *Ferocactus stainesii* var. *pringlei* (J.M.Coult.) Backeb.,

Cactaceae 5: 2701. 1961 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocereus pringlei* Rose

= *Echinocactus pilosus* var. *flavispinus* Schelle, *Kakteen*: 188. 1926 syn. sec. Korotkova (2021) ≡ *Ferocactus piliferus* f.

flavispinus (Schelle) G.Unger in *Kakteen And. Sukk.* 37: 45. 1986 syn. sec. Guzmán Cruz & al. (2003)

***Ferocactus pottsii* (Salm-Dyck) Backeb., *Cactaceae* 5: 2738. 1961. Sec. Hunt (2006)**

≡ *Echinocactus pottsii* Schur ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 35. 1850 ≡ *Echinocactus bicolor* var. *pottsii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 173. 1850 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus bicolor* f. *pottsii* (Salm-Dyck) Voss, *Vilm. Blumengärtn.*, ed. 3, 1: 373. 1894 ≡ *Thelocactus pottsii* (Salm-Dyck) Britton & Rose, *Cactaceae* 4: 12–13. 1923 syn. sec. Kew WCVP (2019) ≡ *Thelocactus bicolor* var. *pottsii* (Salm-Dyck) Backeb., *Cactaceae* 5: 2809. 1961

***Ferocactus robustus* (Link & Otto) Britton & Rose, *Cactaceae* 3: 135. 1922. Sec. Hunt (2006)**

≡ *Echinocactus robustus* Link & Otto in *Allg. Gartenzeitung* 1: 364. 1833 syn. sec. Hunt (2006)

= *Echinocactus subulifer* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 427. 1827 syn. sec. Kew WCVP (2019) ≡ *Echinocactus subuliferus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 427. 1827 syn. sec. Britton & Rose (1922)

= *Melocactus prolifer* Otto & A.Dietr. in *Allg. Gartenzeitung* 1: 364. 1833 syn. sec. Kew WCVP (2019)

= *Echinocactus agglomeratus* Karw. ex Pfeiff., *Enum. Diagn. Cact.*: 61. 1837 syn. sec. Kew WCVP (2019)

= *Echinocactus robustus* Otto ex Pfeiff., *Enum. Diagn. Cact.*: 61. 1837 syn. sec. Tropicos ≡ *Echinofossulocactus robustus* (Otto ex Pfeiff.) Lawr. in *Gard. Mag. (London)* 17: 318. 1841 syn. sec. Kew WCVP (2019)

= *Echinocactus robustus* var. *monstruosus* Pfeiff., *Enum. Diagn. Cact.*: 61. 1837 syn. sec. Kew WCVP (2019)

= *Echinocactus robustus* var. *prolifer* Pfeiff., *Enum. Diagn. Cact.*: 61. 1837 syn. sec. Kew WCVP (2019)

***Ferocactus schwarzii* G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 70. 1955. Sec. Hunt (2006)**

≡ *Parrycactus schwarzii* (G.E.Linds.) Doweld in *Novosti Sist. Vyssh. Rast.* 32: 118. 2000 syn. sec. Kew WCVP (2019)

***Ferocactus tiburonensis* (G.E.Linds.) Backeb., *Cactaceae* 5: 2719. 1961. Sec. Hunt (2006)**

≡ *Ferocactus wislizeni* var. *tiburonensis* G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 166, f. 155. 1955 syn. sec. Hunt (2006) ≡

Echinocactus wislizeni subsp. *tiburonensis* (G.E.Linds.) Felger in *J. Arizona Acad. Sci.* 6: 82. 1970 syn. sec. Kew WCVP

(2019) ≡ *Ferocactus wislizeni* subsp. *tiburonensis* (G.E.Linds.) Pilbeam & Bowdery, *Ferocactus*: 105. 2005 syn. sec. Hunt (2006)

***Ferocactus townsendianus* Britton & Rose, *Cactaceae* 3: 127. 1922. Sec. Guzmán Cruz & al. (2003)**

≡ *Ferocactus peninsulæ* var. *townsendianus* (Britton & Rose) N.P.Taylor in *Bradleya* 2: 28. 1984 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus peninsulæ* subsp. *townsendianus* (Britton & Rose) Pilbeam & Bowdery, *Ferocactus*: 83. 2005 syn. sec. Korotkova (2021)

= *Echinocactus santa-maria* Rose ex Schick in *Monatsschr. Kakteenk.* 29: 13. 1919 syn. sec. Britton & Rose (1922) ≡

Ferocactus santa-maria Britton & Rose, *Cactaceae* 3: 131. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus*

townsendianus var. *santa-maria* (Britton & Rose) G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 27: 170. 1955 syn. sec. Guzmán

Cruz & al. (2003) ≡ *Ferocactus peninsulæ* var. *santa-maria* (Britton & Rose) N.P.Taylor in *Bradleya* 2: 30. 1984 syn. sec.

Guzmán Cruz & al. (2003) ≡ *Ferocactus peninsulæ* subsp. *santa-maria* (Britton & Rose) Pilbeam & Bowdery, *Ferocactus*: 82. 2005 syn. sec. Korotkova (2021)

***Ferocactus uncinatus* (Galeotti ex Pfeiff.) Britton & Rose, Cactaceae 3: 146, f. 153, 153a. 1922. Sec. Hunt (2006)**

- ≡ *Echinocactus uncinatus* Galeotti ex Pfeiff. in Abbild. Besch. Cact. 2: t. 18. 1848 syn. sec. Hunt (2006) ≡ *Echinomastus uncinatus* (Galeotti ex Pfeiff.) F.M.Knuth, Kaktus-ABC: 358. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Glandulicactus uncinatus* (Galeotti ex Pfeiff.) Backeb. in Beitr. Sukkulenteenk. Sukkulenteenpflege 1938: 34. 1938 syn. sec. Hunt (2016) ≡ *Thelocactus uncinatus* (Galeotti ex Pfeiff.) W.T.Marshall in Marshall & Bock, Cactaceae: 169. 1941 syn. sec. Kew WCVP (2019) ≡ *Ancistrocactus uncinatus* (Galeotti ex Pfeiff.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 188. 1969 syn. sec. Hunt (2006) ≡ *Sclerocactus uncinatus* (Galeotti ex Pfeiff.) N.P.Taylor in Bradleya 5: 94. 1987 syn. sec. Hunt (2006) ≡ *Pediocactus uncinatus* (Galeotti ex Pfeiff.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 25. 1998 syn. sec. Kew WCVP (2019) ≡ *Hamatocactus uncinatus* (Galeotti ex Pfeiff.) Buxb. syn. sec. Korotkova (2021) ≡ *Glandulicactus uncinatus* subsp. *uncinatus* = *Echinocactus ancylacanthus* Monv. ex Labour., Monogr. Cact.: 201. 1853 syn. sec. Kew WCVP (2019)
- = *Echinocactus uncinatus* var. *wrightii* Engelm. in Proc. Amer. Acad. Arts 3: 272. 1856 syn. sec. Tropicos ≡ *Echinocactus wrightii* (Engelm.) Small, Fl. S.E. U.S.: 815. 1903 syn. sec. Tropicos ≡ *Echinocactus uncinatus* f. *wrightii* (Engelm.) Schelle, Handb. Kakteenkult.: 160. 1907 syn. sec. Kew WCVP (2019) ≡ *Ancistrocactus uncinatus* var. *wrightii* (Engelm.) L.D.Benson in Britton & Rose, Cactaceae 4 4: 4. 1923 syn. sec. Kew WCVP (2019) ≡ *Hamatocactus wrightii* (Engelm.) Orcutt in Cactography 6. 1926 syn. sec. Tropicos ≡ *Echinomastus uncinatus* var. *wrightii* (Engelm.) F.M.Knuth, Kaktus-ABC: 358. 1936 ["1935"] syn. sec. Tropicos ≡ *Thelocactus uncinatus* var. *wrightii* (Engelm.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942 syn. sec. Kew WCVP (2019) ≡ *Glandulicactus uncinatus* var. *wrightii* (Engelm.) Backeb., Cactaceae 5: 2925. 1961 syn. sec. Kew WCVP (2019) ≡ *Ferocactus uncinatus* var. *wrightii* (Engelm.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 31. 1979 syn. sec. Kew WCVP (2019) ≡ *Hamatocactus uncinatus* var. *wrightii* (Engelm.) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Tropicos ≡ *Sclerocactus uncinatus* var. *wrightii* (Engelm.) N.P.Taylor in Bradleya 5: 94. 1987 syn. sec. Hunt (2006) ≡ *Glandulicactus wrightii* (Engelm.) D.J.Ferguson in Cact. Succ. J. (Los Angeles) 63: 89. 1991 syn. sec. Tropicos ≡ *Sclerocactus uncinatus* subsp. *wrightii* (Engelm.) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998 syn. sec. Hunt (2006) ≡ *Pediocactus uncinatus* var. *wrightii* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 25. 1998 syn. sec. Tropicos ≡ *Ancistrocactus uncinatus* subsp. *wrightii* (Engelm.) Doweld in Cactus & Co. 5: 86. 2001 syn. sec. Kew WCVP (2019) ≡ *Glandulicactus uncinatus* subsp. *wrightii* (Engelm.) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Tropicos
- = *Echinocactus wrightii* J.M.Coult. in Cycl. Amer. Hort. 2: 513. 1900 syn. sec. Tropicos

***Ferocactus viridescens* (Torr. & A.Gray) Britton & Rose, Cactaceae 3: 140. 1922. Sec. Hunt (2006)**

- ≡ *Echinocactus viridescens* Torr. & A.Gray, Fl. N. Amer. 1(4): 554. 1840 syn. sec. Hunt (2006) ≡ *Ferocactus viridescens* var. *viridescens*
- = *Echinocactus viridescens* Nutt. in Fl. N. Amer. 1: 544. 1840 syn. sec. Tropicos ≡ *Melocactus viridescens* Nutt. ex Teschem. in J. Boston Soc. Nat. Hist. 5: 293. 1845 syn. sec. Britton & Rose (1922)
- = *Echinocactus cylindraceus* Engelm. in Pacif. Railr. Rep. Parke, Bot. 4: 32. 1857 syn. sec. Kew WCVP (2019)
- = *Echinocactus orcuttii* Engelm. ex Orcutt in W. Amer. Sci. 2: 46. 1886 syn. sec. Hunt (2006) ≡ *Ferocactus orcuttii* (Engelm. ex Orcutt) Britton & Rose, Cactaceae 3: 134. 1922 syn. sec. Hunt (2006) ≡ *Ferocactus viridescens* var. *orcuttii* (Engelm. ex Orcutt) G.Unger, Grossen Kugelkakteen Nordamerikas: 105. 1992 syn. sec. Hunt (2006) ≡ *Ferocactus viridescens* subsp. *orcuttii* (Engelm. ex Orcutt) F.Wolf & R.Wolf, Ferokakt. Baja California: 218. 2004 syn. sec. Hunt (2006)
- = *Echinocactus limitus* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 374. 1895 syn. sec. Britton & Rose (1922)
- = *Ferocactus viridescens* var. *littoralis* G.E.Linds. in Cact. Succ. J. (Los Angeles) 36: 8. 1964 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus viridescens* subsp. *littoralis* (G.E.Linds.) F.Wolf & R.Wolf, Ferokakt. Baja California: 207. 2004 syn. sec. Korotkova (2021)

***Ferocactus wislizeni* (Engelm.) Britton & Rose, Cactaceae 3: 127. 1922. Sec. Hunt (2006)**

- ≡ *Echinocactus wislizeni* Engelm., Mem. Tour N. Mexico: 96–97. 1848 syn. sec. Britton & Rose (1922) ≡ *Ferocactus wislizeni* var. *wislizeni* syn. sec. Hunt (2006)
- = *Echinocactus wislizeni* var. *decipiens* Engelm. in Rep. U.S. Geogr. Surv., Wheeler 6: 128. 1879 syn. sec. Britton & Rose (1922)
- = *Echinocactus wislizeni* var. *albispinus* Toumey in Gard. & Forest 8: 154. 1895 syn. sec. Tropicos ≡ *Echinocactus wislizeni* f. *albispinus* (Toumey) Schelle, Kakteen: 208. 1926 syn. sec. Hunt (2006) ≡ *Ferocactus wislizeni* var. *albispinus* (Toumey) Y.Itô, Cacti, ed. 2: 105. 1952 syn. sec. Tropicos
- = *Echinocactus falconeri* Orcutt in W. Amer. Sci. 13: 31. 1902 syn. sec. Kew WCVP (2019) ≡ *Ferocactus falconeri* (Orcutt) Orcutt in Cactography 6. 1926 syn. sec. Guzmán Cruz & al. (2003) – *Ferocactus wislizeni* var. *falconeri* (Orcutt) Y.Itô, Cactaceae: 495. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Echinocactus arizonicus* R.E.Kunze in Monatsschr. Kakteenk. 19: 149. 1909 syn. sec. Kew WCVP (2019) ≡ *Ferocactus arizonicus* (R.E.Kunze) Orcutt in Cactography 6. 1926 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus wislizeni* var. *phoeniceus* R.E.Kunze in Monatsschr. Kakteenk. 23: 8. 1913 syn. sec. Tropicos ≡ *Ferocactus phoeniceus* (R.E.Kunze) Orcutt in Cactography 6. 1926 syn. sec. Kew WCVP (2019) ≡ *Echinocactus wislizeni* f. *phoeniceus* (R.E.Kunze) Schelle, Kakteen: 208. 1926 syn. sec. Tropicos ≡ *Ferocactus wislizeni* var. *phoeniceus* (R.E.Kunze) Y.Itô, Cacti, ed. 2: 105. 1952 syn. sec. Korotkova (2021)
- = *Ferocactus wislizeni* var. *ajoensis* Fencel & Kalas in Kaktusy (Brno) 48(Priloha): 37. 2012 syn. sec. Kew WCVP (2019) ≡ *Ferocactus wislizeni* subsp. *ajoensis* Fencel & Kalas in Bradleya 31: 7. 2013 syn. sec. Kew WCVP (2019)

***Frailea* Britton & Rose, Cactaceae 3: 208. 1922. Sec. Hunt (2006)**

Type: *Frailea cataphracta* (Dams) Britton & Rose

Notes. – The combination of several *Frailea* names under *Astrophytum* by Halda & Malina (2005) reflects only a superficial similarity of seeds and flowers. This supposed close relationship had already been postulated by Buxbaum (1951) but has no

phylogenetic support up to now. *Frailea* is one of several genera that, according to molecular phylogenies, have an isolated position within the *Cactoideae*, but the relationship to other clades is still not finally resolved (Hernández-Hernández & al. 2011). [Metzing (2021)]

***Frailea alexandri* Metzing, *Bradleya* 24: 124–121, 123, 125, f. 8–10, 12, 13a–c. 2006.** Sec. Hunt (2016)

***Frailea amerhauseri* Prestlé in *Succulenta (Netherlands)* 81(3): 130. 2002.** Sec. Metzing (2021)

***Frailea buenekeri* W.R.Abraham in *Succulenta (Netherlands)* 69: 64. 1990.** Sec. Hunt (2006)

≡ *Astrophytum buenekeri* (W.R.Abraham) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Hunt (2006)

***Frailea buenekeri* subsp. *buenekeri*.** Sec. Hunt (2006)

***Frailea buenekeri* subsp. *densispina* Hofacker & K.Herm in *Kakteen And. Sukk.* 48(3): 61, fig. 1997.** Sec. Hunt (2006)

≡ *Frailea densispina* (Hofacker & K.Herm) N.Gerloff in *Cactus & Co.* 5(3): 142. 2001 syn. sec. Hunt (2006)

***Frailea castanea* Backeb., *Kaktus-ABC: 248, 415. 1936* ["1935"].** Sec. Hunt (2006)

≡ *Astrophytum castaneum* (Backeb.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Hunt (2006)

= *Frailea asterioides* Werderm. in *Repert. Spec. Nov. Regni Veg.* 42: 6. 1937 syn. sec. Hunt (2006) ≡ *Echinocactus asterioides* (Werderm.) Blossf., *Kakteensamen*: 11. 1938 syn. sec. Hunt (2006) ≡ *Astrophytum asterioides* (Werderm.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Kew WCVP (2019)

= *Frailea asterioides* var. *backebergii* F.Ritter, *Kakteen Südamerika* 1: 210. 1979 syn. sec. Kew WCVP (2019)

= *Frailea asterioides* var. *harmoniana* F.Ritter, *Kakteen Südamerika* 1: 211. 1979 syn. sec. Hunt (2006) ≡ *Frailea castanea* subsp. *harmoniana* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 130. 1995 syn. sec. Hunt (2006)

***Frailea cataphracta* (Dams) Britton & Rose, *Cactaceae* 3: 210. 1922.** Sec. Kiesling & al. (2014)

≡ *Echinocactus cataphractus* Dams in *Monatsschr. Kakteenk.* 14: 172. 1904 syn. sec. Kiesling & al. (2014) ≡ *Astrophytum*

cataphractum (Dams) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Kiesling & al. (2014)

= *Frailea uhligiana* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kiesling & al. (2014) ≡ *Astrophytum uhligianum* (Backeb.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 15. 2005 syn. sec. Kiesling & al. (2014)

= *Frailea cataphractoides* Backeb., *Kakteenlex.*: 159. 1966 syn. sec. Hunt (2006)

= *Frailea matoana* Buining & Brederoo in *Cact. Succ. J. (Los Angeles)* 43: 139. 1971 syn. sec. Hunt (2006) ≡ *Frailea schilinzkyana* subsp. *matoana* (Buining & Brederoo) Berka in *Kaktusy (Brno)* 40(Spec. 1): 14. 2004 syn. sec. Kew WCVP (2019) ≡ *Astrophytum matoanum* (Buining & Brederoo) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005 syn. sec. Kew WCVP (2019)

= *Frailea melitae* Buining & Brederoo in *Kakteen And. Sukk.* 25: 121. 1974 syn. sec. Hunt (2006) ≡ *Frailea cataphracta* subsp. *melitae* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 130. 1995 syn. sec. Kew WCVP (2019) ≡ *Astrophytum melitae* (Buining & Brederoo) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005 syn. sec. Kew WCVP (2019)

= *Frailea cataphracta* var. *duchii* G.Moser in *Natl. Cact. Succ. J.* 32: 83. 1977 syn. sec. Hunt (2006) ≡ *Frailea cataphracta* subsp. *duchii* (G.Moser) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 130. 1995 syn. sec. Hunt (2006)

***Frailea chiquitana* Cárdenas in *Revista Agric. (Cochabamba)* 6: 8. 1951.** Sec. Kiesling & al. (2014)

≡ *Astrophytum chiquitanum* (Cárdenas) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Kiesling & al. (2014)

= *Frailea pullispina* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kiesling & al. (2014) ≡ *Astrophytum pullispinum* (Backeb.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005 syn. sec. Kiesling & al. (2014)

= *Frailea pullispina* var. *atrispina* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kew WCVP (2019)

= *Frailea pullispina* var. *centrispina* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kew WCVP (2019)

***Frailea curvispina* Buining & Brederoo in *Krainz, Kakteen* 50-51: CVIe. 1972.** Sec. Hunt (2006)

≡ *Astrophytum curvispinum* (Buining & Brederoo) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Hunt (2006)

***Frailea diersiana* Schädlich in *Kakteen And. Sukk.* 71(7): 199. 2020.** Sec. Schädlich (2020)

***Frailea erythracantha* R.Pontes, A.S.Oliveira & Deble in *Phytotaxa* 369: 212. 2018.** Sec. Pontes & al. (2018)

***Frailea fulviseta* Buining & Brederoo in *Kakteen And. Sukk.* 24(8): 170. 1973.** Sec. Hunt (2006)

≡ *Frailea pygmaea* subsp. *fulviseta* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Hunt (2006) ≡ *Astrophytum fulvisetum* (Buining & Brederoo) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Hunt (2006)

***Frailea gracillima* (Lem.) Britton & Rose, *Cactaceae* 3: 209. 1922.** Sec. Hunt (2006)

≡ *Echinocactus gracillimus* Monv. ex Lem., *Cact. Gen. Sp. Nov.*: 24. 1839 syn. sec. Britton & Rose (1922) ≡ *Astrophytum*

gracillimum (Lem.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Hunt (2006)

= *Echinocactus gracilis* Hort. ex C.F.Först., *Handb. Cacteenk.*: 304. 1846 syn. sec. Metzing (2021)

= *Echinocactus pumilus* var. *gracillimus* K.Schum., *Gesamtbeschr. Kakt.*: 394. 1898 syn. sec. Britton & Rose (1922)

= *Frailea stockingeri* Prestlé, *Gattung Frailea*: 136. 1997 syn. sec. Metzing (2021)

***Frailea gracillima* subsp. *gracillima*. Sec. Hunt (2006)**

- = *Frailea alacriportana* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 174. 1949 syn. sec. Hunt (2006) ≡ *Frailea gracillima* subsp. *alacriportana* (Backeb. & Voll) N.Gerloff in Mitt. Frailea 2: 15. 1997 syn. sec. Hunt (2006) ≡ *Astrophytum alacriportanum* (Backeb. & Voll) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 12. 2005 syn. sec. Hunt (2006)
- = *Frailea albifusca* F.Ritter in Succulenta (Netherlands) 49: 124. 1970 syn. sec. Hunt (2006) ≡ *Frailea gracillima* subsp. *albifusca* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 130. 1995 syn. sec. Hunt (2006) ≡ *Astrophytum albifuscum* (F.Ritter) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 12. 2005 syn. sec. Hunt (2006)
- = *Frailea lepida* Buining & Brederoo in Krainz, Kakteen 54: CVIe. 1973 syn. sec. Hunt (2006) ≡ *Frailea gracillima* f. *lepida* (Buining & Brederoo) Hofacker & Berka in Kaktusy (Brno) 40(Spec. 1): 15. 2004 syn. sec. Hunt (2006) ≡ *Astrophytum lepidum* (Buining & Brederoo) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Frailea pseudogracillima* F.Ritter, Kakteen Südamerika 1: 201. 1979 syn. sec. Hunt (2006) ≡ *Astrophytum pseudogracillimum* (F.Ritter) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Frailea altasensis* Prestlé, Gattung Frailea: 126. 1997 syn. sec. Metzging (2021)

***Frailea gracillima* subsp. *horstii* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 130. 1995. Sec. Hunt (2006)**

- ≡ *Frailea horstii* F.Ritter, Kakteen Südamerika 1: 202. 1979 syn. sec. Hunt (2006) ≡ *Astrophytum horstii* (F.Ritter) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 13. 2005 syn. sec. Hunt (2006)
- = *Frailea buiningiana* Prestlé, Gattung Frailea: 133. 1997 syn. sec. Hunt (2006)
- = *Frailea buiningiana* f. *gracilisipina* Prestlé, Gattung Frailea: 135. 1997 syn. sec. Kew WCVP (2019)
- = *Frailea horstii* subsp. *fecotrigensis* Prestlé, Gattung Frailea: 131. 1997 syn. sec. Hunt (2006) ≡ *Frailea gracillima* var. *fecotrigensis* (Prestlé) Berka in Kaktusy (Brno) 40(Spec. 1): 15. 2004 syn. sec. Kew WCVP (2019)

Frailea larae* R.Vásquez in Revista Soc. Estud. Bot. 1: 5. 1994. Sec. Kiesling & al. (2014)**Frailea mammifera* Buining & Brederoo in Krainz, Kakteen 50-51: CVIe. 1972. Sec. Kiesling & al. (2014)**

- ≡ *Astrophytum mammiferum* (Buining & Brederoo) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Kiesling & al. (2014)
- = *Frailea magnifica* Buining ex Prestlé, Gattung Frailea: 56. 1997 syn. sec. Hunt (2016)
- = *Frailea atrobella* Diers, Krahn & R.Vásquez in Kakteen And. Sukk. 62: 156. 2011 syn. sec. Kiesling & al. (2014)

Frailea mammifera* subsp. *angelesiae* R.Kiesling & Metzging in Cactaceae Syst. Init. 21: 18. 2006. Sec. Hunt (2006)**Frailea mammifera* subsp. *mammifera*. Sec. Hunt (2006)*****Frailea phaeodisca* (Speg.) Backeb. & F.M.Knuth, Kaktus-ABC: 250. 1936 ["1935"]. Sec. Hunt (2006)**

- ≡ *Echinocactus pygmaeus* var. *phaeodiscus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 498. 1905 syn. sec. Hunt (2006) ≡ *Frailea pygmaea* var. *phaeodisca* (Speg.) Y.Itô, Cacti, ed. 2: 70. 1952 syn. sec. Hunt (2006) ≡ *Astrophytum phaeodiscum* (Speg.) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Frailea perbella* Prestlé in Succulenta (Netherlands) 59: 115. 1980 syn. sec. Hunt (2006) ≡ *Astrophytum perbellum* (Prestlé) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Kew WCVP (2019)

***Frailea pumila* (Lem.) Britton & Rose, Cactaceae 3: 209-210, f. 223. 1922. Sec. Hunt (2006)**

- ≡ *Echinocactus pumilus* Lem., Cact. Aliq. Nov.: 21. 1838 syn. sec. Hunt (2006) ≡ *Astrophytum pumilum* (Lem.) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Echinocactus knippelianus* Quehl in Monatsschr. Kakteenk. 12: 9. 1902 syn. sec. Hunt (2006) ≡ *Frailea knippeliana* (Quehl) Britton & Rose, Cactaceae 3: 211. 1922 syn. sec. Hunt (2006) ≡ *Astrophytum knippelianum* (Quehl) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Echinocactus colombianus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 271. 1931 syn. sec. Hunt (2006) ≡ *Frailea colombiana* (Werderm.) Backeb., Kaktus-ABC: 248. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Frailea pumila* subsp. *colombiana* (Werderm.) Prestlé in Gattung Frailea: 156. 1997 syn. sec. Hunt (2006)
- = *Frailea carminifilamentosa* Kilian, Descr. Cact. Nov. 3: 6. 1963 syn. sec. Hunt (2006) ≡ *Astrophytum carminifilamentosum* (Kilian) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 13. 2005 syn. sec. Kew WCVP (2019)
- = *Frailea carminifilamentosa* var. *winkelmanniana* Kilian ex Backeb., Kakteenlex.: 159. 1966 syn. sec. Kew WCVP (2019)
- = *Frailea hlineckyana* Červinka in Frailea 1971(2): 13. 1971 syn. sec. Hunt (2006) ≡ *Frailea pumila* subsp. *hlineckiana* (Červinka) Prestlé, Gattung Frailea: 159. 1997 syn. sec. Kew WCVP (2019)
- = *Frailea jajoiana* Červinka in Frailea 1971(2): 13. 1971 syn. sec. Hunt (2006) ≡ *Frailea pumila* subsp. *jajoiana* (Červinka) Prestlé, Gattung Frailea: 160. 1997 syn. sec. Kew WCVP (2019)
- = *Frailea albiareolata* Buining & Brederoo in Krainz, Kakteen 53: CVIe. 1973 syn. sec. Hunt (2006) ≡ *Frailea pumila* subsp. *albiareolata* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 130. 1995 syn. sec. Kew WCVP (2019) ≡ *Astrophytum albiareolatum* (Buining & Brederoo) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 12. 2005 syn. sec. Hunt (2006)
- = *Frailea deminuta* Buining & Brederoo in Krainz, Kakteen 54: CVIe. 1973 syn. sec. Hunt (2006) ≡ *Frailea pumila* subsp. *deminuta* (Buining & Brederoo) Prestlé, Gattung Frailea: 170. 1997 syn. sec. Hunt (2006) ≡ *Astrophytum deminutum* (Buining & Brederoo) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 13. 2005 syn. sec. Hunt (2006)
- = *Frailea pumila* var. *maior* F.Ritter, Kakteen Südamerika 1: 206. 1979 syn. sec. Kew WCVP (2019) ≡ *Frailea pumila* subsp. *maior* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 130. 1995 syn. sec. Kew WCVP (2019)
- = *Astrophytum chrysacanthum* (Hrabě) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 13. 2005 syn. sec. Hunt (2006) – *Frailea chrysacantha* Hrabě in Kaktusy (Brno) 1: 131. 1965, nom. inval. syn. sec. Hunt (2006)

***Frailea pygmaea* (Speg.) Britton & Rose, *Cactaceae* 3: 210–211. 1922.** Sec. Kiesling & al. (2014)

- ≡ *Echinocactus pygmaeus* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 497. 1905 syn. sec. Kiesling & al. (2014) ≡ *Astrophytum pygmaeum* (Speg.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005 syn. sec. Kiesling & al. (2014)
- = *Echinocactus dadakii* Frič ex A.Berger, *Kakteen*: 218. 1929 syn. sec. Metzging (2021) ≡ *Frailea dadakii* Frič ex A.Berger, *Kakteen*: 218. 1929 syn. sec. Metzging (2021) ≡ *Frailea pygmaea* var. *dadakii* (Frič ex A.Berger) Backeb., *Cactaceae* 3: 1660. 1959 syn. sec. Metzging (2021) ≡ *Astrophytum dadakii* (Frič ex A.Berger) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Metzging (2021)
- = *Frailea aurea* Backeb., *Kaktus-ABC*: 247. 1936 ["1935"] syn. sec. Metzging (2021) ≡ *Frailea pygmaea* var. *aurea* (Backeb.) Backeb., *Cactaceae* 3: 1661. 1959 syn. sec. Metzging (2021) ≡ *Astrophytum aureum* (Backeb.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Kew WCVP (2019)
- = *Frailea pseudopulcherrima* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 294. 1957 syn. sec. Hunt (2016) ≡ *Astrophytum pseudopulcherrimum* (Y.Itô) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005
- = *Frailea asperispina* F.Ritter in *Succulenta (Netherlands)* 49: 124. 1970 syn. sec. Metzging (2021) ≡ *Frailea pygmaea* subsp. *asperispina* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Kew WCVP (2019) ≡ *Astrophytum asperispinum* (F.Ritter) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Kew WCVP (2019)
- = *Frailea aureispina* F.Ritter in *Succulenta (Netherlands)* 49: 124. 1970 syn. sec. Kiesling & al. (2014) ≡ *Frailea pygmaea* subsp. *aureispina* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Kiesling & al. (2014) ≡ *Astrophytum aureispinum* (F.Ritter) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Kiesling & al. (2014)
- = *Frailea aureinitens* Buining & Brederoo in *Succulenta (Netherlands)* 55: 62. 1976 syn. sec. Kew WCVP (2019) ≡ *Frailea pygmaea* subsp. *aureinitens* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Tropicos ≡ *Frailea pygmaea* var. *aureinitens* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74(3): 131. 1995 syn. sec. Tropicos ≡ *Astrophytum aureinitens* (Buining & Brederoo) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Tropicos
- *Frailea pygmaea* var. *atrofusca* Backeb., *Cactaceae* 3: 1660. 1959, nom. inval. syn. sec. Kew WCVP (2019)

***Frailea pygmaea* subsp. *albicolumnaris* (F.Ritter) Hofacker in *Cactaceae Consensus Init.* 6: 11. 1998.** Sec. Hunt (2006)

- ≡ *Frailea albicolumnaris* F.Ritter, *Kakteen Südamerika* 1: 207. 1979 syn. sec. Hunt (2006) ≡ *Astrophytum albicolumnare* (F.Ritter) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005 syn. sec. Hunt (2006)

***Frailea pygmaea* subsp. *pygmaea*.** Sec. Hunt (2006)

- = *Echinocactus pulcherrimus* Arechav. in *Anales Mus. Nac. Montevideo* 5: 222. 1905 syn. sec. Hunt (2006) ≡ *Malacocarpus pulcherrimus* (Arechav.) Britton & Rose, *Cactaceae* 3: 194, f. 206. 1922 syn. sec. Hunt (2006) ≡ *Frailea pulcherrima* (Arechav.) Speg. in *Anales Soc. Ci. Argent.* 99: 131. 1925 syn. sec. Hunt (2006) ≡ *Frailea pygmaea* var. *pulcherrima* (Arechav.) Prestlé, *Gattung Frailea*: 84. 1997 syn. sec. Hunt (2006) ≡ *Astrophytum pulcherrimum* (Arechav.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 14. 2005 syn. sec. Hunt (2006)
- = *Frailea aureispina* var. *pallidior* F.Ritter, *Kakteen Südamerika* 1: 209. 1979 syn. sec. Kew WCVP (2019)
- = *Frailea pygmaea* var. *altigibbera* F.Ritter, *Kakteen Südamerika* 1: 203. 1979 syn. sec. Hunt (2006) ≡ *Frailea pygmaea* subsp. *altigibbera* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Hunt (2006)
- = *Frailea pygmaea* var. *curvispina* F.Ritter, *Kakteen Südamerika* 1: 204. 1979 syn. sec. Kew WCVP (2019)
- = *Frailea pygmaea* var. *lilalunula* F.Ritter, *Kakteen Südamerika* 1: 203. 1979 syn. sec. Hunt (2006) ≡ *Frailea pygmaea* subsp. *lilalunula* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Hunt (2006)
- = *Frailea pygmaea* var. *longispina* F.Ritter, *Kakteen Südamerika* 1: 204. 1979 syn. sec. Kew WCVP (2019)
- = *Frailea pygmaea* var. *maior* F.Ritter, *Kakteen Südamerika* 1: 204. 1979 syn. sec. Kew WCVP (2019)
- = *Frailea pygmaea* var. *planicosta* F.Ritter, *Kakteen Südamerika* 1: 204. 1979 syn. sec. Kew WCVP (2019)

***Frailea pygmaea* subsp. *tuyensis* (Buining & G.Moser) Metzging in *Cactaceae Syst. Init.* 21: 16. 2006.** Sec. Hunt (2006)

- ≡ *Frailea cataphracta* var. *tuyensis* Buining & G.Moser in *Succulenta (Netherlands)* 50: 64. 1971 syn. sec. Hunt (2006) ≡ *Frailea tuyensis* Buining & G.Moser in *Succulentes (France)* 50(4): 64. 1971 syn. sec. Hunt (2006) ≡ *Frailea tuyensis* (Buining & G.Moser) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74(3): 130. 1995 syn. sec. Hunt (2006) ≡ *Frailea cataphracta* subsp. *tuyensis* (Buining & G.Moser) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 130. 1995 syn. sec. Hunt (2006)

***Frailea schilinzkyana* (F.Haage) Britton & Rose, *Cactaceae* 3: 210. 1922.** Sec. Kiesling & al. (2014)

- ≡ *Echinocactus schilinzkyanus* F.Haage ex K.Schum. in *Monatsschr. Kakteenk.* 7: 108. 1897 syn. sec. Kiesling & al. (2014) ≡ *Cactus schilinzkyanus* (F.Haage ex K.Schum.) Kuntze in *Deutsche Bot. Monatsschr.* 21: 173. 1903 syn. sec. Kew WCVP (2019) ≡ *Astrophytum schilinzkyanum* (F.Haage ex K.Schum.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 15. 2005 syn. sec. Kiesling & al. (2014)
- = *Echinocactus schilinzkyanus* var. *grandiflorus* F.Haage in *Monatsschr. Kakteenk.* 8: 143. 1898 syn. sec. WFO 2019
- = *Echinocactus grahlianus* F.Haage ex K.Schum. in *Monatsschr. Kakteenk.* 9: 54. 1899 ≡ *Cactus grahlianus* (F.Haage ex K.Schum.) Kuntze in *Deutsche Bot. Monatsschr.* 21: 173. 1903 syn. sec. Metzging (2021) ≡ *Frailea grahliana* (F.Haage ex K.Schum.) Britton & Rose, *Cactaceae* 3: 209. 1922 syn. sec. Hunt (2006) ≡ *Astrophytum grahlianum* (F.Haage ex K.Schum.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 13. 2005 syn. sec. Metzging (2021)
- = *Echinocactus grahlianus* var. *adustior* Rolfe in *Monatsschr. Kakteenk.* 14: 156. 1904 syn. sec. Britton & Rose (1922)

- = *Frailea perumbilicata* F.Ritter in Succulenta (Netherlands) 49: 125. 1970 syn. sec. Hunt (2006) ≡ *Frailea castanea* var. *perumbilicata* (F.Ritter) Prestlé, Gattung Frailea: 213. 1997 syn. sec. Kew WCVP (2019) ≡ *Astrophytum perumbilicatum* (F.Ritter) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Kew WCVP (2019)
- = *Frailea moseriana* Buining & Brederoo in Krainz, Kakteen 50-51: CVIe. 1972 syn. sec. Hunt (2006) ≡ *Frailea grahliana* subsp. *moseriana* (Buining & Brederoo) Prestlé, Gattung Frailea: 196. 1997 syn. sec. Kew WCVP (2019) ≡ *Astrophytum moserianum* (Buining & Brederoo) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 14. 2005 syn. sec. Kew WCVP (2019)
- = *Frailea perumbilicata* var. *spinosior* F.Ritter, Kakteen Südamerika 1: 207. 1979 syn. sec. Kew WCVP (2019) ≡ *Frailea castanea* subvar. *spinosior* (F.Ritter) Prestlé, Gattung Frailea: 214. 1997 syn. sec. Kew WCVP (2019)

***Frailea schilinzkyana* subsp. *concepcionensis* (Buining & G.Moser) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 131. 1995. Sec. Hunt (2006)**

- ≡ *Frailea concepcionensis* Buining & G.Moser in Succulenta (Netherlands) 50(3): 49. 1971 syn. sec. Hunt (2006)
- = *Frailea angelicana* Diers & Schädlich in Kakteen And. Sukk. 64: 212. 2013 syn. sec. Kew WCVP (2019)
- = *Frailea piltzii* C.A.L.Bercht & Schädlich in Succulenta (Netherlands) 96(6): 254. 2017 syn. sec. Metzger (2021)

***Frailea schilinzkyana* subsp. *schilinzkyana*. Sec. Hunt (2006)**

- = *Frailea friedrichii* Buining & G.Moser in Succulenta (Netherlands) 50: 25. 1971 syn. sec. Hunt (2006)
- = *Frailea ignacionensis* Buining & G.Moser in Succulenta (Netherlands) 50: 63. 1971 syn. sec. Hunt (2006)
- = *Frailea ybatense* Buining & G.Moser in Succulenta (Netherlands) 50: 46. 1971 syn. sec. Hunt (2006)

***Geohintonia* Glass & W.A.Fitz Maur. in Cact. Suc. Mex. 37(1): 16. 1992. Sec. Vázquez-Sánchez & al. (2013)**

Type: *Geohintonia mexicana* Glass & W.A.Fitz Maur.

Notes. – Monotypic; sampled by Vázquez-Sánchez & al. (2013) and resolved as sister to *Aztekium*. [Hernández-Ledesma & al. (2015)]

***Geohintonia mexicana* Glass & W.A.Fitz Maur. in Cact. Suc. Mex. 37(1): 17. 1992. Sec. Vázquez-Sánchez & al. (2013)**

- ≡ *Echinocactus mexicanus* (Glass & W.A.Fitz Maur.) Halda in Acta Mus. Richnov., Sect. Nat., 7: 72. 2000 syn. sec. Kew WCVP (2019) ≡ *Aztekium mexicanum* (Glass & W.A.Fitz Maur.) Barmon & Corman in Succulentopii@ 15: 10. 2015 syn. sec. Korotkova (2021)

***Grusonia* F.Rchb. ex Britton & Rose, Cactaceae 1: 215. 1919. Sec. Majure (2021)**

Type: *Grusonia bradtiana* (J.M.Coult.) Britton & Rose

- = *Corynopuntia* F.M.Knuth, Kaktus-ABC: 114, 410. 1936 ["1935"] syn. sec. Hunt (2016). Type: *Corynopuntia clavata* (Engelm.) F.M.Knuth
- = *Marenopuntia* Backeb. in Desert Pl. Life 22: 27. 1950 syn. sec. Hunt (2016). Type: *Marenopuntia marenae* (S.H.Parsons) Backeb.

Notes. – **Phylogenetics:** *Corynopuntia* was included in *Grusonia* s.l. (Wallace & Dickie 2002; Anderson 2001, 2005; Nyffeler & Egli 2010), then accepted as separate genus by Hunt (2006). Griffith & Porter (2009) argue for recognizing *Corynopuntia* as a distinct genus, and *Grusonia* as monotypic, although support for the monophyly of *Corynopuntia* was only 67% BS in their study. Their data also suggest that *Micropuntia* could be recognised as a separate genus. Bárcenas & al. (2011) do not find support for treating *Corynopuntia* separate from *Grusonia*, and in addition find no support for a monophyletic *Corynopuntia*. Majure & al. (2019) showed that the characters used to separate *Corynopuntia* from *Grusonia* are either plesiomorphic or convergent, thus, there is no clear reason for separating these taxa into two genera. However, they did show that the genus *Micropuntia* (formerly *Grusonia pulchella*) was sister to a *Grusonia* and *Cylindropuntia* clade, and thus, should be recognized as a monotypic genus. See also notes under *Cylindropuntia* and *Micropuntia*. [Majure (2021)]

***Grusonia aggeria* (Ralston & Hilsenb.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 324. 1999. Sec. Parfitt & Gibson (2003)**

- ≡ *Opuntia aggeria* Ralston & Hilsenb. in Madroño 36(4): 226–228, f. 2. 1989 syn. sec. Parfitt & Gibson (2003) ≡ *Corynopuntia aggeria* (Ralston & Hilsenb.) M.P.Griff. in Haseltonia 9: 91. 2003

***Grusonia agglomerata* (A.Berger) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 325. 1999. Sec. Bárcenas & Hawkins (2017)**

- ≡ *Opuntia agglomerata* A.Berger, Kakteen: 58. 1929 syn. sec. Bárcenas & Hawkins (2017) ≡ *Corynopuntia agglomerata* (A.Berger) F.M.Knuth, Kaktus-ABC: 116. 1936 ["1935"] syn. sec. Bárcenas & Hawkins (2017)

***Grusonia bradtiana* (J.M.Coult.) Britton & Rose, Cactaceae 1: 215. 1919. Sec. Hernández & al. (2014)**

- ≡ *Cereus bradtianus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 406. 1896 syn. sec. Hernández & al. (2014) ≡ *Opuntia bradtiana* (J.M.Coult.) K.Brandegee in Erythea 5: 121. 1897 syn. sec. Hunt (2006)
- = *Grusonia cereiformis* K.Schum. in Monatsschr. Kakteenk. 4: 110. 1894 syn. sec. Hernández & al. (2014)
- = *Opuntia cereiformis* F.A.C.Weber, Dict. Hort.: 897. 1898 syn. sec. Tropicos

***Grusonia bulbispina* (Engelm.) H.Rob. in Phytologia 26(3): 176. 1973. Sec. Hernández & al. (2014)**

- ≡ *Opuntia bulbispina* Engelm. in Proc. Amer. Acad. Arts 3: 304–305. 1856 syn. sec. Hernández & al. (2014) ≡ *Corynopuntia bulbispina* (Engelm.) F.M.Knuth, Kaktus-ABC: 115. 1936 ["1935"] syn. sec. Hernández & al. (2014)
- = *Cactus bulbispinus* Lem., Cactées: 88. 1868 syn. sec. Britton & Rose (1923)

- Grusonia bulbispina* subsp. *basileocephala* (D.Donati) Majure, M.A.Baker & Cloud-H. in *Haseltonia* 25: 16. 2018.** Sec. Baker & Pinkava
 ≡ *Corynopuntia bulbispina* subsp. *basileocephala* D.Donati in *Piante Grasse* 31: 17. 2011
- Grusonia bulbispina* subsp. *bulbispina*.** Sec. Donati (2011)
- Grusonia clavata* (Engelm.) H.Rob. in *Phytologia* 26(3): 176. 1973.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia clavata* Engelm., Mem. Tour N. Mexico: 95. 1848 syn. sec. Parfitt & Gibson (2003) ≡ *Cactus clavatus* (Engelm.) Lem., *Cactées*: 88. 1868 syn. sec. Parfitt & Gibson (2003) ≡ *Cylindropuntia clavata* (Engelm.) F.M.Knuth, *Nye kaktusbog*: 131. 1930 syn. sec. Kew WCVP (2019) ≡ *Corynopuntia clavata* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 115. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003)
- Grusonia deinacantha* (D.Donati) Majure, M.A.Baker & Cloud-H. in *Haseltonia* 25: 16. 2018.** Sec. Baker & Pinkava
 ≡ *Corynopuntia deinacantha* D.Donati in *Webbia* 72: 106. 2017
- Grusonia densispina* (Ralston & Hilsenb.) Pinkava in *J. Arizona-Nevada Acad. Sci.* 34(1): 45. 2002.** Sec. Kew WCVP (2019)
 ≡ *Opuntia densispina* Ralston & Hilsenb. in *Madroño* 39(4): 281–284, f. 1. 1992 syn. sec. Hunt (2016) ≡ *Corynopuntia densispina* (Ralston & Hilsenb.) Fensterm. in *Phytoneuron* 2016-1: 24. 2016 syn. sec. Kew WCVP (2019)
- Grusonia emoryi* (Engelm.) Pinkava in *J. Arizona-Nevada Acad. Sci.* 32(1): 50. 1999.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia emoryi* Engelm. in *Proc. Amer. Acad. Arts* 3: 303–304. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Cactus emoryi* (Engelm.) Lem., *Cactées*: 88. 1868 syn. sec. Pinkava & Parfitt (1988) ≡ *Corynopuntia emoryi* (Engelm.) M.P.Griff. in *Haseltonia* 9: 91. 2003 syn. sec. Hunt (2016)
 = *Opuntia stanlyi* Engelm., *Not. Milit. Recon.* 2: 157. 1848 syn. sec. TPL (2013) ≡ *Cylindropuntia stanlyi* F.M.Knuth, *Nye kaktusbog*: 132. 1930 syn. sec. Kew WCVP (2019) ≡ *Corynopuntia stanlyi* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 114. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003) ≡ *Grusonia stanlyi* (Engelm.) H.Rob. in *Phytologia* 26: 176. 1973 syn. sec. Kew WCVP (2019) – *Opuntia stanleyi* Engelm., *Not. Milit. Recon.* 2: 157. 1848 syn. sec. IPNI [is orthographic variant for *Opuntia stanlyi* Engelm.]
- Grusonia grahamii* (Engelm.) H.Rob. in *Phytologia* 26(3): 176. 1973.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia grahamii* Engelm. in *Proc. Amer. Acad. Arts* 3: 304. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Corynopuntia grahamii* (Engelm.) F.M.Knuth, *Kaktus-ABC*: 116. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia schottii* var. *grahamii* (Engelm.) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(3): 124. 1969 syn. sec. Parfitt & Gibson (2003)
 = *Corynopuntia planibulbispina* Backeb., *Cactaceae* 6: 3603. 1962 syn. sec. Kew WCVP (2019)
- Grusonia guccinii* (D.Donati) Bárcenas & H.M.Hern. in *Succ. Pl. Res.* 8: 194. 2014.** Sec. Hernández & al. (2014)
 ≡ *Corynopuntia guccinii* D.Donati in *Piante Grasse* 30(3): 118. 2010 syn. sec. Hernández & al. (2014)
- Grusonia halophila* (D.Donati) Majure, M.A.Baker & Cloud-H. in *Haseltonia* 25: 16. 2018.** Sec. Baker & Pinkava
 ≡ *Corynopuntia halophila* D.Donati in *Pl. Biosystems* 152: 394. 2017
- Grusonia invicta* (K.Brandegee) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 325. 1999.** Sec. Hernández & al. (2014)
 ≡ *Opuntia invicta* K.Brandegee in *Proc. Calif. Acad. Sci.* ser. 2, 2: 163. 1889 syn. sec. Hernández & al. (2014) ≡ *Corynopuntia invicta* (K.Brandegee) F.M.Knuth, *Kaktus-ABC*: 114. 1936 ["1935"] syn. sec. Hernández & al. (2014)
- Grusonia kunzei* (Rose) Pinkava in *J. Arizona-Nevada Acad. Sci.* 32(1): 50. 1999.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia kunzei* Rose in *Smithsonian Misc. Collect.* 50(4): 505–506. 1908 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia stanlyi* var. *kunzei* (Rose) L.D.Benson in *Proc. Calif. Acad. Sci.*, ser. 4, 25: 248. 1944 ≡ *Corynopuntia stanlyi* var. *kunzei* (Rose) Backeb., *Cactaceae* 1: 360. 1958 syn. sec. Parfitt & Gibson (2003) ≡ *Corynopuntia kunzei* (Rose) M.P.Griff. in *Haseltonia* 9: 91. 2003 syn. sec. Hunt (2016)
 = *Opuntia stanlyi* var. *peeblesiana* L.D.Benson, *Cacti Ariz.*, ed. 3: 20, 64, f. 1.42. 1969 syn. sec. Parfitt & Gibson (2003)
- Grusonia marenae* (S.H.Parsons) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 325. 1999.** Sec. Hernández & al. (2014)
 ≡ *Opuntia marenae* S.H.Parsons in *Desert Pl. Life* 8: 10. 1936 syn. sec. Hernández & al. (2014) ≡ *Marenopuntia marenae* (S.H.Parsons) Backeb. in *Desert Pl. Life* 22: 27. 1950 syn. sec. Hernández & al. (2014) ≡ *Pterocactus marenae* (S.H.Parsons) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 4. 1958 syn. sec. Tropicos ≡ *Corynopuntia marenae* (S.H.Parsons) M.P.Griff. in *Haseltonia* 9: 91. 2003 syn. sec. Hernández & al. (2014)
- Grusonia moelleri* (A.Berger) E.F.Anderson in *Cact. Succ. J. (Los Angeles)* 71(6): 325. 1999.** Sec. Hernández & al. (2014)
 ≡ *Opuntia moelleri* A.Berger, *Kakteen*: 57. 1929 syn. sec. Hernández & al. (2014) ≡ *Corynopuntia moelleri* (A.Berger) F.M.Knuth, *Kaktus-ABC*: 115. 1936 ["1935"] syn. sec. Hernández & al. (2014)

***Grusonia parishii* (Orcutt) Pinkava in J. Arizona-Nevada Acad. Sci. 32(1): 50. 1999.** Sec. Pinkava (2003)

≡ *Opuntia parishii* Orcutt in W. Amer. Sci. 10(81): 1. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Corynopuntia parishii* (Orcutt) F.M.Knuth, Kaktus-ABC: 115. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia stanlyi* var. *parishii* (Orcutt) L.D.Benson, Cacti Ariz., ed. 2: 39. 1950 syn. sec. Parfitt & Gibson (2003) ≡ *Corynopuntia stanlyi* var. *parishii* (Orcutt) Backeb., Cactaceae 1: 361. 1958 syn. sec. Parfitt & Gibson (2003) – *Opuntia parishiorum* Orcutt ex Britton & Rose, Cactaceae 1: 81. 1919 syn. sec. Majure (2021) [is orthographic variant for *Opuntia parishii* Orcutt] – *Corynopuntia parishiorum* (Orcutt) F.M.Knuth, Kaktus-ABC: 115. 1936 ["1935"] syn. sec. Majure (2021) [is orthographic variant for *Corynopuntia parishii* (Orcutt) F.M.Knuth] – *Opuntia stanlyi* var. *parishiorum* (Orcutt ex Britton & Rose) L.D.Benson, Cacti Ariz., ed. 2: 39. 1950 syn. sec. Majure (2021) [is orthographic variant for *Opuntia stanlyi* var. *parishii* (Orcutt) L.D.Benson] – *Grusonia parishiorum* (Orcutt ex Britton & Rose) Pinkava, Intermount. Fl. 2(A): 644. 2012 syn. sec. Majure (2021) [is orthographic variant for *Grusonia parishii* (Orcutt) Pinkava]

***Grusonia reflexispina* (Wiggins & Rollins) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 325. 1999.** Sec. Hernández & al. (2014)

≡ *Opuntia reflexispina* Wiggins & Rollins in Contr. Dudley Herb. 3(8): 275–277, t. 59, f. 1–2. 1943 syn. sec. Hernández & al. (2014) ≡ *Corynopuntia reflexispina* (Wiggins & Rollins) Backeb., Cactaceae 1: 365. 1958 syn. sec. Hernández & al. (2014)

***Grusonia robertsii* Rebman in Madroño 53: 278. 2006.** Sec. Hernández & al. (2014)

≡ *Corynopuntia robertsii* (Rebman) Bulot & Solichon in Cact. Succ. 1(2): 65. 2009 syn. sec. Hernández & al. (2014)

***Grusonia schottii* (Engelm.) H.Rob. in Phytologia 26(3): 176. 1973.** Sec. Parfitt & Gibson (2003)

≡ *Opuntia schottii* Engelm. in Proc. Amer. Acad. Arts 3: 304. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Cylindropuntia schottii* (Engelm.) F.M.Knuth, Nye kaktusbog: 132. 1930 syn. sec. Kew WCVP (2019) ≡ *Corynopuntia schottii* (Engelm.) F.M.Knuth, Kaktus-ABC: 114. 1936 ["1935"] syn. sec. Parfitt & Gibson (2003)

***Grusonia vilis* (Rose) H.Rob. in Phytologia 26(3): 176. 1973.** Sec. Hernández & al. (2014)

≡ *Opuntia vilis* Rose in Contr. U.S. Natl. Herb. 12(7): 293, t. 27, t. 36. 1909 syn. sec. Hernández & al. (2014) ≡ *Corynopuntia vilis* (Rose) F.M.Knuth, Kaktus-ABC: 115. 1936 ["1935"] syn. sec. Hernández & al. (2014)

= *Corynopuntia vilis* var. *bernhardinii* Backeb., Cactaceae 6: 3601. 1962 syn. sec. Kew WCVP (2019)

***Grusonia wrightiana* E.M.Baxter, Calif. Cactus: 58. 1935.** Sec. Felger & al. (2014)

≡ *Opuntia wrightiana* (E.M.Baxter) Peebles, Desert Pl. Life 9: 45. 1937 syn. sec. Felger & al. (2014) ≡ *Opuntia stanlyi* var. *wrightiana* (E.M.Baxter) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 248. 1944 syn. sec. Felger & al. (2014) ≡ *Opuntia kunzei* var. *wrightiana* (E.M.Baxter) Peebles in Leafl. W. Bot. 5(12): 192. 1949 syn. sec. Felger & al. (2014) ≡ *Corynopuntia stanlyi* var. *wrightiana* (E.M.Baxter) Backeb., Cactaceae 1: 360. 1958 syn. sec. Felger & al. (2014)

***Gymnocalycium* Pfeiff. ex Mittler, Taschenb. Cactuslieb. 2: 124. 1844.** Sec. Demaio & al. (2011)

Type: *Gymnocalycium gibbosum* (Haw.) Pfeiff. ex Mittler

= *Brachycalycium* Backeb. in Cactaceae (Berlin) 1941(2): 76. 1942 syn. sec. Demaio & al. (2011). Type: *Brachycalycium tilcarensense* Backeb.

Notes. – **Phylogenetics:** Found as monophyletic at first by Ritz & al. (2007), then studied in more detail and confirmed as monophyletic by Meregalli & al. (2010). **Taxonomy:** Demaio & al. (2011) conducted the most detailed phylogenetic study by sampling almost the whole genus and again confirmed the monophyly of *Gymnocalycium* with maximal support.

Several infrageneric classifications have been proposed, based mainly on size, form and surface characters of the seeds, but corresponding with flowers and fruits characters, too (see Demaio & al. 2011 for an overview). Seven subgenera have been accepted by Demaio & al. (2011). The type bearing subgenus (*Gymnocalycium* subg. *Gymnocalycium*) represents the most recent clade within the genus. Many of the “new” taxa described in the last two decades belong to this subgenus. Distinction of the taxa belonging to it based on morphological or molecular data is often almost impossible, which may reflect a rapid and recent radiation (Demaio & al. 2011, Řepka & Mracek 2012). There is evidence for different ploidy levels and hybridization (Řepka 2015), but the taxonomy of this subgenus remains poorly understood. [Metzing (2021)]

Key literature: Illustrated synopsis by Charles (2009). **Nomenclature:** Published as "Gymnocalycium". A nomenclatural checklist of names prior to 1995 was provided by Metzing & al. (1995).

***Gymnocalycium alboareolatum* Rausch in Succulenta (Netherlands) 64: 213. 1985.** Sec. Demaio & al. (2011)

= *Gymnocalycium alboareolatum* var. *ramosum* Rausch in *Gymnocalycium* 3: 31. 1990 syn. sec. Kew WCVP (2019)

***Gymnocalycium amerhauseri* H.Till in *Gymnocalycium* 7(3): 133. 1994.** Sec. Charles (2009)

= *Gymnocalycium walteri* H.Till in *Gymnocalycium* 16: 543. 2003 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium parvulum* var. *walteri* (H.Till) Milt in Cactaceae Syst. Init. 25: 116. 2015 syn. sec. Kew WCVP (2019)

= *Gymnocalycium amerhauseri* subsp. *altagraciense* H.Till & Amerh. in *Gymnocalycium* 20: 735. 2007 syn. sec. Charles (2009)

***Gymnocalycium andreae* (Boed.) Backeb. & F.M.Knuth, Kaktus-ABC: 285. 1936 ["1935"].** Sec. Charles (2009)

≡ *Echinocactus andreae* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 210. 1930 syn. sec. Charles (2009)

= *Gymnocalycium andreae* var. *grandiflorum* Krainz, Kakteen 4: CVIe. 1957 syn. sec. Kew WCVP (2019)

= *Gymnocalycium andreae* subsp. *matznetteri* Rausch in *Gymnocalycium* 13: 379. 2000 syn. sec. Charles (2009)

= *Gymnocalycium andreae* var. *fehseri* H.Till in *Gymnocalycium* 13: 378. 2000 syn. sec. Kew WCVP (2019)

= *Gymnocalycium andreae* var. *longispinum* Rausch in *Gymnocalycium* 13: 378. 2000 syn. sec. Kew WCVP (2019)

= *Gymnocalycium andreae* subsp. *pabloi* Neuhuber in *Gymnocalycium* 24: 985. 2011 syn. sec. Kew WCVP (2019)

***Gymnocalycium angelae* Mereg. in *Kakteen And. Sukk.* 49: 287. 1998. Sec. Metzging (2021)**

≡ *Gymnocalycium denudatum* subsp. *angelae* (Mereg.) Prestlé in *Gymnocalycium* 17: 577. 2004 syn. sec. Metzging (2021)

***Gymnocalycium anisitsii* (K.Schum.) Britton & Rose, *Cactaceae* 3: 159–161, f. 168. 1922. Sec. Kiesling & al. (2014)**

≡ *Echinocactus anisitsii* K.Schum., *Blüh. Kakteen* 1: t. 4. 1900 syn. sec. Kiesling & al. (2014)

= *Echinocactus damsii* K.Schum., *Gesamtbeschr. Kakt., Nachtr.* 1: 119. 1903 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium damsii* (K.Schum.) Britton & Rose, *Cactaceae* 3: 163. 1922 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium anisitsii* subsp. *damsii* (K.Schum.) G.J.Charles in *Cactaceae Syst. Init.* 20: 17. 2005 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* var. *torulosum* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium damsii* var. *torulosum* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 17: 553. 2004 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* var. *tucavocense* Backeb., *Descr. Cact. Nov.* 3: 6. 1963 syn. sec. Kew WCV (2019)

= *Gymnocalycium griseopallidum* Backeb., *Kakteenlex.*: 167. 1966 syn. sec. Metzging (2021) ≡ *Gymnocalycium anisitsii* var. *griseopallidum* H.Till & Amerh. in *Gymnocalycium* 16: 529. 2003 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* var. *multiproliferum* P.J.Braun in *Kakteen And. Sukk.* 42: 230. 1991 syn. sec. Kew WCV (2019) ≡ *Gymnocalycium anisitsii* subsp. *multiproliferum* (P.J.Braun) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 131. 1995 syn. sec. Charles (2009)

= *Gymnocalycium anisitsii* var. *pseudomalacocarpus* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 16: 531. 2003 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium anisitsii* subsp. *volkeri* Amerh. in *Gymnocalycium* 17: 559. 2004 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium anisitsii* var. *tucavocense* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 17: 559. 2004 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* subsp. *evae* Halda, Horáček & Milt in *Gymnocalycium* 17: 551. 2004 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* var. *boosii* Amerh. in *Gymnocalycium* 17: 554. 2004 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium marekiorum* Milt in *Cactaceae etc.* 27(4): 133. 2017 syn. sec. Metzging (2021)

= *Gymnocalycium ponomarevae* V.Gapon & Neuhuber in *Cact. Explor.* 18: 51. 2017 syn. sec. Metzging (2021)

= *Gymnocalycium anisitsii* subsp. *anisitsii* syn. sec. Kiesling & al. (2014)

= *Gymnocalycium damsii* var. *centrispinum* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 17: 555. 2004 syn. sec. Kiesling & al. (2014) – *Gymnocalycium damsii* var. *centrispinum* Backeb., *Descr. Cact. Nov.* 3: 6. 1963, nom. inval. syn. sec. Metzging (2021)

= *Gymnocalycium damsii* var. *rotundulum* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 17: 556. 2004 syn. sec. Kiesling & al. (2014) – *Gymnocalycium damsii* var. *rotundulum* Backeb., *Descr. Cact. Nov.* 3: 6. 1963, nom. inval. syn. sec. Metzging (2021)

***Gymnocalycium baldianum* (Speg.) Speg. in *Anales Soc. Ci. Argent.* 99: 135. 1925. Sec. Charles (2009)**

≡ *Echinocactus baldianus* Speg. in *Anales Mus. Nac. Buenos Aires, ser.* 3, 4: 505. 1905 syn. sec. Charles (2009)

= *Echinocactus sanguiniflorus* Werderm. in *Repert. Spec. Nov. Regni Veg.* 30: 56. 1932 syn. sec. Charles (2009) ≡

Gymnocalycium sanguiniflorum (Werderm.) Werderm. in *Kakteen And. Sukk.* 1: 79. 1937 syn. sec. Charles (2009) ≡

Gymnocalycium baldianum subsp. *sanguiniflorum* (Werderm.) C.A.L.Bercht in *Succulenta (Netherlands)* 88: 59. 2009 syn. sec. Kew WCV (2019)

= *Gymnocalycium venturianum* Backeb. in *Blätt. Kakteenf.* 1934(9): 1. 1934 syn. sec. Charles (2009)

= *Gymnocalycium baldianum* var. *albiflorum* C.A.L.Bercht in *Gymnos* 11(21): 6. 1994 syn. sec. Kew WCV (2019)

= *Gymnocalycium raineri* H.Till in *Gymnocalycium* 20: 722. 2007 syn. sec. Charles (2009) ≡ *Gymnocalycium baldianum* var.

raineri (H.Till) Milt in *Cactaceae Syst. Init.* 25: 116. 2015 syn. sec. Kew WCV (2019)

= *Gymnocalycium marianae* Perea, O.Ferrari, Las Peñas & R.Kiesling in *Kakteen And. Sukk.* 60: 36. 2009 syn. sec. Kew WCV (2019)

= *Gymnocalycium schreiteri* H.Till in *Gymnocalycium* 22: 854. 2009 syn. sec. Kew WCV (2019) ≡ *Gymnocalycium baldianum* var. *schreiteri* (H.Till) Milt in *Cactaceae Syst. Init.* 25: 116. 2015 syn. sec. Kew WCV (2019)

***Gymnocalycium bayrianum* H.Till in *Kakteen And. Sukk.* 38(8): 191. 1987. Sec. Charles (2009)**

≡ *Gymnocalycium spegazzinii* subsp. *bayrianum* (H.Till) Halda in *Cactaceae etc.* 9(3): 84. 1999 syn. sec. Charles (2009)

***Gymnocalycium berchtii* Neuhuber in *Gymnocalycium* 10(3): 219. 1997. Sec. Charles (2009)**

= *Echinocactus platensis* var. *terweemeanus* Teuq ex Duursma in *Succulenta (Netherlands)* 12(7): 137. 1930 syn. sec. Demaio & al. (2011) ≡ *Gymnocalycium terweemeanum* (Teuq ex Duursma) Borgmann & Piltz in *Gymnos* 13: 47. 1997 syn. sec. Hunt (2016) ≡ *Gymnocalycium quehlianum* var. *terweemeanum* (Teuq ex Duursma) H.Till & Amerh. in *Gymnocalycium* 20: 730. 2007 syn. sec. Kew WCV (2019)

= *Gymnocalycium poeschlii* Neuhuber in *Gymnocalycium* 12: 297. 1999 syn. sec. Hunt (2016)

= *Gymnocalycium nataliae* Neuhuber in *Gymnocalycium* 18: 635. 2005 syn. sec. Kew WCV (2019) ≡ *Gymnocalycium berchtii* var. *nataliae* (Neuhuber) Milt in *Cactaceae Syst. Init.* 25: 116. 2015 syn. sec. Kew WCV (2019)

= *Gymnocalycium morroense* Kulhánek, Řepka & J.Proch. in *Gymnocalycium* 23: 948. 2010 syn. sec. Kew WCV (2019)

***Gymnocalycium bodenbenderianum* (Hosseus) A.Berger, *Kakteen:* 221, 341. 1929. Sec. Charles (2009)**

≡ *Echinocactus bodenbenderianus* Hosseus ex A.Berger, *Kakteen:* 221, 337, 339. 1929 syn. sec. Charles (2009)

= *Gymnocalycium triacanthum* Backeb., *Cactaceae* 3: 1730. 1959 syn. sec. Hunt (2016)

= *Gymnocalycium asterium* var. *paucispinum* Backeb., *Kakteenlex.*: 164. 1966 syn. sec. Kew WCV (2019) ≡ *Gymnocalycium stellatum* var. *paucispinum* (Backeb.) R.Strong in *Natl. Cact. Succ. J.* 30: 50. 1975 syn. sec. Kew WCV (2019) ≡

Gymnocalycium paucispinum (Backeb. ex H.Till & W.Till) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCV (2019)

= *Gymnocalycium kozelskyanum* Schütz in *Kaktusy (Brno)* 2(Duben): 47. 1966 syn. sec. Kew WCV (2019)

- = *Gymnocalycium piltziorum* Schütz in Kakteen And. Sukk. 33: 145. 1982 syn. sec. Charles (2009)
- = *Gymnocalycium riojense* Frič ex H.Till & W.Till in *Gymnocalycium* 4: 48. 1991 syn. sec. Charles (2009)
- = *Gymnocalycium riojense* subsp. *kozelskianum* Schütz ex H.Till & W.Till in *Gymnocalycium* 4: 52. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* subsp. *paucispinum* Backeb. ex H.Till & W.Till in *Gymnocalycium* 4: 55. 1991 syn. sec. Charles (2009)
- = *Gymnocalycium riojense* subsp. *piltziorum* Schütz ex H.Till & W.Till in *Gymnocalycium* 4: 51. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* var. *guasayanense* Strigl in *Gymnocalycium* 4: 57. 1991 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium riojense* subsp. *guasayanense* (Strigl) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* var. *guthianum* H.Till & W.Till in *Gymnocalycium* 4: 49. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* var. *mirandaense* H.Till & W.Till in *Gymnocalycium* 4: 53. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* var. *pipanacoense* H.Till & W.Till in *Gymnocalycium* 4: 50. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium riojense* var. *platygonum* Schütz ex H.Till & W.Till in *Gymnocalycium* 4: 56. 1991 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium platygonum* (H.Till & W.Till) Pilbeam, *Gymnocalycium*: Coll. Guide: 123. 1995, nom. illeg. syn. sec. Hunt (2016)
- = *Gymnocalycium riojense* var. *sanjuanense* H.Till & W.Till in *Gymnocalycium* 4: 54. 1991 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium stellatum* subsp. *occultum* Frič ex H.Till & W.Till in *Gymnocalycium* 9: 176. 1996 syn. sec. Charles (2009) ≡ *Gymnocalycium occultum* Frič ex Schütz in *Friciana* 7: 4. 1962, nom. illeg. syn. sec. Charles (2009) ≡ *Gymnocalycium occultum* (Frič ex H.Till & W.Till) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Charles (2009)
- = *Gymnocalycium riojense* subsp. *vertongenii* Amerh. in *Gymnocalycium* 22: 857. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium basiatrum* F.Berger, Amerh. & Sedlmeier in *Gymnocalycium* 27: 1134. 2014 syn. sec. Metzger (2021)
- Gymnocalycium bruchii* (Speg.) Hosseus in Revista Centro Estud. Farm. reimpr. 2(6): 16, 22. 1926. Sec. Charles (2009)**
- ≡ *Frailea bruchii* Speg. in *Anales Soc. Ci. Argent.* 96: 73. 1923 syn. sec. Charles (2009) ≡ *Astrophytum bruchii* (Speg.) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 12. 2005
- = *Gymnocalycium lafaldense* Vaupel in *Z. Sukkulentenk.* 1: 192. 1924 syn. sec. Charles (2009) ≡ *Echinocactus lafaldensis* (Vaupel) A.Berger, *Kakteen*: 227. 1929 syn. sec. Tropicos ≡ *Gymnocalycium bruchii* subsp. *lafaldense* (Vaupel) Neuhuber in *Gymnocalycium* 16: 502. 2003 syn. sec. Charles (2009)
- = *Gymnocalycium bruchii* f. *crinata* Hosseus in *Revista Centro Estud. Farm. reimpr. 2(6): 24. 1926 syn. sec. WFO 2019*
- = *Gymnocalycium albispinum* Backeb., *Kaktus-ABC*: 285. 1936 ["1935"] syn. sec. Charles (2009) ≡ *Gymnocalycium lafaldense* f. *albispinum* (Backeb.) Oehme in *Cactaceae (Berlin)* 1941(1): 30. 1941 syn. sec. WFO 2019 ≡ *Gymnocalycium bruchii* var. *albispinum* (Backeb.) Milt in *Cactaceae Syst. Init.* 25: 116. 2015 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium lafaldense* f. *evolvens* Oehme in *Cactaceae (Berlin)* 1941(1): 31. 1941 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium lafaldense* f. *enorme* Oehme in *Cactaceae (Berlin)* 1941(1): 31. 1941 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium lafaldense* f. *evolvens* Oehme in *Cactaceae (Berlin)* 1941(1): 31. 1941 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium lafaldense* f. *fraternum* Oehme in *Cactaceae (Berlin)* 1941(1): 31. 1941 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* var. *brigittae* Piltz in *Succulenta (Netherlands)* 66: 213. 1987 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium bruchii* subsp. *brigittae* (Piltz) Papsch in *Schütziana* 4: 24. 2013 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* var. *niveum* Rausch in *Succulenta (Netherlands)* 68: 180. 1989 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium andreae* f. *svecianum* Pazout ex W.Till in *Gymnocalycium* 5: 66. 1992 syn. sec. WFO 2019 ≡ *Gymnocalycium bruchii* f. *svecianum* Pazout ex W.Till) Neuhuber in *Gymnocalycium* 22: 847. 2009 syn. sec. WFO 2019 – *Gymnocalycium andreae* var. *svecianum* Pazout in *Kaktusy*: 132. 1960, nom. inval. syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *pawlovskiyi* Neuhuber in *Gymnocalycium* 16: 503. 2003 syn. sec. Charles (2009)
- = *Gymnocalycium bruchii* subsp. *susannae* Neuhuber in *Gymnocalycium* 16: 509. 2003 syn. sec. Charles (2009)
- = *Gymnocalycium bruchii* var. *glaucum* Neuhuber in *Gymnocalycium* 16: 506. 2003 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *atroviride* Neuhuber in *Gymnocalycium* 7: 873. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *cumbresitense* Neuhuber in *Gymnocalycium* 22: 843. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *elegans* Neuhuber in *Gymnocalycium* 7: 869. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *implexum* Neuhuber in *Gymnocalycium* 7: 870. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *lacumbrense* Neuhuber in *Gymnocalycium* 22: 839. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *melojeri* Neuhuber in *Gymnocalycium* 22: 844. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *multicostatum* Neuhuber in *Gymnocalycium* 7: 871. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *renatae* Neuhuber in *Gymnocalycium* 22: 843. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *shimadae* Neuhuber in *Gymnocalycium* 22: 841. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* var. *rubroalabastrum* Neuhuber in *Gymnocalycium* 22: 845. 2009 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium gertii* V.Gapon & Schelkun. in *Gymnocalycium* 24: 994. 2011 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium carolinense* subsp. *fedjukinii* V.Gapon & Neuhuber in *Gymnocalycium* 25: 1054. 2012 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium carolinense* subsp. *ludwigii* Neuhuber in *Gymnocalycium* 25: 1009. 2012 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium bruchii* subsp. *ludwigii* (Neuhuber) Papsch in *Schütziana* 4: 24. 2013 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium carolinense* var. *eltrebolense* Neuhuber in *Gymnocalycium* 25: 1010. 2012 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium mereggallii* C.A.L.Bercht in *Schütziana* 3: 6. 2012 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium bruchii* subsp. *deminii* V.Gapon & Neuhuber, *Cacti Year-Round* 2016(2): 6. 2016 syn. sec. Kew WCVP (2019)

= *Gymnocalycium gertii* subsp. *evelyniae* Neuhuber & V.Gapon in Kaktus Klub, n. s., 1(1): 28. 2017 syn. sec. Kew WCVP (2019)

– *Gymnocalycium bruchii* var. *hossei* Backeb., Kaktus-ABC: 286-287. 1936 ["1935"], nom. inval. syn. sec. Charles (2009) – *Gymnocalycium lafaldense* f. *hossei* (Backeb.) Oehme in Cactaceae (Berlin) 1941(1): 29. 1941, nom. inval. syn. sec. WFO 2019 – *Gymnocalycium bruchii* var. *hossei* Backeb., Cactaceae 3: 1698–1700. 1959, nom. inval. syn. sec. Charles (2009)

Notes. – The basionym of *Gymnocalycium lafaldense* var. *bossei* (Backeb.) Oehme was not validly published (ICN Art. 39.1). [Metzing (2021)]

***Gymnocalycium cabreraense* Schädlich, Bercht & Melojer in Schütziana 9(2): 8. 2018.** Sec. Metzing (2021)

***Gymnocalycium calochlorum* (Boed.) Y.Itô, Cacti, ed. 2: 90. 1952.** Sec. Charles (2009)

≡ *Echinocactus calochlorus* Boed. in Monatschr. Deutsch. Kakteen-Ges. 4: 260. 1932 syn. sec. Charles (2009) ≡ *Gymnocalycium proliferum* var. *calochlorum* (Boed.) Backeb., Kaktus-ABC: 295. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium quehlianum* var. *calochlorum* (Boed.) H.Till & Amerh. in *Gymnocalycium* 20: 729. 2007 syn. sec. Kew WCVP (2019)

= *Echinocactus prolifer* Backeb. in Kakteen-Freund 1: 132. 1932 syn. sec. Charles (2009) ≡ *Gymnocalycium proliferum* (Backeb.) Backeb., Kaktus-ABC: 294. 1936 ["1935"] syn. sec. Charles (2009) ≡ *Gymnocalycium calochlorum* var. *proliferum* (Backeb.) Backeb., Cactaceae 3: 1718. 1959

= *Gymnocalycium parvulum* var. *amoenum* H.Till in *Gymnocalycium* 7: 125. 1994 syn. sec. Charles (2009) ≡ *Gymnocalycium amoenum* (H.Till) J.G.Lamb. in Succulenta (Netherlands) 81: 230. 2002 syn. sec. Charles (2009) ≡ *Gymnocalycium parvulum* subsp. *amoenum* (H.Till) F.Berger in *Gymnocalycium* 21: 766. 2008 syn. sec. Kew WCVP (2019)

= *Gymnocalycium parvulum* subsp. *huettneri* F.Berger in *Gymnocalycium* 21: 763. 2008 syn. sec. Kew WCVP (2019)

= *Gymnocalycium parvulum* subsp. *agnesiae* F.Berger in *Gymnocalycium* 23: 957. 2010 syn. sec. Kew WCVP (2019)

***Gymnocalycium capillense* (Schick) Hosseus in Revista Cent. Estud. Farm. Cordoba 2(6): 16, 22. 1926.** Sec. Charles (2009)

≡ *Echinocactus capillensis* Schick in Möller's Deutsche Gärt.-Zeitung 38: 201. 1923 syn. sec. Charles (2009) – *Echinocactus capillaense* Schick syn. sec. TPL (2013) [is misspelling for *Echinocactus capillensis* Schick]

= *Echinocactus sigelianus* Schick in Möller's Deutsche Gärt.-Zeitung 38(26): 201. 1923 syn. sec. Charles (2009) ≡ *Gymnocalycium sigelianum* (Schick) Hosseus in Revista Centro Estud. Farm. reimpr. 2(6): 16. 1926 syn. sec. Charles (2009) ≡ *Gymnocalycium capillense* var. *sigelianum* (Schick) H.Till in *Gymnocalycium* 16: 497. 2003 syn. sec. Kew WCVP (2019)

= *Echinocactus sutterianus* Schick in Möller's Deutsche Gärt.-Zeitung 38: 201. 1923 syn. sec. Charles (2009) ≡ *Gymnocalycium sutterianum* (Schick) Hosseus in Revista Centro Estud. Farm. reimpr. 2(6): 16. 1926 syn. sec. Charles (2009)

= *Gymnocalycium mucidum* Oehme in Kakteen And. Sukk. 1: 197. 1937 syn. sec. Metzing (2021) ≡ *Gymnocalycium capillense* var. *mucidum* (Oehme) H.Till in *Gymnocalycium* 16: 498. 2003 syn. sec. Metzing (2021)

= *Gymnocalycium deeszanum* Dölz in Kakteenkunde 1943: 54. 1943 syn. sec. Charles (2009)

= *Gymnocalycium poeschlilii* subsp. *dolezalii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 14(4): 101. 2007 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium sutterianum* subsp. *dolezalii* (Halda & Milt) Řepka in Novon 24: 277. 2015 syn. sec. Kew WCVP (2019)

= *Gymnocalycium sutterianum* subsp. *arachnispinum* Řepka in Novon 24: 274. 2015 syn. sec. Kew WCVP (2019)

= *Gymnocalycium sanluisense* Neuhuber in Kaktus-Klub, n.s. 2(2): 15. 2018 syn. sec. Metzing (2021)

= *Gymnocalycium sutterianum* subsp. *tetraploideum* Řepka in *Gymnocalycium* 31: 1263. 2018 syn. sec. Metzing (2021)

Notes. – The spelling „capillensis“ is said to have been a typographical error (instead of “capillaensis”) and was corrected at the author's request by Oehme (1937, 1938; see Metzing & al. 1995). [Metzing (2021)]

***Gymnocalycium carolinense* (Neuhuber) Neuhuber in *Gymnocalycium* 18: 639. 2005.** Sec. Hunt (2016)

≡ *Gymnocalycium andreae* subsp. *carolinense* Neuhuber in *Gymnocalycium* 7: 129. 1994 syn. sec. Charles (2009) ≡

Gymnocalycium bruchii subsp. *carolinense* (Neuhuber) Papsch in *Schütziana* 4: 24. 2013 syn. sec. Kew WCVP (2019)

***Gymnocalycium castellanosi* Backeb., Kaktus-ABC: 287, 416. 1936 ["1935"].** Sec. Charles (2009)

***Gymnocalycium castellanosi* subsp. *acorrugatum* (J.G.Lamb.) R.Kiesling & Metzing, Fl. San Juan 2: 178. 2003.** Sec. Demaio & al. (2011)

≡ *Gymnocalycium acorrugatum* J.G.Lamb. in Succulenta (Netherlands) 67: 4, fig. 1988

***Gymnocalycium castellanosi* subsp. *castellanosi*.** Sec. Charles (2009)

= *Gymnocalycium bozsiangianum* Schütz in Kaktusy (Brno) 13: 124. 1977 syn. sec. Charles (2009) ≡ *Gymnocalycium castellanosi* var. *bozsiangianum* (Schütz) Piltz in *Gymnos* 9(18): 43. 1993 syn. sec. Charles (2009) ≡ *Gymnocalycium castellanosi* subsp. *bozsiangianum* (Schütz) Amerh. & H.Till in *Gymnocalycium* 19: 675. 2006 syn. sec. Charles (2009)

= *Gymnocalycium castellanosi* var. *armillatum* Piltz in *Gymnos* 9(18): 48. 1993 ≡ *Gymnocalycium castellanosi* subsp. *armillatum* (Piltz) Papsch in Cactus & Co. 12: 200. 2008 syn. sec. Charles (2009)

= *Gymnocalycium castellanosi* var. *rigidum* H.Till in *Gymnocalycium* 19: 670. 2006 syn. sec. Kew WCVP (2019)

= *Gymnocalycium castellanosi* var. *spiniosior* Milt in Cactaceae etc. 30: 46. 2020 syn. sec. Metzing (2021)

***Gymnocalycium castellanosi* subsp. *ferocior* (Backeb. ex H.Till & Amerh.) G.J.Charles in Cactaceae Syst. Init. 20: 18. 2005.** Sec. Charles (2009)

≡ *Gymnocalycium mostii* subsp. *ferocior* Backeb. ex H.Till & Amerh. in *Gymnocalycium* 15: 435. 2002 syn. sec. Charles (2009)

– *Gymnocalycium hybopleurum* var. *breviflorum* Backeb., Kakteenlex.: 168. 1966, nom. inval. syn. sec. Metzing (2021)

– *Gymnocalycium hybopleurum* var. *centrispinum* Backeb., Kakteenlex.: 168. 1966, nom. inval. syn. sec. Metzing (2021)

– *Gymnocalycium hybopleurum* var. *ferocior* Backeb., Kakteenlex.: 168. 1966, nom. inval. syn. sec. Metzing (2021)

– *Gymnocalycium hybopleurum* var. *ferox* Backeb., Kakteenlex.: 168. 1966, nom. inval. syn. sec. Korotkova (2021) –
Gymnocalycium ferox (Backeb.) Slaba in Kaktusy (Brno) 20: 80. 1984, nom. inval. syn. sec. Charles (2009)

***Gymnocalycium chacoense* Amerh., *Gymnocalycium* 12(4): 302. 1999.** Sec. Kiesling & al. (2014)

***Gymnocalycium chiquitanum* Cárdenas in *Cactus* (Paris) 78: 95. 1963.** Sec. Kiesling & al. (2014)

= *Gymnocalycium hammerschmidii* Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium chiquitanum* var. *hammerschmidii* (Backeb.) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kiesling & al. (2014)

***Gymnocalycium denudatum* (Link & Otto) Pfeiff. ex Mittler, *Taschenb. Cactuslieb.* 2: 124. 1844.** Sec. Charles (2009)

≡ *Echinocactus denudatus* Link & Otto, Icon. Pl. Rar.: 17. 1828 syn. sec. Charles (2009) ≡ *Cereus denudatus* (Link & Otto) Pfeiff., Enum. Diagn. Cact.: 73. 1837 syn. sec. Charles (2009)

= *Echinocactus denudatus* var. *intermedius* Hildm. in Gart.-Zeitung (Berlin) 4: 479. 1885 syn. sec. Kew WCVP (2019) ≡
Echinocactus intermedius (Hildm.) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Kew WCVP (2019)

= *Echinocactus denudatus* var. *octogonus* K.Schum., Fl. Bras. 4(2): 248. 1890 syn. sec. Kew WCVP (2019) ≡ *Echinocactus denudatus* f. *octogonus* (K.Schum.) Schelle, Handb. Kakteenkult.: 190. 1907 syn. sec. Britton & Rose (1922)

= *Echinocactus denudatus* var. *delaetianus* F.Haage in Monatsschr. Kakteenk. 8: 36. 1898 syn. sec. Britton & Rose (1922) ≡
Echinocactus denudatus f. *delaetianus* (F.Haage) Schelle, Handb. Kakteenkult.: 189. 1907 syn. sec. Britton & Rose (1922)

= *Echinocactus denudatus* var. *leheideliana* F.Haage in Cact. J. (London) 1: 90. 1898 syn. sec. WFO 2019

= *Echinocactus megalothelon* Sencke ex K.Schum., Gesamtbeschr. Kakt.: 415. 1898 syn. sec. Charles (2009) ≡ *Gymnocalycium megalothelon* (Sencke ex K.Schum.) Britton & Rose, Cactaceae 3: 162. 1922 syn. sec. Charles (2009)

= *Gymnocalycium denudatum* subsp. *necopinum* Prestlé in *Gymnocalycium* 17: 575. 2004 syn. sec. Kew WCVP (2019)

= *Gymnocalycium megalothelon* subsp. *prestleanum* H.Till in *Gymnocalycium* 18: 625. 2005 syn. sec. Kew WCVP (2019)

– *Echinocactus denudatus* var. *typica* K.Schum., Fl. Bras. 4(2): 248. 1890, nom. inval. syn. sec. Kew WCVP (2019)

***Gymnocalycium erinaceum* J.G.Lamb. in *Succulenta* (Netherlands) 64(3): 66. 1985.** Sec. Charles (2009)

= *Gymnocalycium erinaceum* var. *paucisquamosum* Piltz in *Gymnos* 11(21): 14. 1994 syn. sec. Kew WCVP (2019)

= *Gymnocalycium gaponii* Neuhuber in *Gymnocalycium* 14: 410. 2001 syn. sec. Hunt (2016) ≡ *Gymnocalycium capillense* var. *gaponii* (Neuhuber) Milt in Cactaceae Syst. Init. 25: 116. 2015 syn. sec. Kew WCVP (2019)

= *Gymnocalycium papschii* H.Till in *Gymnocalycium* 14: 407. 2001 syn. sec. Metzging (2021) ≡ *Gymnocalycium bruchii* var. *papschii* (H.Till) Milt in Cactaceae Syst. Init. 25: 116. 2015 syn. sec. Metzging (2021)

= *Gymnocalycium gaponii* subsp. *geyeri* Neuhuber & V.Gapon in *Gymnocalycium* 21: 752. 2008 syn. sec. Charles (2009)

= *Gymnocalycium pinalii* Mereg. & Kulhánek in *Schütziana* 7: 4. 2016 syn. sec. Metzging (2021)

= *Gymnocalycium gaponii* subsp. *macrocarpum* Řepka in *Gymnocalycium* 32: 1306. 2019 syn. sec. Metzging (2021)

***Gymnocalycium esperanzae* Řepka & Kulhánek in *Schütziana* 2(3): 4 (3-21; figs.). 2011.** Sec. Demaio & al. (2011)

Notes. – This species is supposed to be of hybrid origin (Řepka & Mracek 2012). [Metzging (2021)]

***Gymnocalycium eurypleurum* Plesnik ex F.Ritter, *Kakteen Südamerika* 1: 268. 1979.** Sec. Kiesling & al. (2014)

– *Gymnocalycium eurypleurum* F.Ritter ex Plesnik in Kaktusy 8: 70-72. 1972, nom. inval. syn. sec. Metzging (2021)

***Gymnocalycium fischeri* Halda, Kupčák, Lukašik & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 9: 60. 2002.** Sec. Metzging (2021)

= *Gymnocalycium miltii* Halda, Kupčák, Lukašik & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 9: 64. 2002 syn. sec. Metzging (2021)

= *Gymnocalycium fischeri* subsp. *suyuquense* F.Berger in *Gymnocalycium* 16: 539. 2003 syn. sec. Charles (2009)

***Gymnocalycium friedrichii* (Werderm.) Pazout in *Friciana* IV 23: 3. 1964.** Sec. Kiesling & al. (2014)

≡ *Gymnocalycium mihanovichii* var. *friedrichii* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C 29: t. 113. 1936 syn. sec. Kiesling & al. (2014)

= *Gymnocalycium mihanovichii* var. *piraretaense* Pazout in Kaktusář. Listy 16: 195. 1951 syn. sec. Kew WCVP (2019)

= *Gymnocalycium stenopleurum* F.Ritter, *Kakteen Südamerika* 1: 265–266, f. 19. 1979 syn. sec. Kiesling & al. (2014) ≡
Gymnocalycium friedrichii subsp. *stenopleurum* (F.Ritter) Schädlich in *Schütziana* 7: 25. 2016

= *Gymnocalycium friedrichii* subsp. *tumaemulticostatum* Milt in Cactaceae etc. 28: 7. 2018 syn. sec. Metzging (2021)

= *Gymnocalycium mihanovichii* var. *angustostriatum* Pazout in *Friciana* 1(7): 3. 1962 syn. sec. Kew WCVP (2019) –

Gymnocalycium friedrichii var. *angustostriatum* Pazout ex Milt in Cactaceae etc. 26: 61. 2016, nom. inval. syn. sec. Kew WCVP (2019)

***Gymnocalycium gibbosum* (Haw.) Pfeiff. ex Mittler, *Taschenb. Cactuslieb.* 2: 124. 1844.** Sec. Charles (2009)

≡ *Cactus gibbosus* Haw., Syn. Pl. Succ.: 173. 1812 syn. sec. Charles (2009) ≡ *Cereus gibbosus* (Haw.) Sweet, Hort. Brit.: 171. 1826 syn. sec. Kew WCVP (2019) ≡ *Echinocactus gibbosus* (Haw.) DC., Prodr. 3: 461. 1828 syn. sec. Charles (2009) ≡ *Cereus gibbosus* (Haw.) Pfeiff., Enum. Diagn. Cact.: 74. 1837, nom. illeg. syn. sec. Charles (2009)

= *Echinocactus gibbosus* var. *celsianus* Labour. ex Rümpler, Handb. Cacteenk., ed. 2: 583. 1885 syn. sec. Britton & Rose (1922) ≡
Echinocactus celsianus Labour. ex K.Schum., Gesamtbeschr. Kakt.: 409. 1898 syn. sec. Britton & Rose (1922)

= *Echinocactus gibbosus* var. *pluricostatus* C.F.Först., Handb. Cacteenk., ed. 2: 584. 1886 syn. sec. Kew WCVP (2019)

= *Echinocactus gibbosus* var. *schlumbergeri* Rümpler, Handb. Cacteenk., ed. 2: 584. 1886 syn. sec. Tropicos ≡ *Echinocactus gibbosus* f. *schlumbergeri* (Rümpler) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Britton & Rose (1922)

= *Echinocactus gibbosus* var. *leonensis* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 409. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus gibbosus f. *leonensis* (Hildm. ex K.Schum.) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Hunt (2016)

- = *Echinocactus gibbosus* var. *polygonus* K.Schum., Gesamtbeschr. Kakt.: 409. 1898 syn. sec. Tropicos
- = *Echinocactus gibbosus* var. *schlumbergeri* K.Schum., Gesamtbeschr. Kakt.: 408. 1898, nom. illeg. syn. sec. Metzging (2021)
- = *Echinocactus gibbosus* var. *cerebriformis* Speg. in Anales Soc. Ci. Argent. 48: 50. 1899 syn. sec. Britton & Rose (1922) ≡ *Gymnocalycium gibbosum* var. *cerebriformis* Speg. in Anales Soc. Ci. Argent. 48: 50. 1899 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium gibbosum* f. *cerebriforme* (Speg.) Papsch in *Gymnocalycium* 9: 201. 1996 syn. sec. Kew WCVP (2019)
- = *Echinocactus gibbosus* var. *chubutensis* Speg. in Anales Mus. Nac. Buenos Aires 7: 285. 1902 syn. sec. Britton & Rose (1922) ≡ *Gymnocalycium chubutense* (Speg.) Speg. in Anales Soc. Ci. Argent. 99: 137. 1925 syn. sec. Tropicos ≡ *Gymnocalycium gibbosum* var. *chubutense* (Speg.) Papsch in *Gymnocalycium* 9: 201. 1996 syn. sec. Tropicos
- = *Echinocactus spegazzinii* F.A.C.Weber ex Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 2: 7. 1903 syn. sec. Britton & Rose (1922)
- = *Gymnocalycium brachypetalum* Speg. in Anales Soc. Ci. Argent. 99: 135. 1925 syn. sec. Charles (2009) ≡ *Echinocactus brachypetalus* (Speg.) Werderm. in Backeberg, Neue Kakteen: 89. 1931 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium gibbosum* var. *brachypetalum* (Speg.) Papsch in *Gymnocalycium* 9: 201. 1996 syn. sec. Hunt (2016)
- = *Gymnocalycium reductum* var. *leucodictyon* (Rümppler) Papsch in *Gymnocalycium* 10: 230. 1997 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium gibbosum* subsp. *ferdinandii* Halda, Malina & Milt in Acta Mus. Richnov., Sect. Nat., 9: 61. 2002 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium gibbosum* subsp. *gastonii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 9: 62. 2002 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium dubniorum* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 13: 16. 2006 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium chubutense* var. *dubniorum* (Halda & Milt) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium gibbosum* subsp. *radovanii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 13: 5. 2006 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium striglianum* subsp. *otmari* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 14(4): 102. 2007 syn. sec. Kew WCVP (2019)
- *Echinopsis gibbosa* Pfeiff. ex C.F.Först., Handb. Cacteenk.: 291. 1846, nom. inval. syn. sec. Metzging (2021)
- *Echinocactus leonensis* Cels in Schumann, Gesamtbeschr. Kakt.: 409. 1898, nom. inval. syn. sec. Charles (2009)
- *Echinocactus gibbosus* var. *typica* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 503. 1905, nom. inval. syn. sec. Kew WCVP (2019)
- *Echinocactus platensis* var. *typica* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 504. 1905, nom. inval. syn. sec. Korotkova (2021)
- *Gymnocalycium gibbosum* var. *nigrum* Backeb., Kaktus-ABC: 289. 1936 ["1935"], nom. inval. syn. sec. Metzging (2021)
- Notes. – The combination *Echinopsis gibbosa* Pfeiff. was only cited as synonym by Förster l. c. (cf. ICN Art. 36.1) [Metzging (2021)]
- Gymnocalycium gibbosum* subsp. *borthii* (Koop ex H.Till) G.J.Charles in *Cactaceae Syst. Init.* 20: 18. 2005. Sec. Charles (2009)**
- ≡ *Gymnocalycium borthii* Koop ex H.Till in *Kakteen And. Sukk.* 38(8): 191. 1987 syn. sec. Charles (2009) – *Gymnocalycium borthii* Koop in *Kakteen And. Sukk.* 27(2): 25. 1976, nom. inval.
- = *Gymnocalycium striglianum* subsp. *aeneum* Mereg. & Guglielmo in *Cactus & Co.* 10: 74. 2006 syn. sec. Metzging (2021)
- = *Gymnocalycium borthii* subsp. *kokori* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 14(4): 96. 2007 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium borthii* subsp. *nogolense* Neuhuber in *Gymnocalycium* 20: 701. 2007 syn. sec. Charles (2009)
- = *Gymnocalycium borthii* var. *viridis* Neuhuber in *Gymnocalycium* 20: 705. 2007 syn. sec. Kew WCVP (2019)
- Gymnocalycium gibbosum* subsp. *gibbosum*. Sec. Charles (2009)**
- = *Echinocactus gibbosus* var. *ferox* Labour. ex Rümppler, Handb. Cacteenk., ed. 2: 583. 1886 syn. sec. Metzging (2021) ≡ *Echinocactus ferox* Spreng. in *Monatsschr. Kakteenk.* 4: 193. 1894 syn. sec. Metzging (2021) ≡ *Echinocactus gibbosus* f. *ferox* (Labour. ex Rümppler) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Metzging (2021) ≡ *Gymnocalycium gibbosum* subsp. *ferox* (Labour. ex Rümppler) Papsch in *Gymnocalycium* 9: 201. 1996 syn. sec. Charles (2009)
- = *Gymnocalycium gibbosum* subsp. *radekii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 9: 63. 2002 syn. sec. Charles (2009)
- Gymnocalycium glaucum* F.Ritter in *Sukkulantenkunde* 7-8: 37. 1963. Sec. Demaio & al. (2011)**
- = *Gymnocalycium glaucum* subsp. *albertovojtechii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 13: 20. 2006 syn. sec. Kew WCVP (2019)
- Gymnocalycium glaucum* subsp. *ferrarii* (Rausch) G.J.Charles in *Cactaceae Syst. Init.* 20: 18. 2005. Sec. Charles (2009)**
- ≡ *Gymnocalycium ferrarii* Rausch in *Kakteen And. Sukk.* 32: 7, figs. 1981 syn. sec. Charles (2009)
- = *Gymnocalycium ferrarii* subsp. *evae* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 14(4): 98. 2007 syn. sec. Kew WCVP (2019)
- Gymnocalycium glaucum* subsp. *glaucum*. Sec. Charles (2009)**
- Gymnocalycium* ×*heidiae* Neuhuber in *Gymnocalycium* 12: 279. 1999**
- ≡ *Gymnocalycium heidiae* Neuhuber
- Gymnocalycium horstii* Buining in *Kakteen And. Sukk.* 21: 162. 1970. Sec. Charles (2009)**

***Gymnocalycium horstii* subsp. *buenekeri* (Swales) P.J.Braun & Hofacker in *Schumannia* 3: 188. 2002.** Sec. Charles (2009)

≡ *Gymnocalycium buenekeri* Swales in *Cact. Succ. J. Gr. Brit.* 40(4): 97. 1978 syn. sec. Hunt (2016) – *Gymnocalycium horstii* var. *buenekeri* Buining in *Kakteen. And. Sukk.* 21: 162–165. 1970, nom. inval. syn. sec. Metzging (2021)

***Gymnocalycium horstii* subsp. *horstii*.** Sec. Charles (2009)

= *Gymnocalycium horstii* subsp. *megalanthum* Amerh. in *Gymnocalycium* 21: 800. 2008 syn. sec. Charles (2009)

= *Gymnocalycium megalothelon* subsp. *brasiliense* Prestlé in *Gymnocalycium* 33: 1363. 2020 syn. sec. Metzging (2021)

***Gymnocalycium hossei* (Haage) A.Berger, *Kakteen*: 226, 341. 1929.** Sec. Charles (2009)

≡ *Echinocactus hossei* Haage ex A.Berger, *Kakteen*: 226. 1929 syn. sec. Charles (2009)

= *Echinocactus mazanensis* Backeb. in *Cact. J. (Croydon)* 1: 133. 1932 syn. sec. Charles (2009) ≡ *Gymnocalycium mazanense* (Backeb.) Backeb. in *Kakteen-Freund* 1: 12. 1933 syn. sec. Charles (2009)

= *Echinocactus mazanensis* var. *breviflorus* Backeb. in *Kakteen-Freund* 1: 134. 1932 syn. sec. Kew WCVP (2019) ≡

Gymnocalycium hossei var. *breviflorum* (Backeb.) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCVP (2019)

= *Gymnocalycium nidulans* Backeb., *Kaktus-ABC*: 293. 1936 ["1935"] syn. sec. Charles (2009) ≡ *Gymnocalycium hossei* var. *nidulans* (Backeb.) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCVP (2019)

= *Gymnocalycium weissianum* Backeb., *Kaktus-ABC*: 296. 1936 ["1935"] syn. sec. Charles (2009)

= *Gymnocalycium rhodantherum* var. *cinerascens* H.Till in *Gymnocalycium* 17: 584. 2004 syn. sec. Kew WCVP (2019)

– *Gymnocalycium weissianum* var. *atroroseum* Backeb., *Cactaceae* 3: 1763. 1959, nom. inval. syn. sec. Kew WCVP (2019)

***Gymnocalycium hyptiacanthum* (Lem.) Britton & Rose, *Cactaceae* 3: 156. 1922.** Sec. Charles (2009)

≡ *Echinocactus hyptiacanthus* Lem., *Cact. Gen. Sp. Nov.*: 21. 1839 syn. sec. Charles (2009) ≡ *Gymnocalycium platense* var. *hyptiacanthum* (Lem.) Backeb., *Kaktus-ABC*: 194. 1936 ["1935"] ≡ *Gymnocalycium gibbosum* var. *hyptiacanthum* (Lem.)

Y.Itô, *Saboten*: 89. 1962 ≡ *Cactus hyptiacanthus* Lem. ex Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Echinocactus netrelianus* Monv. ex Labour., *Monogr. Cact.*: 248. 1853 syn. sec. Metzging (2021) ≡ *Gymnocalycium netrelianus* (Monv. ex Labour.) Britton & Rose, *Cactaceae* 3: 154. 1922 syn. sec. Metzging (2021) ≡ *Gymnocalycium leeanum* var. *netrelianus* (Monv. ex Labour.) Backeb., *Kaktus-ABC*: 290. 1936 ["1935"] syn. sec. Metzging (2021) ≡ *Gymnocalycium hyptiacanthum* subsp. *netrelianus* (Monv. ex Labour.) Merag. in *Cactaceae Syst. Init.* 24: 22. 2008 syn. sec. Metzging (2021)

= *Echinocactus melanocarpus* Arechav. in *Anales Mus. Nac. Montevideo* 5: 220. 1905 syn. sec. Charles (2009) ≡

Gymnocalycium melanocarpum (Arechav.) Britton & Rose, *Cactaceae* 3: 161. 1922 syn. sec. Charles (2009)

= *Echinocactus uruguayensis* Arechav. in *Anales Mus. Nac. Montevideo* 5: 218. 1905 syn. sec. Metzging (2021) ≡

Gymnocalycium uruguayense (Arechav.) Britton & Rose, *Cactaceae* 3: 162. 1922 syn. sec. Metzging (2021) ≡ *Gymnocalycium hyptiacanthum* subsp. *uruguayense* (Arechav.) Merag. in *Cactaceae Syst. Init.* 24: 24. 2008 syn. sec. Metzging (2021)

= *Echinocactus guerkeanus* Heese in *Monatsschr. Kakteenk.* 21: 132. 1911 syn. sec. Charles (2009) ≡ *Echinocactus platensis* var. *guerkeanus* (Heese) Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 504. 1905 syn. sec. WFO 2019 ≡ *Gymnocalycium guerkeanum* (Heese) Britton & Rose, *Cactaceae* 3: 154. 1922 syn. sec. Charles (2009)

= *Echinocactus uruguayensis* f. *depressus* Osten in *Anales Mus. Hist. Nat. Montevideo*, ser. 2, 5 (1): 59. 1941 syn. sec. Metzging (2021)

= *Gymnocalycium artigas* Herter in *Revista Sudamer. Bot.* 10: 1. 1951 syn. sec. Charles (2009)

= *Gymnocalycium leeanum* var. *roseiflorum* Y.Itô, *Explan. Diagn. Austroechinocactinae: Austroechinocactinae*: 293. 1957 syn. sec. Metzging (2021) ≡ *Gymnocalycium uruguayense* var. *roseiflorum* Y.Itô, *Explan. Diagn. Austroechinocactinae: Austroechinocactinae*: 293. 1957 syn. sec. Metzging (2021) ≡ *Gymnocalycium artigas* var. *roseiflorum* (Y.Itô) Milt in *Cactaceae Syst. Init.* 25: 116. 2015 syn. sec. Metzging (2021)

= *Gymnocalycium rauschii* H.Till & W.Till in *Succulenta (Netherlands)* 69: 27. 1990 syn. sec. Metzging (2021)

= *Gymnocalycium denudatum* subsp. *angulatum* Prestlé in *Gymnocalycium* 17: 573. 2004 syn. sec. Metzging (2021) ≡

Gymnocalycium volskyi subsp. *angulatum* (Prestlé) V.Gapon, Chikin, Ponomareva, Protopopov, B. & Schelkun. in *Kaktus-Klub*, n.s. 4(2): 28. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium hyptiacanthum* subsp. *callistum* Prestlé in *Gymnocalycium* 33: 1317-1318. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium hyptiacanthum* subsp. *rotundatum* Prestlé in *Gymnocalycium* 33: 1316-1318. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium netrelianus* subsp. *albidulum* Prestlé in *Gymnocalycium* 33: 1361-1362. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium netrelianus* subsp. *blanquilloense* Prestlé in *Gymnocalycium* 33: 1349-1350. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium netrelianus* subsp. *stramineum* Prestlé in *Gymnocalycium* 33: 1348-1350. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium netrelianus* subsp. *tamboreense* Prestlé in *Gymnocalycium* 33: 1348. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium uruguayense* subsp. *aureiflorum* Prestlé in *Gymnocalycium* 33: 1356-1358. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium uruguayense* subsp. *bernabeense* Prestlé in *Gymnocalycium* 33: 1353-1354. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium uruguayense* subsp. *rionegroense* Prestlé in *Gymnocalycium* 33: 1352-1353. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium uruguayense* subsp. *schlosserianum* Prestlé in *Gymnocalycium* 33: 1355-1357. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium uruguayense* subsp. *topadorum* Prestlé in *Gymnocalycium* 33: 1354-1356. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

= *Gymnocalycium volskyi* V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva in *Kaktus-Klub*, n.s. 4(2): 22. 2020 syn. sec. Metzging (2021)

***Gymnocalycium kieslingii* O.Ferrari in *Cact. Succ. J. (Los Angeles)* 57: 244. 1985.** Sec. Charles (2009)

= *Gymnocalycium kieslingii* f. *alboareolatum* O.Ferrari in *Cact. Succ. J. (Los Angeles)* 57: 246. 1985 syn. sec. Kew WCVP (2019)

- = *Gymnocalycium kieslingii* f. *castaneum* O.Ferrari in Cact. Succ. J. (Los Angeles) 57: 246. 1985 syn. sec. TPL (2013) ≡ *Gymnocalycium kieslingii* subsp. *castaneum* (O.Ferrari) Slaba in Kaktusy (Brno) 48: 55. 2012 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium rosae* H.Till in Gymnocalycium 6: 160. 1995 syn. sec. Charles (2009)
- = *Gymnocalycium frankianum* Rausch ex H.Till & Amerh. in Gymnocalycium 20: 730. 2007 syn. sec. Charles (2009) ≡ *Gymnocalycium kieslingii* subsp. *frankianum* (Rausch ex H.Till & Amerh.) Slaba in Kaktusy (Brno) 48: 56. 2012
- Gymnocalycium kroenleinii* R.Kiesling, Rausch & O.Ferrari in Kakteen And. Sukk. 51: 316. 2000.** Sec. Charles (2009)
- = *Gymnocalycium kroenleinii* subsp. *funettae* Mereg. in Schütziana 5: 8. 2014 syn. sec. Kew WCVP (2019)
- Gymnocalycium kulhanekii* Papsch in Schütziana 7: 4. 2016.** Sec. Kew WCVP (2019)
- Gymnocalycium marsoneri* Frič ex Y.Itô, Explan. Diagr. Austroechinocactinae: 293. 1957.** Sec. Kiesling & al. (2014)
- ≡ *Gymnocalycium delaetii* subsp. *marsoneri* (Frič ex Y.Itô) H.Till & Amerh. in Gymnocalycium 21 (Sonderausgabe): 816. 2008 syn. sec. Kew WCVP (2019)
- Gymnocalycium marsoneri* subsp. *marsoneri*.** Sec. Kiesling & al. (2014)
- = *Gymnocalycium fricianum* Plesnik in Kakteen And. Sukk. 15: 110. 1964 syn. sec. Kiesling & al. (2014)
- Gymnocalycium marsoneri* subsp. *matoense* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 131. 1995.** Sec. Kiesling & al. (2014)
- ≡ *Gymnocalycium matoense* Buining & Brederoo in Kakteen And. Sukk. 26(12): 265. 1975 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium megatae* subsp. *matoense* (Buining & Brederoo) H.Till in Gymnocalycium 21 (Sonderausgabe): 816. 2008 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium onychacanthum* Y.Itô, Explan. Diagr. Austroechinocactinae: 292. 1957 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium hamatum* F.Ritter & Y.Itô in Itô, Cactaceae: 385. 1981 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium megatae* subsp. *zecheri* Amerh. in Gymnocalycium 23: 965. 2010 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium megatae* var. *che-guevarae* Milt in Cactaceae etc. 26: 116. 2016 syn. sec. Kew WCVP (2019)
- Gymnocalycium marsoneri* subsp. *megatae* (Y.Itô) G.J.Charles, Gymnocalycium Habitat Culture: 241. 2009.** Sec. Kiesling & al. (2014)
- ≡ *Gymnocalycium megatae* Y.Itô, Explan. Diagr. Austroechinocactinae: 292. 1957 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium tudaе* Y.Itô, Explan. Diagr. Austroechinocactinae: 292. 1957 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium eytianum* Cárdenas in Kakteen And. Sukk. 9(2): 25. 1958 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *eytianum* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 – *Gymnocalycium friedrichii* subsp. *eytianum* (Cárdenas) H.Till & Amerh. in Gymnocalycium 21 (Sonderausgabe): 816. 2008, nom. inval.
- = *Gymnocalycium pseudomalacocarpum* Backeb., Kakteenlex.: 172. 1966 syn. sec. Metzinger (2021) ≡ *Gymnocalycium tudaе* var. *pseudomalacocarpum* (Backeb.) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium tudaе* var. *bolivianum* F.Ritter, Kakteen Südamerika 2: 663. 1980 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium anisitsii* subsp. *holdii* Amerh. in Gymnocalycium 16: 531. 2003 syn. sec. Charles (2009) ≡ *Gymnocalycium megatae* subsp. *holdii* (Amerh.) Schädlich in Schütziana 12: 14. 2021 syn. sec. Metzinger (2021)
- = *Gymnocalycium itatiquense* H.Till & Amerh. in Gymnocalycium 22(4): 894. 2009 syn. sec. Kiesling & al. (2014)
- Gymnocalycium mendozaense* C.A.L.Bercht & Schädlich in Gymnocalycium 28: 1177. 2015.** Sec. Kew WCVP (2019)
- Gymnocalycium mesopotamicum* R.Kiesling in Cact. Succ. J. Gr. Brit. 42(2): 39. 1980.** Sec. Charles (2009)
- Gymnocalycium mihanovichii* (Frič & Gürke) Britton & Rose, Cactaceae 3: 153–154, f. 159. 1922.** Sec. Charles (2009)
- ≡ *Echinocactus mihanovichii* Frič & Gürke in Monatsschr. Kakteenk. 15: 142. 1905 syn. sec. Charles (2009)
- = *Gymnocalycium mihanovichii* var. *filadelfiense* Backeb., Kakteenlex.: 170. 1966 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium mihanovichii* var. *albiflorum* Pazout ex Milt in Cactaceae etc. 26: 64–66. 2016 syn. sec. Metzinger (2021) – *Gymnocalycium mihanovichii* var. *albiflorum* Pazout in Friciana 3(17): 5. 1963, nom. inval. syn. sec. WFO 2019
- Gymnocalycium ×momo* V.Gapon & Schelkun. in Kaktus-Klub, n.s. 2(1): 71. 2018.** Sec. Kew WCVP (2019)
- Gymnocalycium monvillei* (Lem.) Pfeiff. ex Britton & Rose, Cactaceae 3: 161, f. 169, 170. 1922.** Sec. Charles (2009)
- ≡ *Echinocactus monvillei* Lem., Cact. Aliq. Nov.: 14. 1838 syn. sec. Charles (2009)
- = *Echinocactus ourselianus* Monv. in Herb. Gén. Amat., sér. 2 3(Misc. Bot.): 42–43. 1843 syn. sec. IPNI ≡ *Gymnocalycium ourselianum* (Monv.) Papsch in Schütziana 9: 7. 2018 syn. sec. Kew WCVP (2019)
- = *Echinocactus ourselianus* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 34. 1850 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium multiflorum* var. *albispinum* P.Fourn., Cactées Pl. Grasses: 44. 1935 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium multiflorum* var. *hybopleurum* P.Fourn., Cactées Pl. Grasses: 44. 1935 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium multiflorum* var. *parisiense* P.Fourn., Cactées Pl. Grasses: 44. 1935 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium grandiflorum* Backeb., Kaktus-ABC: 289. 1936 ["1935"] syn. sec. Charles (2009) ≡ *Gymnocalycium monvillei* var. *grandiflorum* (Backeb.) H.Till in Gymnocalycium 3: 38. 1990 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *steineri* H.Till in Gymnocalycium 3: 39. 1990 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* f. *villamercedense* H.Till & Neuhuber in Gymnocalycium 6: 105. 1993 syn. sec. WFO 2019 ≡ *Gymnocalycium achirasense* var. *villamercedense* (H.Till & Neuhuber) V.Gapon, 11000 km Argentina Kaktusy: 89. 2010 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *coloratum* Neuhuber in Gymnocalycium 12: 285. 1999 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *confusa* Neuhuber in Gymnocalycium 12: 286. 1999 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium megalothelon* var. *susannae* H.Till in Gymnocalycium 18: 624. 2005 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium multiflorum* var. *ourselianum* H.Till & W.Till in Gymnocalycium 20: 719. 2007 syn. sec. Kew WCVP (2019)

- = *Gymnocalycium monvillei* var. *safronovii* V.Gapon in Kaktus-Klub 13: 33. 2009 syn. sec. Kew WCVP (2019)
- Gymnocalycium monvillei* subsp. *achirasense* (H.Till & Schatzl) H.Till in *Gymnocalycium* 6(3): 102. 1993. Sec. Kew WCVP (2019)**
- ≡ *Gymnocalycium achirasense* H.Till & Schatzl in Kakteen And. Sukk. 38(8): 191. 1987 ≡ *Gymnocalycium horridispinum* var. *achirasense* (H.Till & Schatzl) Lodé in Cact. Avent. 27: 29. 1995 ≡ *Gymnocalycium horridispinum* subsp. *achirasense* (H.Till & Schatzl) G.J.Charles, *Gymnocalycium* Habitat Culture: 154. 2009
- = *Gymnocalycium monvillei* var. *chacrasense* Neuhuber in *Gymnocalycium* 6: 105. 1993 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium achirasense* var. *chacrasense* (Neuhuber) V.Gapon, 11000 km Argentina Kaktusy: 89. 2010 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium achirasense* subsp. *chacrasense* (Neuhuber) Neuhuber & V.Gapon, Cact. Explor. 15: 72. 2016 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *echinatum* Neuhuber in *Gymnocalycium* 6: 108. 1993 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium achirasense* subsp. *echinatum* (Neuhuber) V.Gapon, 11000 km Argentina Kaktusy: 89. 2010 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *kainradliae* Neuhuber in *Gymnocalycium* 6: 107. 1993 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium achirasense* subsp. *kainradliae* (Neuhuber) V.Gapon, 11000 km Argentina Kaktusy: 89. 2010 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium orientale* subsp. *kainradliae* (Neuhuber) Neuhuber & V.Gapon, Cact. Explor. 15: 71. 2016 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium monvillei* var. *orientale* Neuhuber in *Gymnocalycium* 6: 103. 1993 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium achirasense* var. *orientale* (Neuhuber) V.Gapon, 11000 km Argentina Kaktusy: 89. 2010 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium orientale* (Neuhuber) Neuhuber & V.Gapon, Cact. Explor. 15: 70. 2016 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium orientale* var. *vikulovii* Neuhuber & V.Gapon, Cact. Explor. 15: 72. 2016 syn. sec. Kew WCVP (2019)
- Gymnocalycium monvillei* subsp. *horridispinum* (G.Frank & H.Till) H.Till in *Gymnocalycium* 6(3): 102. 1993. Sec. Demaio & al. (2011)**
- ≡ *Gymnocalycium horridispinum* G.Frank & H.Till in Kakteen And. Sukk. 38(8): 191. 1987
- = *Gymnocalycium lamudanaense* Chvastek & Milt in Cactaceae etc. 28: 127-128. 2018 syn. sec. Metzging (2021)
- Gymnocalycium monvillei* subsp. *monvillei*. Sec. Charles (2009)**
- = *Echinocactus multiflorus* Hook. in Bot. Mag. 71: t. 4181. 1845 syn. sec. Charles (2009) ≡ *Gymnocalycium multiflorum* (Hook.) Britton & Rose in *Addisonia* 3: 5. 1918 syn. sec. Charles (2009)
- = *Echinocactus multiflorus* var. *albispinus* K.Schum., Gesamtbeschr. Kakt.: 405. 1898 syn. sec. Tropicos ≡ *Echinocactus multiflorus* f. *albispinus* (K.Schum.) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Tropicos
- = *Echinocactus multiflorus* var. *hybopleurus* K.Schum., Gesamtbeschr. Kakt.: 405. 1898 syn. sec. Hunt (2016) ≡ *Gymnocalycium hybopleurum* (K.Schum.) Backeb., Kaktus-ABC: 289. 1936 ["1935"] syn. sec. Hunt (2016)
- = *Echinocactus multiflorus* var. *parisiensis* K.Schum., Gesamtbeschr. Kakt.: 405. 1898 syn. sec. Charles (2009) ≡ *Echinocactus multiflorus* f. *parisiensis* (K.Schum.) Schelle, Handb. Kakteenkult.: 186. 1907 syn. sec. Tropicos
- = *Echinocactus brachyanthus* Gürke in Monatsschr. Kakteenk. 17: 123. 1907 syn. sec. Charles (2009) ≡ *Gymnocalycium brachyanthum* (Gürke) Britton & Rose, Cactaceae 3: 159. 1922 syn. sec. Charles (2009) ≡ *Gymnocalycium monvillei* subsp. *brachyanthum* (Gürke) H.Till in *Gymnocalycium* 6: 102. 1993 syn. sec. Charles (2009)
- = *Gymnocalycium schuetzianum* H.Till & Schatzl in Kakteen And. Sukk. 32: 236. 1981 syn. sec. Charles (2009)
- = *Gymnocalycium monvillei* var. *gertrudae* Neuhuber in *Gymnocalycium* 6: 110. 1993 syn. sec. Hunt (2016) ≡ *Gymnocalycium monvillei* subsp. *gertrudae* (Neuhuber) Neuhuber in *Gymnocalycium* 12: 286. 1999 syn. sec. Hunt (2016)
- = *Gymnocalycium nigriareolatum* f. *carmineum* H.Till in *Gymnocalycium* 11: 255. 1998 syn. sec. Charles (2009)
- Gymnocalycium mostii* (Gürke) Britton & Rose in *Addisonia* 3: 5. 1918. Sec. Kew WCVP (2019)**
- ≡ *Echinocactus mostii* Gürke in Monatsschr. Kakteenk. 16: 11. 1906 syn. sec. Charles (2009)
- = *Echinocactus kurtzianus* Gürke in Monatsschr. Kakteenk. 16: 55. 1906 syn. sec. Charles (2009) ≡ *Gymnocalycium kurtzianum* (Gürke) Britton & Rose, Cactaceae 3: 163. 1922 syn. sec. Charles (2009) ≡ *Gymnocalycium mostii* var. *kurtzianum* (Gürke) Backeb., Kaktus-ABC: 292. 1936 ["1935"] syn. sec. Charles (2009) ≡ *Gymnocalycium mostii* f. *kurtzianum* (Gürke) H.Till & Amerh. in *Gymnocalycium* 15: 430. 2002 syn. sec. Charles (2009)
- = *Gymnocalycium valnicekianum* Jajó in Kaktusáf 5: 73. 1934 syn. sec. Hunt (2016) ≡ *Gymnocalycium mostii* subsp. *valnicekianum* (Jajó) Mereg. & G.J.Charles in Cactaceae Syst. Init. 24: 25. 2008 syn. sec. Hunt (2016)
- = *Gymnocalycium immemoratum* A.Cast. & H.V.Lelong in Lilloa 4: 195. 1939 syn. sec. Hunt (2016) ≡ *Gymnocalycium mostii* var. *immemoratum* (A.Cast. & H.V.Lelong) H.Till & Amerh. in *Gymnocalycium* 15: 431. 2002 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium tobuschianum* Schick-Freib. in Cact. Succ. J. Gr. Brit. 15: 44. 1953 syn. sec. Hunt (2016)
- = *Gymnocalycium prochazkianum* Šorma in Gymnofil 28: 2. 1999 syn. sec. Hunt (2016) ≡ *Gymnocalycium valnicekianum* subsp. *prochazkianum* (Šorma) H.Till & Amerh. in *Gymnocalycium* 15: 452. 2002 syn. sec. Hunt (2016) ≡ *Gymnocalycium mostii* subsp. *prochazkianum* (Šorma) G.J.Charles in Cactaceae Syst. Init. 29: 14. 2013 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium mostii* var. *miradorensis* H.Till & Amerh. in *Gymnocalycium* 15: 432. 2002 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium valnicekianum* var. *bicolor* H.Till & Amerh. in *Gymnocalycium* 15: 452. 2002 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium prochazkianum* subsp. *ivoi* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 13: 10. 2006 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium prochazkianum* subsp. *simile* Řepka in Bradleya 31: 109. 2013 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium prochazkianum* subsp. *simplex* Řepka in Bradleya 31: 106. 2013 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium bicolor* subsp. *simplex* (Řepka) V.Gapon in Kaktus-Klub, n.s. 5(1): 63. 2021 syn. sec. Metzging (2021)

- = *Gymnocalycium mostii* subsp. *bicolor* Řepka in Bradleya 32: 171. 2014 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium bicolor* (Řepka) V.Gapon in Kaktus-Klub, n.s. 5(1): 63. 2021 syn. sec. Metzging (2021)
 – *Gymnocalycium bicolor* Schütz in Friciana 7: 2. 1962, nom. inval. syn. sec. WFO 2019
- Gymnocalycium neuhuberi* H.Till & W.Till in *Gymnocalycium* 5(1): 59. 1992. Sec. Charles (2009)**
- Gymnocalycium nigriareolatum* Backeb. in *Blätt. Kakteenf.* 1934(5): 8, genus 74, sp. 1. 1934. Sec. Charles (2009)**
- = *Gymnocalycium nigriareolatum* var. *densispinum* Backeb. ex H.Till in *Gymnocalycium* 11: 255. 1998 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium nigriareolatum* var. *simoi* H.Till in *Gymnocalycium* 11: 258. 1998 syn. sec. Kew WCVP (2019)
 – *Gymnocalycium curvispinum* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 170. 1929, nom. nud. syn. sec. Charles (2009)
- Gymnocalycium ochoterenae* Backeb., *Kaktus-ABC*: 293, 417. 1936 ["1935"]. Sec. Charles (2009)**
- ≡ *Gymnocalycium ochoterenae* subsp. *ochoterenae* syn. sec. Charles (2009)
 = *Gymnocalycium ochoterenae* var. *cinereum* Backeb., *Kaktus-ABC*: 417. 1936 ["1935"] syn. sec. Kew WCVP (2019)
 = *Gymnocalycium vatteri* Buining in *Succulenta* (Netherlands) 1950: 66. 1950 syn. sec. Charles (2009) ≡ *Gymnocalycium ochoterenae* subsp. *vatteri* (Buining) Papsch in *Gymnocalycium* 6: 79. 1993 syn. sec. Charles (2009)
 = *Gymnocalycium ochoterenae* var. *polygonum* Backeb., *Kakteenlex.*: 171. 1966 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium intertextum* Backeb. ex H.Till in *Kakteen And. Sukk.* 38: 191. 1987 syn. sec. Charles (2009) ≡
Gymnocalycium bodenbenderianum subsp. *intertextum* (Backeb. ex H.Till) H.Till in *Gymnocalycium* 6: 83. 1993 syn. sec. Tropicos
 = *Gymnocalycium ochoterenae* subsp. *herbsthoferianum* H.Till & Neuhuber in *Gymnocalycium* 5: 75. 1992 syn. sec. Charles (2009)
 = *Gymnocalycium ochoterenae* var. *scoparium* H.Till & Neuhuber in *Gymnocalycium* 5: 74. 1992 syn. sec. Tropicos
 = *Gymnocalycium ochoterenae* var. *altautinense* Papsch in *Gymnocalycium* 6: 79. 1993 syn. sec. Kew WCVP (2019) ≡
Gymnocalycium vatteri var. *altautinense* (Papsch) V.Gapon, *Gymnorus* 19: 74. 2007 ["2006"] syn. sec. Kew WCVP (2019)
 = *Gymnocalycium intertextum* f. *moserianum* J.G.Lamb. in *Succulenta* (Netherlands) 87: 6. 2008 syn. sec. Kew WCVP (2019)
 – *Gymnocalycium moserianum* Schütz in *Kaktusy* (Brno) 2: 28. 1966, nom. inval. syn. sec. Charles (2009)
 – *Gymnocalycium ochoterenae* var. *tenuispinum* Backeb., *Kakteenlex.*: 171. 1966, nom. inval. syn. sec. Kew WCVP (2019)
 – *Gymnocalycium ochoterenae* var. *variispinum* Backeb., *Kakteenlex.*: 172. 1966, nom. inval. syn. sec. Kew WCVP (2019)
- Gymnocalycium oenanthemum* Backeb. in *Kaktusář* 1934(9): 2. 1934. Sec. Charles (2009)**
- = *Gymnocalycium tillianum* Rausch in *Kakteen And. Sukk.* 21: 66. 1970 syn. sec. Charles (2009) ≡ *Gymnocalycium oenanthemum* var. *tillianum* (Rausch) Slaba in *Kaktusy* (Brno) 47: 44. 2011
 = *Gymnocalycium carminanthum* Borth & Koop in *Kakteen And. Sukk.* 27: 73. 1976 syn. sec. Charles (2009) ≡ *Gymnocalycium oenanthemum* subsp. *carminanthum* (Borth & Koop) H.Till in *Gymnocalycium* 21 (Sonderausgabe): 816. 2008
 = *Gymnocalycium ambatoense* Piltz in *Kakteen And. Sukk.* 31: 13. 1980 syn. sec. Charles (2009)
 = *Gymnocalycium carminanthum* var. *montanum* Slaba in *Kaktusy* (Brno) 35: 8. 1999 syn. sec. Kew WCVP (2019) ≡
Gymnocalycium tillianum subsp. *montanum* (Slaba) F.Berger in *Gymnocalycium* 22: 866. 2009 syn. sec. Kew WCVP (2019) ≡
Gymnocalycium oenanthemum var. *montanum* (Slaba) Slaba in *Kaktusy* (Brno) 47: 42. 2011
 = *Gymnocalycium ambatoense* subsp. *plesnikii* Halda & Milt in *Acta Mus. Richnov., Sect. Nat.*, 13: 19. 2006 syn. sec. Metzging (2021)
- Gymnocalycium paediophilum* F.Ritter ex Schütz in *Kaktusy* 13(5): 100. 1977 [as "*paediophyllum*"]. Sec. Charles (2009)**
- *Gymnocalycium paediophilum* F.Ritter, *Kakteen Südamerika* 1: 269. 1979, nom. inval. syn. sec. Charles (2009)
 – *Gymnocalycium paediophyllum* F.Ritter ex Schütz, nom. inval. syn. sec. Charles (2009)
- Notes. – Schütz published the species name with the spelling “paediophyllum”. According to the author this was a spelling mistake (paediophilum = child-loving, because the species offsets easily) and he corrected it later (Schütz 1986). [Metzging (2021)]
- Gymnocalycium paraguayense* (K.Schum.) Hosseus in *Arch. Esc. Farm. Fac. Sci. Med. Cordoba* 9: 106. 1939. Sec. Charles (2009)**
- ≡ *Echinocactus paraguayensis* K.Schum. in *Bull. Herb. Boissier, sér. 2, 3*: 252. 1903 syn. sec. Charles (2009) ≡ *Echinocactus denudatus* var. *paraguayensis* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 190. 1907 syn. sec. Kew WCVP (2019) ≡
Gymnocalycium paraguayense (K.Schum.) Schütz in *Succulenta* (Netherlands) 50(6): 105. 1971 syn. sec. Charles (2009)
 = *Echinocactus denudatus* var. *golzianus* F.Haage in *Monatsschr. Kakteenk.* 7: 197. 1897 syn. sec. WFO 2019
 = *Echinocactus denudatus* var. *andersohnianus* F.Haage in *Monatsschr. Kakteenk.* 8: 36. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *andersohnianus* (F.Haage) Schelle, *Handb. Kakteenkult.*: 189. 1907 syn. sec. Kew WCVP (2019)
 = *Echinocactus denudatus* var. *bruennowianus* F.Haage in *Monatsschr. Kakteenk.* 8: 37. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *bruennowianus* (F.Haage) Schelle, *Handb. Kakteenkult.*: 189. 1907 syn. sec. Kew WCVP (2019)
 = *Echinocactus denudatus* var. *brumoviana* F.Haage in *Cact. J. (London)* 1: 90. 1898 syn. sec. Kew WCVP (2019)
 = *Echinocactus denudatus* var. *heuschkelianus* F.Haage in *Monatsschr. Kakteenk.* 8: 36. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *heuschkelianus* (J.N.Haage) Schelle, *Handb. Kakteenkult.*: 189. 1907 syn. sec. WFO 2019
 = *Echinocactus denudatus* var. *meiklejohnianus* F.Haage in *Monatsschr. Kakteenk.* 8: 36. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *meiklejohnianus* (F.Haage) Schelle, *Handb. Kakteenkult.*: 189. 1907 syn. sec. WFO 2019
 = *Echinocactus denudatus* var. *roseiflorus* Hildm. ex K.Schum., *Gesamtbeschr. Kakt.*: 414. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *roseiflorus* (Hildm. ex K.Schum.) Schelle, *Handb. Kakteenkult.*: 190. 1907 syn. sec. WFO 2019
 = *Echinocactus denudatus* var. *scheidelianus* F.Haage in *Monatsschr. Kakteenk.* 8: 37. 1898 syn. sec. Kew WCVP (2019) ≡
Echinocactus denudatus f. *scheidelianus* (F.Haage) Schelle, *Handb. Kakteenkult.*: 190. 1907 syn. sec. WFO 2019

- = *Echinocactus denudatus* var. *wagnerianus* F.Haage in Monatsschr. Kakteenk. 8: 37. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus denudatus* f. *wagnerianus* (F.Haage) Schelle, Handb. Kakteenkult.: 190. 1907 syn. sec. WFO 2019
- = *Echinocactus denudatus* var. *wieditzianus* F.Haage in Monatsschr. Kakteenk. 8: 36. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus denudatus* f. *wieditzianus* (F.Haage) Schelle, Handb. Kakteenkult.: 190. 1907 syn. sec. WFO 2019
- = *Echinocactus denudatus* var. *multiflorus* Quézel, M.Barbero & R.J.Loisel in Monatsschr. Kakteenk. 14: 178. 1904 syn. sec. WFO 2019
- = *Echinocactus denudatus* var. *flavispinus* Schelle, Handb. Kakteenkult.: 189. 1907 syn. sec. WFO 2019
- = *Echinocactus denudatus* var. *anisitsii* Frič, Kakteenjäger: 6. 1929 syn. sec. WFO 2019
- = *Gymnocalycium fleischerianum* Jojo ex Backeb. & F.M.Knuth, Kaktus-ABC: 288. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Gymnocalycium paraguayense* f. *fleischerianum* Mereg., Metzling & R.Kiesling in Candollea 57: 313. 2002 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium fleischerianum* (Mereg., Metzling & R.Kiesling) L.Vala in *Gymnocalycium* 16: 520. 2003 syn. sec. Tropicos
- Gymnocalycium* ×*pazoutianum* Halda in Acta Mus. Richnov., Sect. Nat., 5: 164. 1998**
- Gymnocalycium pflanzii* (Vaupel) Werderm., Repert. Spec. Nov. Regni Veg. Beih. C: 24, t. 94. 1935. Sec. Kew WCVP (2019)**
- ≡ *Echinocactus pflanzii* Vaupel in Z. Sukkulenteenk. 1: 83. 1923 syn. sec. Kiesling & al. (2014)
- Gymnocalycium pflanzii* subsp. *argentinense* H.Till & W.Till in Kakteen And. Sukk. 39: 277. 1988. Sec. Kiesling & al. (2014)**
- *Gymnocalycium marquezii* var. *argentinense* Backeb., Kakteenlex.: 169. 1966, nom. inval. syn. sec. Metzling (2021)
- Gymnocalycium pflanzii* subsp. *pflanzii*. Sec. Kiesling & al. (2014)**
- = *Gymnocalycium lagunillasense* Cárdenas in Kakteen And. Sukk. 9(2): 22. 1958 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *lagunillasense* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium marquezii* Cárdenas in Kakteen And. Sukk. 9(2): 26. 1958 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium chuquisacatum* Cárdenas in Cact. Succ. J. (Los Angeles) 38: 146. 1966 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* f. *chuquisacatum* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium izozogii* Cárdenas in Cact. Succ. J. (Los Angeles) 38: 145. 1966 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *izozogii* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium millaresii* Cárdenas in Cact. Succ. J. (Los Angeles) 38: 144. 1966 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *millaresii* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 ≡ *Gymnocalycium zegarrae* subsp. *millaresii* (Cárdenas) H.Till & W.Till in *Gymnocalycium* 13: 355. 2000
- = *Gymnocalycium pflanzii* subsp. *dorisiae* Amerh., *Gymnocalycium* 11: 267. 1998 syn. sec. Charles (2009)
- = *Gymnocalycium pflanzii* var. *paraguayense* H.Till & Amerh. in *Gymnocalycium* 13: 347. 2000 syn. sec. Kiesling & al. (2014)
- Gymnocalycium pflanzii* subsp. *zegarrae* (Cárdenas) G.J.Charles in Cactaceae Syst. Init. 20: 18. 2005. Sec. Charles (2009)**
- ≡ *Gymnocalycium zegarrae* Cárdenas in Kakteen And. Sukk. 9(2): 21. 1958 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *zegarrae* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Charles (2009)
- = *Gymnocalycium riograndense* Cárdenas in Kakteen And. Sukk. 9(2): 24. 1958 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pflanzii* var. *riograndense* (Cárdenas) Donald in Natl. Cact. Succ. J. 26: 100. 1971 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium zegarrae* subsp. *riograndense* (Cárdenas) H.Till & Amerh. in *Gymnocalycium* 13: 353. 2000 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium zegarrae* var. *riograndense* (Cárdenas) H.Till & Amerh. in *Gymnocalycium* 13: 353. 2000 syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium pflanzii* var. *albipulpa* F.Ritter, Kakteen Südamerika 2: 660. 1980 syn. sec. Metzling (2021)
- Gymnocalycium pugionacanthum* Backeb. ex H.Till in Kakteen And. Sukk. 38: 191. 1987. Sec. Charles (2009)**
- = *Gymnocalycium catamarcense* H.Till & W.Till in *Gymnocalycium* 8: 142. 1995 syn. sec. Charles (2009)
- = *Gymnocalycium catamarcense* f. *belense* H.Till & W.Till in *Gymnocalycium* 8: 144. 1995 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium catamarcense* f. *ensispinum* H.Till & W.Till in *Gymnocalycium* 8: 143. 1995 syn. sec. WFO 2019
- = *Gymnocalycium catamarcense* f. *montanum* H.Till & W.Till in *Gymnocalycium* 8: 143. 1995 syn. sec. Charles (2009)
- = *Gymnocalycium catamarcense* subsp. *acinacispinum* H.Till & W.Till in *Gymnocalycium* 8: 146. 1995 syn. sec. Charles (2009)
- = *Gymnocalycium catamarcense* subsp. *schmidianum* H.Till & W.Till in *Gymnocalycium* 8: 145. 1995 syn. sec. Charles (2009) ≡ *Gymnocalycium schmidianum* (H.Till & W.Till) Mereg. & Kulhánek in *Schütziana* 6(1): 7. 2015 syn. sec. IPNI
- = *Gymnocalycium schmidianum* subsp. *asperum* Mereg. & Kulhánek in *Schütziana* 6(1): 22. 2015 syn. sec. Metzling (2021)
- = *Gymnocalycium pugionacanthum* var. *stejskalii* Milt in Cactaceae etc. 27(4): 68-69. 2017 syn. sec. Metzling (2021)
- Gymnocalycium quehlianum* (F.Haage ex H.Quehl) Vaupel ex Hosseus in Revista Centro Estud. Farm. reimpr. 2(6): 22. 1926. Sec. Charles (2009)**
- ≡ *Echinocactus quehlianum* F.Haage ex H.Quehl in Monatsschr. Kakteenk. 9: 43. 1899 syn. sec. Charles (2009)
- = *Echinocactus platensis* var. *quehlianum* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 504. 1905 syn. sec. Charles (2009)
- = *Echinocactus stellatus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 505. 1905 syn. sec. Charles (2009) ≡ *Gymnocalycium stellatum* (Speg.) Speg. in Anales Soc. Ci. Argent. 99: 142. 1925 syn. sec. Charles (2009) ≡ *Gymnocalycium quehlianum* var. *stellatum* (Speg.) Dölz in Sukkulenteenkunde 6: 30. 1957 syn. sec. Charles (2009)
- = *Gymnocalycium quehlianum* var. *rolfianum* Schick in Sukkulenteenkunde 2: 26. 1948 syn. sec. Kew WCVP (2019)

- = *Gymnocalycium quehlianum* var. *zantnerianum* Schick in Sukkulantenkunde 2: 25. 1948 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium stellatum* var. *zantnerianum* (H.Schick) H.Till & W.Till in *Gymnocalycium* 9: 169. 1996 syn. sec. Tropicos
- = *Gymnocalycium asterium* A.Cast. in Revista Fac. Ci. Agrar. Mendoza 6: 2. 1957, nom. illeg. syn. sec. Kew WCVP (2019)
- = *Gymnocalycium asterium* var. *minimum* Pazout, Kaktusy: 132. 1960 syn. sec. Metzinger (2021) ≡ *Gymnocalycium stellatum* var. *minimum* (Pazout) R.Strong in Natl. Cact. Succ. J. 30: 49. 1975 syn. sec. Metzinger (2021)
- = *Gymnocalycium obductum* Piltz in Succulenta (Netherlands) 69: 75. 1990 syn. sec. Charles (2009) ≡ *Gymnocalycium stellatum* var. *obductum* (Piltz) H.Till & W.Till in *Gymnocalycium* 9: 174. 1996
- = *Gymnocalycium stellatum* var. *kleinianum* Rausch ex H.Till & W.Till in *Gymnocalycium* 9: 171. 1996 syn. sec. Tropicos
- = *Gymnocalycium stellatum* var. *flavispinum* Bozsing ex H.Till & W.Till in *Gymnocalycium* 9: 172. 1996 syn. sec. Tropicos – *Gymnocalycium quehlianum* var. *flavispinum* Bozsing ex Backeb., *Cactaceae* 3: 1722. 1959, nom. inval. syn. sec. Kew WCVP (2019)
- *Echinocactus stenocarpus* K.Schum. in Monatsschr. Kakteenk. 10: 181. 1900, nom. inval. syn. sec. Britton & Rose (1922)
- *Gymnocalycium quehlianum* var. *albispinum* Bozsing ex Backeb., *Cactaceae* 3: 1722. 1959, nom. inval. syn. sec. Kew WCVP (2019)

***Gymnocalycium ragonesei* A.Cast. in *Lilloa* 23: 5, f. 1. 1950. Sec. Kew WCVP (2019)**

***Gymnocalycium reductum* (Link) Pfeiff. ex Mittler, *Taschenb. Cactuslieb.* 2: 124. 1844. Sec. Charles (2009)**

- ≡ *Cactus reductus* Link, Enum. Hort. Berol. Alt. 2: 21. 1822 syn. sec. Charles (2009) ≡ *Cereus reductus* (Link) DC., Prodr. 3: 463. 1828 syn. sec. Charles (2009) – *Gymnocalycium reductum* (Link) Pfeiff., *Abbild. Besch. Cact.* 2: pl. 12. 1846, nom. inval.
- = *Echinocactus reductus* K.Schum. in Monatsschr. Kakteenk. 5: 107. 1895 syn. sec. Metzinger (2021)
- = *Echinocactus fennellii* F.Haage ex K.Schum., Gesamtbeschr. Kakt.: 409. 1898 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* var. *fennellii* F.Haage ex Quehl in Monatsschr. Kakteenk. 9: 115. 1899 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* f. *fennellii* (F.Haage ex K.Schum.) Schelle, *Handb. Kakteenkult.*: 186. 1907 syn. sec. Metzinger (2021)
- = *Gymnocalycium sibalii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 13: 7. 2006 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium reductum* subsp. *sibalii* (Halda & Milt) Neuhuber in *Gymnocalycium* 21: 758. 2008 syn. sec. Kew WCVP (2019)

***Gymnocalycium reductum* subsp. *leanum* (Hook.) Papsch in *Gymnocalycium* 13: 371. 2000. Sec. Charles (2009)**

- ≡ *Echinocactus leeanus* Hook. in Bot. Mag. 71: pl. 4184. 1845 syn. sec. Charles (2009) ≡ *Gymnocalycium leeanum* (Hook.) Britton & Rose, *Cactaceae* 3: 154. 1922 syn. sec. Hunt (2016) ≡ *Gymnocalycium reductum* var. *leanum* (Hook.) Papsch in *Gymnocalycium* 13: 371. 2000 syn. sec. Korotkova (2021)
- = *Gymnocalycium schatzlianum* Strigl & W.Till in *Kakteen And. Sukk.* 36: 252. 1985 syn. sec. Charles (2009) ≡ *Gymnocalycium reductum* var. *schatzlianum* (Strigl & W.Till) Papsch in *Gymnocalycium* 13: 371. 2000

***Gymnocalycium reductum* subsp. *reductum*. Sec. Charles (2009)**

- = *Cactus nobilis* Haw., Syn. Pl. Succ.: 174. 1812, nom. illeg. syn. sec. Charles (2009) ≡ *Echinocactus gibbosus* var. *nobilis* (Haw.) K.Schum., Nat. Pflanzenfam. 3, Abt. 6a: 188. 1894 syn. sec. Charles (2009) ≡ *Echinocactus gibbosus* f. *nobilis* (Haw.) Schelle, *Handb. Kakteenkult.*: 186. 1907 syn. sec. Charles (2009) ≡ *Echinocactus gibbosus* var. *nobilis* Monv. ex Lem., *Cact. Gen. Sp. Nov.*: 91. 1839 syn. sec. Charles (2009)
- = *Echinocactus mackeanus* Hook. in Bot. Mag. 64: t. 3561. 1837 syn. sec. Charles (2009) ≡ *Gymnocalycium mackeanum* (Hook.) Metzinger, *Mereg. & R.Kiesling in Allionia* 33: 209. 1995 syn. sec. Charles (2009)
- = *Echinocactus leucodictyus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 34, 171. 1850 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* var. *leucodictyus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 34, 171. 1850 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* var. *leucodictyus* (Salm-Dyck) Rümpler, *Handb. Cacteenk.*, ed. 2: 583. 1886 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* f. *leucodictyus* (Salm-Dyck) Schelle, *Handb. Kakteenkult.*: 186. 1907 syn. sec. Metzinger (2021)
- = *Echinocactus gibbosus* var. *leucacanthus* Rümpler, *Handb. Cacteenk.*, ed. 2: 583. 1886 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* f. *leucacanthus* (Rümpler) Schelle, *Handb. Kakteenkult.*: 186. 1907 syn. sec. Metzinger (2021)
- = *Echinocactus platensis* Speg., *Contr. Fl. Sierra Vent.*: 28. 1896 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* var. *platensis* (Speg.) Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 2: 8. 1903 syn. sec. Metzinger (2021) ≡ *Gymnocalycium platense* (Speg.) Britton & Rose, *Cactaceae* 3: 163. 1922 syn. sec. Metzinger (2021) ≡ *Echinocactus gibbosus* var. *platensis* (Speg.) J.G.Lamb. in *Repert. Pl. Succ.* 42: 5. 1992 syn. sec. Metzinger (2021) ≡ *Gymnocalycium reductum* var. *platense* (Speg.) R.Kiesling in *Darwiniana* 45: 237. 2007 syn. sec. Metzinger (2021)
- = *Echinocactus gibbosus* var. *ventanicola* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 2: 7. 1903 syn. sec. Metzinger (2021) ≡ *Gymnocalycium platense* var. *ventanicola* (Speg.) R.Kiesling in *Darwiniana* 24: 441. 1982 syn. sec. Metzinger (2021)

***Gymnocalycium rhodantherum* (Boed.) H.Till in *Gymnocalycium* 17: 580. 2004. Sec. Charles (2009)**

- ≡ *Echinocactus rhodantherus* Boed. in *Kakteenkunde* 1934: 13. 1934 syn. sec. Charles (2009) ≡ *Gymnocalycium mazanense* var. *rhodantherum* (Boed.) Backeb., *Kaktus-ABC*: 291. 1936 ["1935"] syn. sec. Charles (2009)
- = *Gymnocalycium guanchinense* Schütz in *Sukkulantenkunde* 2: 32. 1948 syn. sec. Charles (2009)
- = *Gymnocalycium jochumii* var. *jugum* Neuhuber in *Gymnocalycium* 18: 606. 2005 syn. sec. Kew WCVP (2019)
- = *Gymnocalycium coloradense* F.Berger in *Gymnocalycium* 19: 693. 2006 syn. sec. Charles (2009)
- = *Gymnocalycium rhodantherum* subsp. *recii* Halda & Milt in Acta Mus. Richnov., Sect. Nat., 14(4): 100. 2007 syn. sec. Kew WCVP (2019)

***Gymnocalycium ritterianum* Rausch in *Kakteen And. Sukk.* 23(7): 180. 1972. Sec. Charles (2009)**

- *Gymnocalycium riteranum* Rausch in *Kakteen And. Sukk.* 23: 180. 1972 syn. sec. Charles (2009) [is misspelling for *Gymnocalycium ritterianum* Rausch]

- = *Gymnocalycium jochumii* Neuhuber in *Gymnocalycium* 18: 605. 2005 syn. sec. Hunt (2016)
 = *Gymnocalycium ritterianum* subsp. *acentracanthum* F.Berger in *Gymnocalycium* 18: 601. 2005 syn. sec. Charles (2009)
- Gymnocalycium robustum* R.Kiesling, O.Ferrari & Metzging in Cact. Succ. J. (Los Angeles) 74: 4. 2002. Sec. Charles (2009)**
 = *Gymnocalycium kuehhasii* Neuhuber & R.Sperling in *Gymnocalycium* 21: 748. 2008 syn. sec. Charles (2009)
 = *Gymnocalycium affine* Řepka in *Cact. Succ. J. (Los Angeles)* 82: 261. 2011 ["2010"] syn. sec. Metzging (2021)
 = *Gymnocalycium campestre* Řepka in *Novon* 24: 281. 2015 syn. sec. Metzging (2021)
 = *Gymnocalycium alenae* Kulhánek in *Schütziana* 8(2): 28. 2017 syn. sec. Metzging (2021)
 = *Gymnocalycium kuehhasii* subsp. *corneuspinum* Sperling & Strub in *Schütziana* 10: 43. 2019 syn. sec. Metzging (2021)
 = *Gymnocalycium kuehhasii* subsp. *incurvatispinum* Sperling & Strub in *Schütziana* 10: 43. 2019 syn. sec. Metzging (2021) ≡
Gymnocalycium × *incurvatispinum* (Sperling & Strub) Řepka in *Gymnocalycium* 32: 1341-1342. 2019 syn. sec. Metzging (2021)
- Gymnocalycium saglionis* (Cels) Britton & Rose, Cactaceae 3: 157. 1922 [as "saglione"]. Sec. Charles (2009)**
 ≡ *Echinocactus saglionis* Cels, *Portef. Hort.*: 180. 1847 syn. sec. Charles (2009) – *Gymnocalycium saglione* (Cels) Britton &
 Rose, *nom. inval. syn. sec. TPL* (2013)
 = *Echinocactus hybogonus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 167. 1850 syn. sec. Charles (2009)
 = *Gymnocalycium saglionis* var. *jujuyense* Backeb. in *Kaktusár* 5: 106. 1934 syn. sec. Kew WCVP (2019)
 = *Brachycalycium tilcarensense* Backeb. in *Cactaceae* (Berlin) 1941(2): 78. 1942 syn. sec. Charles (2009) ≡ *Gymnocalycium*
saglione subsp. *tilcarensense* (Backeb.) H.Till & W.Till in *Gymnocalycium* 10: 215. 1997 syn. sec. Charles (2009)
 = *Gymnocalycium saglionis* f. *columnare* H.Till in *Gymnocalycium* 25: 1029. 2012 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium saglionis* f. *splendens* H.Till in *Gymnocalycium* 25: 1029. 2012 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium saglionis* var. *australe* H.Till in *Gymnocalycium* 25: 1029. 2012 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium saglionis* var. *minus* H.Till in *Gymnocalycium* 25: 1028. 2012 syn. sec. Kew WCVP (2019)
- Notes. – Britton & Rose (1922) used the spelling "saglione", but the original spelling has to be retained. [Metzging (2021)]
- Gymnocalycium schickendantzii* (F.A.C.Weber) Britton & Rose, Cactaceae 3: 164–165. 1922. Sec. Demaio & al. (2011)**
 ≡ *Echinocactus schickendantzii* F.A.C.Weber in *Bois, Dict. Hort.*: 470. 1896
- Gymnocalycium schickendantzii* subsp. *delaetii* (K.Schum.) G.J.Charles in Cactaceae Syst. Init. 20: 18. 2005. Sec. Charles (2009)**
 ≡ *Echinocactus delaetii* K.Schum. in *Monatsschr. Kakteenk.* 11: 186. 1901 syn. sec. Charles (2009) ≡ *Gymnocalycium delaetii*
 (K.Schum.) Hosseus in *Revista Centro Estud. Farm. reimpr.* 2(6): 22. 1926 syn. sec. Charles (2009)
 = *Echinocactus joossensianus* Boed. in *Monatsschr. Kakteenk.* 28: 40. 1918 syn. sec. Hunt (2016) ≡ *Gymnocalycium*
joossensianum (Boed.) Britton & Rose, *Cactaceae* 3: 166. 1922 syn. sec. Hunt (2016)
 = *Gymnocalycium antherostele* F.Ritter, *Kakteen Südamerika* 2: 475. 1980 syn. sec. Charles (2009)
 = *Gymnocalycium delaetii* f. *antherosacos* F.Ritter ex Neuhuber in *Gymnocalycium* 14: 423. 2001 syn. sec. Kew WCVP (2019)
- Gymnocalycium schickendantzii* subsp. *schickendantzii*. Sec. Charles (2009)**
 = *Echinocactus stuckertii* Speg. in *Anales Mus. Nac. Buenos Aires, ser. 3, 4*: 502. 1905 syn. sec. Charles (2009) ≡
Gymnocalycium stuckertii (Speg.) Britton & Rose, *Cactaceae* 3: 165. 1922 syn. sec. Hunt (2016)
 = *Gymnocalycium michoga* Y.Itô, *Explan. Diagn. Austroechinocactinae*: 292. 1957 syn. sec. Charles (2009)
 = *Gymnocalycium schickendantzii* subsp. *bergeri* Neuhuber in *Gymnocalycium* 14: 420. 2001 syn. sec. Metzging (2021)
 = *Gymnocalycium schickendantzii* subsp. *periferarium* Neuhuber in *Gymnocalycium* 17: 564. 2004 syn. sec. Charles (2009)
 = *Gymnocalycium schickendantzii* var. *pectinatum* Neuhuber in *Gymnocalycium* 17: 565. 2004 syn. sec. Metzging (2021)
 = *Gymnocalycium pungens* Fleischer ex Milt in *Cactaceae etc.* 30: 98-99. 2020 syn. sec. Metzging (2021) – *Gymnocalycium*
pungens Fleisch. in *Friciana* 1(7): 1. 1962, *nom. inval. syn. sec. Metzging* (2021)
- Gymnocalycium schroederianum* Osten in Anales Mus. Nac. Montevideo 5: 60, pl. 49–50. 1941. Sec. Charles (2009)**
 ≡ *Gymnocalycium hyptiacanthum* subsp. *schroederianum* (Osten) Papsch in *Gymnocalycium* 14: 390. 2001 syn. sec. Kew
 WCVP (2019) ≡ *Gymnocalycium platense* subsp. *schroederianum* (Osten) Papsch in *Schütziana* 6(3): 8. 2015 syn. sec. Kew
 WCVP (2019) ≡ *Gymnocalycium schroederianum* subsp. *schroederianum* syn. sec. Charles (2009)
 = *Gymnocalycium schroederianum* subsp. *bayense* R.Kiesling in *Cact. Succ. J. (Los Angeles)* 59: 48. 1987 syn. sec. Kew WCVP
 (2019)
 = *Gymnocalycium schroederianum* subsp. *paucicostatum* R.Kiesling in *Cact. Succ. J. (Los Angeles)* 59: 49. 1987 syn. sec. Kew
 WCVP (2019) ≡ *Gymnocalycium platense* subsp. *paucicostatum* (R.Kiesling) Papsch in *Schütziana* 6(3): 8. 2015 syn. sec. Kew
 WCVP (2019) – *Gymnocalycium hyptiacanthum* subsp. *paucicostatum* (R.Kiesling) Papsch in *Gymnocalycium* 14: 390. 2001,
nom. inval. syn. sec. Kew WCVP (2019)
 = *Gymnocalycium erolesii* Neuhuber & C.A.L.Bercht in *Gymnocalycium* 15: 475. 2002 syn. sec. Charles (2009)
 = *Gymnocalycium schroederianum* subsp. *boessii* R.Kiesling, Marchesi & O.Ferrari in *Kakteen And. Sukk.* 53: 226. 2002 syn.
 sec. Kew WCVP (2019)
- Gymnocalycium spegazzinii* Britton & Rose, Cactaceae 3: 155. 1922. Sec. Demaio & al. (2011)**
 = *Echinocactus loricatus* Poselg. in *Allg. Gartenzeitung* 21: 107. 1853 syn. sec. Tropicos
 = *Gymnocalycium horizonthalonium* Frič ex Kreuz. in *Möller's Deutsche Gärt.-Zeitung* 44: 254. 1929 syn. sec. Kew WCVP
 (2019)
 = *Gymnocalycium spegazzinii* var. *punillense* H.Till & W.Till in *Gymnocalycium* 7: 119. 1994 syn. sec. Kew WCVP (2019)
 = *Gymnocalycium spegazzinii* f. *unguispinum* Slaba in *Kaktusy (Brno)* 41: 41. 2005 syn. sec. WFO 2019
 = *Gymnocalycium spegazzinii* subsp. *sarkae* Halda & Milt in *Acta Mus. Richnov., Sect. Nat.*, 13: 22. 2006 syn. sec. Kew WCVP
 (2019)

***Gymnocalycium spegazzinii* subsp. *cardenasianum* (F.Ritter) R.Kiesling & Metzging in *Darwiniana* 34: 404. 1996.** Sec. Hunt (2016)

≡ *Gymnocalycium cardenasianum* F.Ritter in *Taxon* 13: 144. 1964 syn. sec. Hunt (2016)

= *Gymnocalycium armatum* F.Ritter, *Kakteen Südamerika* 2: 662. 1980 syn. sec. Metzging (2021) ≡ *Gymnocalycium cardenasianum* f. *armatum* (F.Ritter) H.Till & Amerh. in *Gymnocalycium* 12: 308. 1999 syn. sec. Metzging (2021) ≡ *Gymnocalycium spegazzinii* subsp. *armatum* (F.Ritter) Halda & Šorma in *Acta Mus. Richnov., Sect. Nat.*, 9: 65. 2002 syn. sec. Metzging (2021) ≡ *Gymnocalycium cardenasianum* subsp. *armatum* (F. Ritter) V.Gapon & Vikulov in *Kaktus-Klub, n.s.* 5(1): 50. 2021 syn. sec. Metzging (2021)

= *Gymnocalycium cardenasianum* var. *pseudocrassispinum* Milt in *Cactaceae etc.* 29: 29-30. 2019 syn. sec. Metzging (2021)

= *Gymnocalycium cardenasianum* subsp. *pseudoarmatum* V.Gapon & Vikulov in *Kaktus-Klub, n.s.* 5(1): 50. 2021 syn. sec. Metzging (2021)

***Gymnocalycium spegazzinii* subsp. *spegazzinii*.** Sec. Demaio & al. (2011)

= *Echinocactus loricatus* Speg. in *Anales Mus. Nac. Buenos Aires* 3: 502. 1905, nom. illeg. syn. sec. Metzging (2021) ≡

Gymnocalycium loricatum Speg. in *Anales Soc. Ci. Argent.* 99: 140. 1925, nom. illeg. syn. sec. Hunt (2016)

= *Gymnocalycium spegazzinii* var. *recii* Milt in *Cactaceae etc.* 27(4): 33-36. 2017 syn. sec. Metzging (2021)

Notes. – *Echinocactus loricatus* Speg. is a heterotypic homonym of *Echinocactus loricatus* (Mart. Ex Pfeiff.) Poselg. in *Allg. Gartenzeitung* 21: 107. 1853. [Metzging (2021)]

***Gymnocalycium strigianum* Jeggle ex H.Till in *Kakteen And. Sukk.* 38(8): 191. 1987.** Sec. Charles (2009)

Notes. – This name may be considered as synonym of *Gymnocalycium gibbosum* subsp. *gibbosum*. [Metzging (2021)]

***Gymnocalycium tanningaense* Piltz in *Kakteen And. Sukk.* 41(2): 22–26. 1990.** Sec. Charles (2009)

= *Gymnocalycium lukasikii* Halda & Kupčák in *Acta Mus. Richnov., Sect. Nat.*, 7: 72. 2000 syn. sec. Charles (2009) ≡

Gymnocalycium tanningaense var. *lukasikii* (Halda & Kupčák) Neuhuber in *Gymnocalycium* 20: 704. 2007 syn. sec. Kew WCVP (2019)

= *Gymnocalycium lukasikii* subsp. *emilii* Halda & Milt in *Acta Mus. Richnov., Sect. Nat.*, 13: 8. 2006 syn. sec. Kew WCVP (2019)

= *Gymnocalycium tanningaense* subsp. *fuschilloi* Neuhuber in *Gymnocalycium* 20: 705. 2007 syn. sec. Charles (2009)

***Gymnocalycium uebelmannianum* Rausch in *Succulenta (Netherlands)* 51(4): 62. 1972.** Sec. Demaio & al. (2011)

***Haageocereus* Backeb. in *Blätt. Kakteenf.* 1934(6): 1. 1934.** Sec. Hunt (2006)

Type: *Haageocereus pseudomelanostele* (Werderm. & Backeb.) Backeb.

= *Loxanthocereus* Backeb. in *Cactaceae (Berlin)* 1937(1): 24. 1937 syn. sec. Hunt (2006). Type: *Loxanthocereus acanthurus* (Vaupel) Backeb.

= *Peruvocereus* Akers in *Cact. Succ. J. (Los Angeles)* 19: 67. 1947 syn. sec. Hunt (2006). Type: *Peruvocereus salmoideus* Akers

– *Haageocactus* Backeb. in *Möller's Deutsche Gärt.-Zeitung* 46: 187. 1931, nom. inval. syn. sec. Kew WCVP (2019)

– *Floresia* Krainz & F.Ritter ex Backeb., *Cactaceae* 2: 1269. 1959, nom. inval. syn. sec. Kew WCVP (2019)

***Haageocereus acranthus* (Vaupel) Backeb., *Kaktus-ABC*: 207. 1936 ["1935"].** Sec. Kew WCVP (2019)

≡ *Cereus acranthus* Vaupel in *Bot. Jahrb. Syst.* 50(2-3, Beibl. 111): 14–15. 1913 syn. sec. Hunt (2006) ≡ *Binghamia acrantha* (Vaupel) Britton & Rose, *Cactaceae* 2: 168. 1920 syn. sec. Hunt (2006) ≡ *Pilocereus acranthus* K.Schum. ex Weberb., *Veg. Erde* 12: t. 5b. 1911 syn. sec. Kew WCVP (2019)

= *Haageocereus matucanensis* Backeb. in *Desert Pl. Life* 5: 3. 1933 syn. sec. Kew WCVP (2019)

= *Haageocereus olowinskianus* Backeb. in *Cactaceae (Berlin)* 1936: 119. 1936 syn. sec. Hunt (2006) ≡ *Binghamia olowinskiana* (Backeb.) W.T.Marshall in *Marshall & Bock, Cactaceae*: 100. 1941 syn. sec. Kew WCVP (2019) ≡ *Haageocereus acranthus* var. *olowinskianus* (Backeb.) Ostolaza in *Cact. Succ. J. (Los Angeles)* 67: 9. 1995 syn. sec. Kew WCVP (2019) ≡

Haageocereus acranthus subsp. *olowinskianus* (Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 8. 1998 syn. sec. Kew WCVP (2019)

= *Haageocereus acranthus* var. *fortalezensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 22. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Haageocereus olowinskianus* subvar. *erythranthus* Rauh & Backeb., *Descr. Cact. Nov.* 1: 24. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Haageocereus achaetus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 381. 1958 syn. sec. Tropicos

= *Haageocereus clavispinus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 382. 1958 syn. sec. Hunt (2006) ≡ *Haageocereus acranthus* f. *clavispinus* (Rauh & Backeb.) Ostolaza in *Cact. Succ. J. (Los Angeles)* 67: 10. 1995 syn. sec. Kew WCVP (2019)

= *Haageocereus deflexispinus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 380. 1958 syn. sec. Tropicos ≡ *Haageocereus limensis* var. *deflexispinus* (Rauh & Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1399. 1981 syn. sec. Tropicos ≡ *Haageocereus acranthus* subsp. *deflexispinus* (Rauh & Backeb.) Ostolaza in *Brit. Cact. Succ. J.* 21: 94. 2003 syn. sec. Kew WCVP (2019)

= *Haageocereus olowinskianus* var. *repandus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 384. 1958 syn. sec. Tropicos ≡ *Haageocereus acranthus* f. *repandus* (Rauh & Backeb.) Ostolaza in *Cact. Succ. J. (Los Angeles)* 67: 10. 1995 syn. sec. Kew WCVP (2019)

- = *Haageocereus olowinskianus* var. *rubriflorior* Rauh & Backeb. syn. sec. Tropicos ≡ *Haageocereus acranthus* f. *rubriflorior* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 14: 167. 1996 syn. sec. Kew WCVP (2019)
- Haageocereus acranthus* subsp. *acranthus*.** Sec. Hunt (2006)
- = *Haageocereus paradoxus* Rauh & Backeb., Descr. Cact. Nov. 1: 24. 1957 ["1956"] syn. sec. Tropicos
- = *Haageocereus icensis* Backeb. ex F.Ritter, Kakteen Südamerika 4: 1394. 1981 syn. sec. Hunt (2006)
- Haageocereus acranthus* subsp. *backebergii* N.Calderón in Bradleya 25: 64. 2007.** Sec. Hunt (2006)
- ≡ *Echinopsis limensis* subsp. *backebergii* (N.Calderón) Molinari & Mayta in Succulentopi@ 14: 20. 2015 syn. sec. Korotkova (2021)
- Haageocereus acranthus* subsp. *zonatus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 21(2): 94. 2003.** Sec. Hunt (2006)
- ≡ *Haageocereus zonatus* Rauh & Backeb., Descr. Cact. Nov. 1: 23. 1957 ["1956"] syn. sec. Hunt (2006) – *Haageocereus limensis* var. *zonatus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1400. 1981, nom. inval. syn. sec. Korotkova (2021)
- Haageocereus albispinus* (Akers) Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 414. 1958.** Sec. Brako & Zarucchi (1993)
- ≡ *Peruvocereus albispinus* Akers in Cact. Succ. J. (Los Angeles) 20: 154–156. 1948 syn. sec. Brako & Zarucchi (1993)
- = *Haageocereus peniculatus* Rauh & Backeb., Descr. Cact. Nov. 1: 21. 1957 ["1956"] syn. sec. Brako & Zarucchi (1993)
- Haageocereus chilensis* F.Ritter ex D.R.Hunt in Cactaceae Syst. Init. 20: 19, 24–25. 2005.** Sec. Hunt (2006)
- = *Cereus fascicularis* Meyen in Allg. Gartenzeitung 1: 211. 1833 syn. sec. Hunt (2006) ≡ *Echinocactus fascicularis* (Meyen) Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Hunt (2006) ≡ *Cactus fascicularis* (Meyen) Meyen, Observ. Bot. 1: 447. 1843 syn. sec. Hunt (2006) ≡ *Trichocereus fascicularis* (Meyen) Britton & Rose, Cactaceae 2: 141–142, f. 205–207. 1920 syn. sec. Hunt (2006) ≡ *Weberbauerocereus fascicularis* (Meyen) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 31. 1942 syn. sec. Hunt (2006) ≡ *Haageocereus fascicularis* (Meyen) F.Ritter, Kakteen Südamerika 3: 1125. 1980 syn. sec. Hunt (2006) – *Cereus fascicularis* (Meyen) K.Schum., Gesamtbeschr. Kakt.: 57. 1897, nom. inval. syn. sec. IPNI: 24 aug 2020
- = *Echinopsis nothochilensis* Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Korotkova (2021)
- Haageocereus ×comosus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 430. 1958.** Sec. Kew WCVP (2019)
- Haageocereus decumbens* (Vaupel) Backeb. in Blätt. Kakteenf. 1934(6): 2. 1934.** Sec. Hunt (2006)
- ≡ *Cereus decumbens* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 18–19. 1913 syn. sec. Hunt (2006) ≡ *Borzicactus decumbens* (Vaupel) Britton & Rose, Cactaceae 2: 162. 1920 syn. sec. Hunt (2006) ≡ *Binghamia decumbens* (Vaupel) Werderm. in Kakteenkunde 1937: 24. 1937 syn. sec. Hunt (2006) ≡ *Echinopsis decumbens* (Vaupel) Mayta in Succulentopi@ 14: 14. 2015 syn. sec. Korotkova (2021)
- = *Haageocereus australis* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 104. 1935 syn. sec. Hunt (2006) ≡ *Binghamia australis* (Backeb.) Werderm. in Kakteenkunde 1937: 23. 1937 syn. sec. Kew WCVP (2019)
- = *Haageocereus decumbens* var. *spiniosior* Backeb. in Cact. Succ. J. (Los Angeles) 23(2): 47. 1951 syn. sec. Tropicos ≡ *Haageocereus decumbens* f. *spiniosior* (Backeb.) Krainz, Kakteen 31: C Va. 1965 syn. sec. Kew WCVP (2019)
- = *Haageocereus ocona-camanensis* Rauh & Backeb., Descr. Cact. Nov. 1: 26. 1957 ["1956"] syn. sec. Tropicos
- = *Haageocereus ambiguus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 395. 1958 syn. sec. Tropicos
- = *Haageocereus ambiguus* var. *reductus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 395. 1958 syn. sec. Tropicos
- = *Haageocereus australis* var. *acinacispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 392. 1958 syn. sec. Tropicos
- = *Haageocereus litoralis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 394. 1958 syn. sec. Tropicos
- = *Haageocereus mamillatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 395. 1958 syn. sec. Tropicos
- = *Haageocereus mamillatus* var. *brevior* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 397. 1958 syn. sec. Tropicos
- = *Haageocereus multicolorispinus* Buining in Sukkulentenkunde 7-8: 41. 1963 syn. sec. Hunt (2006)
- = *Haageocereus australis* f. *nanus* F.Ritter, Kakteen Südamerika 3: 1127. 1980 syn. sec. WFO 2019
- = *Haageocereus australis* f. *subtilispinus* F.Ritter, Kakteen Südamerika 3: 1127. 1980 syn. sec. Kew WCVP (2019) ≡ *Haageocereus subtilispinus* F.Ritter, Kakteen Südamerika 4: 1419. 1981 syn. sec. Kew WCVP (2019) ≡ *Echinopsis subtilispina* (F.Ritter) Mayta in Succulentopi@ 14: 15. 2015 syn. sec. Kew WCVP (2019)
- = *Haageocereus chalaensis* F.Ritter, Kakteen Südamerika 4: 1389. 1981 syn. sec. Hunt (2006)
- = *Haageocereus decumbens* var. *brevispinus* F.Ritter, Kakteen Südamerika 4: 1392. 1981 syn. sec. Tropicos
- = *Echinopsis magliana* Mayta & Molinari in Succulentopi@ 14: 14. 2015 syn. sec. Kew WCVP (2019)
- Haageocereus fulvus* F.Ritter, Kakteen Südamerika 4: 1393. 1981.** Sec. Tropicos
- = *Haageocereus acranthus* var. *fortalezenis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 377. 1958 syn. sec. Tropicos
- = *Haageocereus fulvus* var. *yautanensis* F.Ritter, Kakteen Südamerika 4: 1393. 1981 syn. sec. Tropicos

***Haageocereus kagenekii* (C.C.Gmel.) Mottram in Cactician 7: 12. 2014.** Sec. Mottram (2014)

- ≡ *Cactus kagenekii* C.C.Gmel., Hortus Carlsruh.: 48. 1811 syn. sec. Mottram (2014) ≡ *Cereus kagenekii* C.C.Gmel. ex Pfeiff., Enum. Diagn. Cact.: 77. 1837
- = *Cactus multangularis* Willd., Enum. Pl., Suppl.: 33. 1814 syn. sec. Mottram (2014) ≡ *Cereus multangularis* (Willd.) Haw., Suppl. Pl. Succ.: 75. 1819 syn. sec. Mottram (2014) ≡ *Echinocereus multangularis* (Willd.) J.N.Haage in Preis-Verz. Cact.: 23. 1859 syn. sec. Franck (2021) ≡ *Echinocereus multangularis* (Willd.) Rümpler, Handb. Cacteenk., ed. 2: 825. 1885 syn. sec. Mottram (2014) ≡ *Binghamia multangularis* (Willd.) Britton & Rose, Cactaceae 4: 279. 1923 syn. sec. Mottram (2014) ≡ *Echinopsis multiangularis* (Willd.) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Franck (2021) – *Cereus multiangularis* (Willd.) Haw., Suppl. Pl. Succ.: 75. 1819 syn. sec. Mottram (2014) [is misspelling for *Cereus multangularis* (Willd.) Haw.] – *Haageocereus multangularis* (Willd.) F.Ritter, Kakteen Südamerika 4: 1401. 1981, nom. inval. syn. sec. Mottram (2014)
- = *Cactus lecchii* Colla, Hortus Ripul. App. 4: 6. 1832 syn. sec. Britton & Rose (1920) ≡ *Echinocactus lecchii* (Colla) G.Don, Hort. Brit., ed. 3: 283. 1839 syn. sec. Britton & Rose (1920)
- = *Cereus flavescens* Otto ex Pfeiff., Enum. Diagn. Cact.: 79. 1837 syn. sec. Britton & Rose (1920) ≡ *Echinocereus flavescens* (Pfeiff.) Engelm. ex J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. Britton & Rose (1920)
- = *Cereus lecchii* Pfeiff., Enum. Diagn. Cact.: 78. 1837 syn. sec. Britton & Rose (1920)
- = *Cereus multangularis* var. *pallidior* Pfeiff., Enum. Diagn. Cact.: 78. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocereus multangularis* var. *pallidior* (Pfeiff.) Rümpler, Handb. Cacteenk., ed. 2: 825. 1885 syn. sec. Kew WCVP (2019) ≡ *Binghamia multangularis* var. *pallidior* (Pfeiff.) Borg, Cacti, ed. 1: 142. 1937 syn. sec. Kew WCVP (2019)
- = *Cereus ochracanthus* Pfeiff., Enum. Diagn. Cact.: 78. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus multangularis* var. *limensis* (Salm-Dyck) C.A.Maass in Monatsschr. Kakteenk. 15: 119. 1905 syn. sec. Kew WCVP (2019) ≡ *Binghamia multangularis* var. *limensis* (Salm-Dyck) Borg, Cacti, ed. 1: 142. 1937 syn. sec. Kew WCVP (2019) ≡ *Echinopsis limensis* (Salm-Dyck) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Kew WCVP (2019)
- = *Cereus multangularis* var. *rufispinus* Haw. ex Fobe in Monatsschr. Kakteenk. 18: 75. 1908 syn. sec. Kew WCVP (2019) ≡ *Binghamia multangularis* var. *rufispina* (Haw. ex Fobe) Borg, Cacti, ed. 1: 142. 1937 syn. sec. Kew WCVP (2019)
- = *Cereus chosicensis* Werderm. & Backeb., Neue Kakteen: 74. 1931 syn. sec. Kew WCVP (2019) ≡ *Binghamia chosicensis* (Werderm. & Backeb.) Backeb. ex J.West in Cact. Succ. J. (Los Angeles) 4: 279. 1932 syn. sec. Kew WCVP (2019) ≡ *Haageocereus chosicensis* Backeb., Kaktus-ABC: 207. 1936 ["1935"] syn. sec. Tropicos
- = *Cereus pseudomelanostele* Werderm. & Backeb., Neue Kakteen: 74. 1931 syn. sec. Mottram (2014) ≡ *Binghamia pseudomelanostele* (Werderm. & Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 4: 280. 1932 syn. sec. Mottram (2014) ≡ *Haageocereus pseudomelanostele* (Werderm. & Backeb.) Backeb., Kaktus-ABC: 209. 1936 ["1935"] syn. sec. Mottram (2014) ≡ *Echinopsis pseudomelanostele* (Werderm. & Backeb.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 39. 2013 syn. sec. Mottram (2014) ≡ *Peruvocereus multangularis* Akers in Cact. Succ. J. (Los Angeles) 22(6): 174. 1950, nom. illeg. syn. sec. Mottram (2014) ≡ *Haageocereus akersii* Backeb. in Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 416. 1958 syn. sec. Mottram (2014) – *Haageocereus multangularis* var. *pseudomelanostele* (Werderm. & Backeb.) F.Ritter, Kakteen Südamerika 4: 1406. 1981, nom. inval. syn. sec. Mottram (2014)
- = *Cereus pacalaensis* Backeb. in Kakteen-Freund 2(1): 4. 1933 syn. sec. Brako & Zarucchi (1993) ≡ *Haageocereus pacalaensis* Backeb. in Blätt. Kakteenf. 1936(4): 4. 1936 syn. sec. Hunt (2006) ≡ *Binghamia pacalaensis* (Backeb.) Werderm. in Kakteenkunde 1937: 24. 1937 syn. sec. Hunt (2006)
- = *Cereus pseudomelanostele* var. *laredensis* Backeb. in Kakteen-Freund 2: 54. 1933 syn. sec. Kew WCVP (2019)
- = *Haageocereus laredensis* Backeb., Kaktus-ABC: 208, 412. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Binghamia laredensis* (Backeb.) Werderm. in Kakteenkunde 1937: 24. 1937 syn. sec. Kew WCVP (2019)
- = *Peruvocereus rubrispinus* Akers in Cact. Succ. J. (Los Angeles) 19: 121–123. 1947 syn. sec. Brako & Zarucchi (1993) ≡ *Haageocereus chosicensis* var. *rubrispinus* (Akers) Backeb., Kaktus-ABC: 207. 1936 ["1935"] syn. sec. Tropicos ≡ *Haageocereus rubrospinus* (Akers) Cullmann in Succulenta (Netherlands) 1960: 13. 1960 syn. sec. Kew WCVP (2019)
- = *Peruvocereus rubrospinus* Akers in Cact. Succ. J. (Los Angeles) 19: 121. 1947 syn. sec. Kew WCVP (2019) ≡ *Haageocereus chosicensis* f. *rubrospinus* (Akers) Krainz, Kakteen 28: C Va. 1964 syn. sec. Kew WCVP (2019)
- = *Peruvocereus salmonoideus* Akers in Cact. Succ. J. (Los Angeles) 19: 109–110. 1947 syn. sec. Tropicos ≡ *Haageocereus salmonoideus* (Akers) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 429. 1958 syn. sec. Tropicos
- = *Peruvocereus setosus* Akers in Cact. Succ. J. (Los Angeles) 19: 68–70. 1947 syn. sec. Tropicos ≡ *Haageocereus pseudomelanostele* var. *setosus* (Akers) Backeb. in Cact. Succ. J. (Los Angeles) 23(2): 47. 1951 syn. sec. Tropicos ≡ *Haageocereus setosus* (Akers) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 414. 1958 syn. sec. Tropicos
- = *Peruvocereus setosus* var. *longicomus* Akers in Cact. Succ. J. (Los Angeles) 19: 91. 1947 syn. sec. Kew WCVP (2019) ≡ *Haageocereus pseudomelanostele* var. *longicomus* (Akers) Backeb. in Cact. Succ. J. (Los Angeles) 23: 47. 1951 syn. sec. Kew WCVP (2019) ≡ *Haageocereus setosus* var. *longicoma* (Akers) Backeb. in Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 414. 1958 syn. sec. Tropicos ≡ *Haageocereus pseudomelanostele* f. *longicomus* (Akers) Ostolaza in Cact. Succ. J. (Los Angeles) 67: 8. 1995 syn. sec. Kew WCVP (2019)
- = *Peruvocereus viridiflorus* Akers in Cact. Succ. J. (Los Angeles) 19: 143–144. 1947 syn. sec. Tropicos ≡ *Haageocereus viridiflorus* (Akers) Backeb. in Rauh, Beitr. Kenntn. Peruan. Kakteenveg.: 404. 1958 syn. sec. Tropicos
- = *Peruvocereus albispinus* var. *floribundus* Akers in Cact. Succ. J. (Los Angeles) 20: 155. 1948 syn. sec. Kew WCVP (2019) ≡ *Haageocereus albispinus* var. *floribundus* (Akers) Backeb., Cactaceae 2: 1210. 1959 syn. sec. Kew WCVP (2019)
- = *Peruvocereus albispinus* var. *roseospinus* Akers in Cact. Succ. J. (Los Angeles) 20: 156. 1948 syn. sec. Kew WCVP (2019) ≡ *Haageocereus albispinus* var. *roseospinus* (Akers) Backeb., Cactaceae 2: 1211. 1959 syn. sec. Kew WCVP (2019)
- = *Peruvocereus clavatus* Akers in Cact. Succ. J. (Los Angeles) 20: 55. 1948 syn. sec. Brako & Zarucchi (1993)

- = *Peruvocereus chrysacanthus* Akers in Cact. Succ. J. (Los Angeles) 21: 45–46. 1949 syn. sec. Tropicos ≡ *Haageocereus chrysacanthus* (Akers) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 415. 1958 syn. sec. Tropicos ≡ *Haageocereus pseudomelanostele* var. *chrysacanthus* (Akers) Krainz syn. sec. Tropicos
- = *Haageocereus crassiareolatus* var. *smaragdisepalus* Rauh & Backeb., Descr. Cact. Nov. 1: 24. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Haageocereus dichromus* var. *pallidior* Rauh & Backeb., Descr. Cact. Nov. 1: 24. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Haageocereus rigidispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 26. 1957 ["1956"] syn. sec. Tropicos
- = *Haageocereus acanthocladus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 408. 1958 syn. sec. Hunt (2006) ≡ *Haageocereus pseudomelanostele* subsp. *acanthocladus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 21: 94. 2003 syn. sec. Kew WCVP (2019)
- = *Haageocereus acranthus* var. *metachrous* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 376. 1958 syn. sec. Tropicos ≡ *Haageocereus limensis* var. *metachrous* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1400. 1981 syn. sec. Tropicos
- = *Haageocereus aureispinus* var. *fuscispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 407. 1958 syn. sec. Tropicos
- = *Haageocereus aureispinus* var. *rigidispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 407. 1958 syn. sec. Tropicos
- = *Haageocereus crassiareolatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 421. 1958 syn. sec. Tropicos
- = *Haageocereus dichromus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 420. 1958 syn. sec. Tropicos
- = *Haageocereus divaricatispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 432. 1958 syn. sec. Tropicos
- = *Haageocereus horrens* Rauh & Backeb., Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 411. 1958 syn. sec. Tropicos
- = *Haageocereus horrens* var. *sphaerocarpus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 411. 1958 syn. sec. Tropicos
- = *Haageocereus laredensis* var. *longispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 403. 1958 syn. sec. Kew WCVP (2019)
- = *Haageocereus longiareolatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 418. 1958 syn. sec. Hunt (2006)
- = *Haageocereus piliger* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 415. 1958 syn. sec. Tropicos
- = *Haageocereus pseudomelanostele* var. *clavatus* Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 429. 1958 syn. sec. Tropicos
- = *Haageocereus symmetros* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 430. 1958 syn. sec. Tropicos
- = *Haageocereus tenuispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 409. 1958 syn. sec. Tropicos
- = *Haageocereus zehnderi* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 416. 1958 syn. sec. Tropicos
- = *Haageocereus clavatus* Cullmann in Succulenta (Netherlands) 1960: 12. 1960 syn. sec. Tropicos
- = *Haageocereus multangularis* var. *dichromus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1406. 1981 syn. sec. Tropicos ≡ *Haageocereus chosicensis* var. *dichromus* F.Ritter & Krainz syn. sec. Tropicos
- = *Haageocereus vulpes* F.Ritter, Kakteen Südamerika 4: 1423. 1981 syn. sec. Kew WCVP (2019) ≡ *Echinopsis vulpes* (F.Ritter) Molinari in Succulentopii@ 13: 19. 2015 syn. sec. Kew WCVP (2019)
- = *Haageocereus multangularis* f. *cristatus* P.V.Heath in Calyx 5: 64. 1995 syn. sec. Kew WCVP (2019)
- = *Cleistocactus ×clavispinus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 16: 133. 1998 syn. sec. Kew WCVP (2019)
- = *Echinopsis hadriatica* Molinari & Mayta in Succulentopii@ 14: 19. 2015 syn. sec. Kew WCVP (2019)
- = *Haageocereus chosicensis* var. *marksianus* F.Ritter syn. sec. Tropicos
- = *Haageocereus laredensis* var. *montanus* F.Ritter syn. sec. Tropicos
- = *Haageocereus laredensis* var. *pseudoversicolor* F.Ritter syn. sec. Tropicos
- = *Haageocereus marksianus* F.Ritter syn. sec. Hunt (2006)
- = *Haageocereus multangularis* var. *aureus* F.Ritter syn. sec. Tropicos
- = *Haageocereus pacalaensis* var. *laredensis* Krainz syn. sec. Tropicos
- = *Haageocereus pacalaensis* var. *longispinus* (Rauh & Backeb.) Krainz syn. sec. Tropicos
- = *Haageocereus pacalaensis* var. *montanus* F.Ritter syn. sec. Tropicos
- = *Haageocereus pacalaensis* var. *pseudoversicolor* (Rauh & Backeb.) F.Ritter & Krainz syn. sec. Tropicos
- = *Haageocereus pacalaensis* var. *repens* Krainz syn. sec. Tropicos
- = *Haageocereus salmonoideus* var. *rubrispinus* Rauh syn. sec. Tropicos
- = *Loxanthocereus casmaensis* F.Ritter syn. sec. Tropicos

***Haageocereus pseudomelanostele* subsp. *aureispinus* (Rauh & Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 9. 1998. Sec. Hunt (2006)**

≡ *Haageocereus aureispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 404. 1958 syn. sec. Hunt (2006) ≡ *Haageocereus pseudomelanostele* var. *aureispinus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 14: 170. 1996 syn. sec. Kew WCVP (2019)

= *Haageocereus pachystele* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 434. 1958 syn. sec. Hunt (2006)

= *Haageocereus aureispinus* var. *fuscispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 407. 1958 syn. sec. Kew WCVP (2019)

***Haageocereus pseudomelanostele* subsp. *carminiflorus* (Rauh & Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 9. 1998. Sec. Hunt (2006)**

≡ *Haageocereus pseudomelanostele* var. *carminiflorus* Rauh & Backeb., Descr. Cact. Nov. 1: 21. 1957 ["1956"] syn. sec. Hunt (2006)

***Haageocereus pseudomelanostele* subsp. *chryseus* D.R.Hunt in *Cactaceae Syst. Init.* 14: 17. 2002. Sec. Hunt (2006)**

= *Haageocereus chryseus* F.Ritter, Kakteen Südamerika 4: 1390. 1981 syn. sec. Hunt (2006) ≡ *Haageocereus chosicensis* var. *chrysacanthus* F.Ritter syn. sec. Tropicos

***Haageocereus pseudomelanostele* subsp. *pseudomelanostele*. Sec. Hunt (2006)**

***Haageocereus pseudomelanostele* subsp. *turbidus* (Rauh & Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 9. 1998. Sec. Hunt (2006)**

≡ *Haageocereus turbidus* Rauh & Backeb., Descr. Cact. Nov. 1: 25. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Haageocereus multangularis* var. *turbidus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1416. 1981 syn. sec. Tropicos ≡ *Haageocereus pseudomelanostele* var. *turbidus* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 16: 132. 1998

= *Haageocereus turbidus* var. *maculatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 426. 1958 syn. sec. Hunt (2006)

***Haageocereus lanugispinus* F.Ritter, Kakteen Südamerika 4: 1395. 1981. Sec. Hunt (2006)**

≡ *Echinopsis lanugispina* (F.Ritter) Molinari & Mayta in Succulentopi@ 14: 20. 2015 syn. sec. Korotkova (2021)

***Haageocereus limensis* (Salm-Dyck) F.Ritter, Kakteen Südamerika 4: 1396. 1981, nom. inval. Sec. Tropicos**

≡ *Cereus limensis* Salm-Dyck in Allg. Gartenzeitung 13: 353. 1845 syn. sec. Hunt (2016)

= *Cereus limensis* Lodd. ex C.F.Först., Handb. Cacteenk.: 375. 1846 syn. sec. Tropicos

= *Echinocereus limensis* Rümpler, Handb. Cacteenk., ed. 2: 824. 1885 syn. sec. Britton & Rose (1920)

= *Echinocereus multangularis* var. *limensis* Lem. ex Rümpler, Handb. Cacteenk., ed. 2: 824. 1885 syn. sec. Britton & Rose (1920)

= *Haageocereus acranthus* var. *crassispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 377. 1958 syn. sec. Tropicos

= *Haageocereus lachayensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 382. 1958 syn. sec. Tropicos

= *Haageocereus olowinskianus* var. *subintertextus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 387. 1958 syn. sec. Tropicos

= *Haageocereus pseudoacranthus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 380. 1958 syn. sec. Tropicos

= *Haageocereus limensis* var. *andicola* F.Ritter, Kakteen Südamerika 4: 1397. 1981 syn. sec. Tropicos

= *Haageocereus limensis* var. *brevispinus* F.Ritter, Kakteen Südamerika 4: 1399. 1981 syn. sec. Tropicos

***Haageocereus platinospinus* (Werderm. & Backeb.) Backeb., Kaktus-ABC: 209. 1936 ["1935"]. Sec. Hunt (2006)**

≡ *Cereus platinospinus* Werderm. & Backeb., Neue Kakteen: 76. 1931 syn. sec. Tropicos ≡ *Binghamia platinospina* (Werderm. & Backeb.) Werderm. in Kakteenkunde 1837: 24. 1937 syn. sec. Hunt (2006) ≡ *Borzicactus platinospinus* (Werderm. & Backeb.) Borg, Cacti, ed. 1: 148. 1937 syn. sec. Hunt (2006) ≡ *Echinopsis platinospina* (Werderm. & Backeb.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 39. 2013 syn. sec. Kew WCVP (2019)

= *Haageocereus pluriflorus* Rauh & Backeb., Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 389. 1958 syn. sec. Tropicos ≡ *Haageocereus platinospinus* var. *pluriflorus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1418. 1981 syn. sec. Hunt (2006) ≡ *Echinopsis pluriflora* (Rauh & Backeb.) Mayta in Succulentopi@ 14: 15. 2015 syn. sec. Kew WCVP (2019)

***Haageocereus repens* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 398. 1958. Sec. Hunt (2006)**

≡ *Haageocereus pacalaensis* subsp. *repens* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 18: 130. 2000

***Haageocereus seticeps* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 423. 1958. Sec. Brako & Zarucchi (1993)**

≡ *Haageocereus seticeps* var. *robustispinus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 424. 1958 syn. sec. Brako & Zarucchi (1993)

***Haageocereus tenuis* F.Ritter, Kakteen Südamerika 4: 1421. 1981. Sec. Hunt (2006)**

≡ *Haageocereus decumbens* subsp. *tenuis* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 14: 17. 2002 ≡ *Echinopsis tenuis* (F.Ritter) Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Hunt (2006)

= *Pygmaeocereus densiaculeatus* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Korotkova (2021) ≡ *Arthroocereus densiaculeatus* (Backeb.) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 36. 1967 syn. sec. Kew WCVP (2019)

***Haageocereus versicolor* (Werderm. & Backeb.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 7. 1935.** Sec. Hunt (2006)

≡ *Cereus versicolor* Werderm. & Backeb., Neue Kakteen: 81. 1931 syn. sec. Hunt (2006) ≡ *Binghamia versicolor* (Werderm. & Backeb.) J. West in Cact. Succ. J. (Los Angeles) 4: 279. 1932 syn. sec. Hunt (2006)

= *Cereus versicolor* var. *humifusus* Werderm. & Backeb., Neue Kakteen: 24. 1931 syn. sec. Kew WCVP (2019) ≡ *Haageocereus humifusus* (Werderm. & Backeb.) Backeb. syn. sec. Tropicos

= *Cereus versicolor* var. *lasiacanthus* Werderm. & Backeb., Neue Kakteen: 81. 1931 syn. sec. Kew WCVP (2019)

= *Cereus versicolor* var. *xanthacanthus* Werderm. & Backeb., Neue Kakteen: 81. 1931 syn. sec. Kew WCVP (2019) ≡

Haageocereus versicolor var. *xanthacanthus* (Werderm. & Backeb.) Backeb. in Blätt. Kakteenf. 1936(4): 3. 1936 syn. sec. Tropicos

= *Haageocereus versicolor* var. *aureispinus* Backeb. in Blätt. Kakteenf. 1936(4): 3. 1936 syn. sec. Tropicos ≡ *Haageocereus versicolor* f. *aureispinus* (Backeb.) Krainz, Kakteen 25: C Va. 1963 syn. sec. Kew WCVP (2019)

= *Haageocereus versicolor* var. *fuscus* Backeb. in Blätt. Kakteenf. 1936(4): 3. 1936 syn. sec. Tropicos ≡ *Haageocereus versicolor* f. *fuscus* (Backeb.) Krainz, Kakteen 25: C Va. 1963 syn. sec. Kew WCVP (2019)

= *Haageocereus versicolor* var. *humifusus* Backeb. in Blätt. Kakteenf. 1936(4): 3. 1936 syn. sec. Tropicos ≡ *Binghamia humifusa* (Backeb.) Werderm. in Kakteenkunde 1937: 24. 1937 syn. sec. Kew WCVP (2019)

= *Haageocereus versicolor* var. *lasiacanthus* Backeb. in Blätt. Kakteenf. 1936(4): 3. 1936 syn. sec. Hunt (2006) ≡ *Haageocereus versicolor* f. *lasiacanthus* (Backeb.) Krainz, Kakteen 25: C Va. 1963 syn. sec. Kew WCVP (2019)

= *Binghamia versicolor* var. *humifusa* W.T. Marshall in Marshall & Bock, Cactaceae: 100. 1941 syn. sec. Kew WCVP (2019)

= *Binghamia versicolor* var. *lasiacantha* W.T. Marshall in Marshall & Bock, Cactaceae: 100. 1941 syn. sec. Kew WCVP (2019)

= *Binghamia versicolor* var. *xanthacantha* W.T. Marshall in Marshall & Bock, Cactaceae: 100. 1941 syn. sec. Kew WCVP (2019)

= *Haageocereus versicolor* var. *catacanthus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 401. 1958 syn. sec. Tropicos

= *Haageocereus versicolor* var. *proliferus* Rauh, Kakteen an ihren Standorten: 154. 1979 syn. sec. Tropicos

= *Haageocereus versicolor* f. *cristatus* P.V. Heath in Calyx 5: 65. 1995 syn. sec. Kew WCVP (2019)

= *Haageocereus versicolor* var. *paitanus* F. Ritter syn. sec. Tropicos

***Haageocereus versicolor* subsp. *pseudoversicolor* (Rauh & Backeb.) N. Calderón in Bradleya 25: 106. 2007.** Sec. Hunt (2006)

≡ *Haageocereus pseudoversicolor* Rauh & Backeb., Descr. Cact. Nov. 1: 23. 1957 ["1956"] syn. sec. Hunt (2006)

= *Haageocereus icosagonoides* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 402. 1958 syn. sec. Kew WCVP (2019)

= *Haageocereus icosagonoides* f. *heteracanthus* F. Ritter, Kakteen Südamerika 4: 1395. 1981 syn. sec. Kew WCVP (2019)

= *Haageocereus zangalensis* F. Ritter, Kakteen Südamerika 4: 1424. 1981 syn. sec. Hunt (2006)

***Haageocereus versicolor* subsp. *versicolor*.** Sec. Hunt (2006)

***Harrisia* Britton in Bull. Torrey Bot. Club 35: 561. 1909.** Sec. Franck (2016)

Type: *Harrisia gracilis* (Mill.) Britton

= *Cereus* subg. *Eriocereus* A. Berger in Rep. (Annual) Missouri Bot. Gard. 16: 74. 1905 syn. sec. Franck (2016)

≡ *Eriocereus* (A. Berger) Riccob. in Boll. Reale Orto Bot. Palermo 8: 238. 1909 syn. sec. Hunt (2006). Type: *Eriocereus tortuosus* (J. Forbes) Riccob.

= *Roseocereus* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938 syn. sec. Hunt (2006). Type: *Roseocereus tetracanthus* (Labour.) Backeb.

= *Erythroocereus* Houghton in Calyx 5: 96. 1996 syn. sec. Kew WCVP (2019)

= ×*Eriocereopsis* Doweld in Sukkulenty 4(1-2): 34. 2002 ["2001"] syn. sec. Franck (2016)

= *Serrulatoocereus* Guiggi in Cactology 5 (Suppl. VI): 1. 2018 syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** *Harrisia* was confirmed as monophyletic by Franck (2012), with a revised infrageneric classification published shortly after (Franck & al. 2013).

Key literature: For a synopsis see Franck (2012); further phylogenetic studies see (Franck & al. 2013a; Franck & al. 2013a,b); monograph by Franck (2016). [Franck (2021)]

***Harrisia aboriginum* Small ex Britton & Rose, Cactaceae 2: 154. 1920.** Sec. Franck (2016)

≡ *Cereus aboriginum* (Small ex Britton & Rose) Little in Amer. Midl. Naturalist 33: 495. 1945 syn. sec. Franck (2016) ≡ *Cereus gracilis* var. *aboriginum* (Small ex Britton & Rose) L.D. Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Franck (2016) ≡ *Harrisia gracilis* var. *aboriginum* (Small ex Britton & Rose) D.B. Ward in Novon 14: 366. 2004 syn. sec. Franck (2016)

= *Harrisia donae-antoniae* Hooten in Cact. Succ. J. (Los Angeles) 63(2): 65. 1991 syn. sec. Franck (2016)

***Harrisia adscendens* (Gürke) Britton & Rose, Cactaceae 2: 155. 1920.** Sec. Franck (2016)

≡ *Cereus adscendens* Gürke in Monatsschr. Kakteenk. 18: 66. 1908, nom. cons. syn. sec. Franck (2016) ≡ *Eriocereus adscendens* (Gürke) A. Berger, Kakteen: 129. 1929 syn. sec. Franck (2016)

= *Cereus platygonus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 199. 1850 syn. sec. Kew WCVP (2019) ≡ *Eriocereus platygonus* (Otto) Riccob. in Boll. Reale Orto Bot. Palermo 8: 242. 1909 syn. sec. Franck (2016) ≡ *Harrisia platygona* (Otto) Britton & Rose, Cactaceae 2: 156. 1920 syn. sec. Franck (2016) – *Cereus platygonus* Otto, Cact. Hort. Dyck.49, ed. 18: 199. 1850, nom. rej. syn. sec. Franck (2016)

***Harrisia bonplandii* (Parm. ex Pfeiff.) Britton & Rose, Cactaceae 2: 157. 1920. Sec. Franck (2016)**

≡ *Cereus bonplandii* Parm. ex Pfeiff., Enum. Diagn. Cact.: 108. 1837 syn. sec. Franck (2016) ≡ *Eriocereus bonplandii* (Parm. ex Pfeiff.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 238. 1909 syn. sec. Franck (2016) ≡ *Harrisia pomanensis* subsp.

bonplandii (Parm. ex Pfeiff.) Braun & Esteves in Succulenta (Netherlands) 73: 131. 1995 syn. sec. Franck (2016)

= *Cereus balansae* K.Schum., Fl. Bras. 4(2): 210. 1890 syn. sec. Franck (2016) ≡ *Harrisia balansae* (K.Schum.) N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 7. 1997 syn. sec. Franck (2016) ≡ *Echinopsis balansae* (K.Schum.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 37. 2013 syn. sec. Korotkova (2021)

= *Cereus guelichii* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 482. 1905 syn. sec. Franck (2016) ≡ *Harrisia guelichii* (Speg.) Britton & Rose, Cactaceae 2: 158. 1920 syn. sec. Franck (2016) ≡ *Eriocereus guelichii* (Speg.) A.Berger, Kakteen: 130. 1929 syn. sec. Franck (2016)

= *Cereus pomanensis* var. *grossei* Weing. ex A.Berger, Kakteen: 128. 1929 syn. sec. Franck (2016)

– *Cereus rhodocephalus* Lem., Cact. Gen. Sp. Nov.: 79. 1839, nom. inval. syn. sec. Britton & Rose (1920)

***Harrisia brookii* Britton in Bull. Torrey Bot. Club 35: 564. 1908. Sec. Franck (2016)**

≡ *Cereus brookii* (Britton) Vaupel in Monatsschr. Kakteenk. 23: 24. 1913 syn. sec. Franck (2016)

***Harrisia caymanensis* A.R.Franck in Haseltonia 18: 98. 2012. Sec. Franck (2016)**

***Harrisia divaricata* (Lam.) Backeb., Cactaceae 4: 2101. 1960. Sec. Franck (2016)**

≡ *Cactus divaricatus* Lam., Encycl. 1(1): 540. 1783 syn. sec. Franck (2016) ≡ *Cereus divaricatus* (Lam.) DC., Prodr. 3: 466. 1828 syn. sec. Franck (2016) ≡ *Pilocereus divaricatus* (Lam.) Lem., Rev. Hort. (Paris): 427. 1862 syn. sec. Franck (2016) –

Harrisia divaricata (Lam.) Lourteig in Bradea 5: 407. 1991, nom. inval. syn. sec. Franck (2016)

= *Cereus serruliflorus* Haw. in Philos. Mag. Ann. Chem.: 113. 1830 syn. sec. Franck (2016) ≡ *Harrisia serruliflora* (Haw.) Lourteig in Bradea 5: 408. 1991 syn. sec. Franck (2016) ≡ *Serrulatocereus serruliflorus* (Haw.) Guiggi in Cactology 5 (Suppl. VI): 1. 2018 syn. sec. Franck (2021) – *Harrisia serruliflorus* (Haw.) Lourteig in Bradea 5(44): 408. 1991 syn. sec. TPL (2013) [is misspelling for *Harrisia serruliflora* (Haw.) Lourteig]

= *Cereus divergens* Pfeiff., Enum. Diagn. Cact.: 95. 1837 syn. sec. Franck (2016)

= *Harrisia nashii* Britton in Bull. Torrey Bot. Club 35: 564. 1908 syn. sec. Franck (2016) ≡ *Cereus nashii* (Britton) Vaupel in Monatsschr. Kakteenk. 23: 27. 1913 syn. sec. Franck (2016)

= *Harrisia nashii* var. *straminea* W.T.Marshall in Cact. Succ. J. (Los Angeles) 15: 3. 1943 syn. sec. Franck (2016)

***Harrisia earlei* Britton & Rose, Cactaceae 2: 154. 1920. Sec. Franck (2016)**

***Harrisia eriophora* (Pfeiff.) Britton in Bull. Torrey Bot. Club 35: 562. 1908. Sec. Franck (2016)**

≡ *Cereus eriophorus* Pfeiff., Enum. Diagn. Cact.: 94. 1837, nom. cons. prop. syn. sec. Franck (2016)

***Harrisia fernowii* Britton in Bull. Torrey Bot. Club 35: 562. 1908. Sec. Franck (2016)**

= *Cereus eriophorus* var. *laetevirens* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 94. 1837 syn. sec. Franck (2016) – *Cereus eriophorus* var. *laeteviridis* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 94. 1837 syn. sec. Kew WCVP (2019) [is misspelling for *Cereus eriophorus* var. *laetevirens* Salm-Dyck ex Pfeiff.]

= *Cereus undatus* Pfeiff., Enum. Diagn. Cact.: 94. 1837 syn. sec. Franck (2021) ≡ *Harrisia undata* Britton in Bull. Torrey Bot. Club 35: 564. 1909, nom. illeg. syn. sec. Franck (2016)

= *Harrisia taylorii* Britton in Bull. Torrey Bot. Club 35: 565. 1908 syn. sec. Franck (2016) ≡ *Cereus taylorii* (Britton) Vaupel in Monatsschr. Kakteenk. 23: 37. 1913 syn. sec. Franck (2016)

***Harrisia fragrans* Small ex Britton & Rose, Cactaceae 2: 149. 1920. Sec. Franck (2016)**

≡ *Cereus fragrans* (Small ex Britton & Rose) Little, Amer. Midl. Naturalist 33: 496. 1945 syn. sec. Franck (2016) ≡ *Cereus eriophorus* var. *fragrans* (Small ex Britton & Rose) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Franck (2016) ≡ *Harrisia eriophora* var. *fragrans* (Small ex Britton & Rose) D.B.Ward in Novon 14: 366. 2004 syn. sec. Franck (2016)

= *Harrisia simpsonii* Small ex Britton & Rose, Cactaceae 2: 152. 1920 syn. sec. Franck (2016) ≡ *Cereus gracilis* var. *simpsonii* (Small ex Britton & Rose) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Franck (2016) ≡ *Harrisia gracilis* var. *simpsonii* (Small ex Britton & Rose) D.B.Ward in Novon 14: 367. 2004 syn. sec. Franck (2016)

***Harrisia gracilis* (Mill.) Britton in Bull. Torrey Bot. Club 35: 563. 1908. Sec. Franck (2016)**

≡ *Cereus gracilis* Mill., Gard. Dict., ed. 8: Cereus no. 8. 1768 syn. sec. Franck (2016) ≡ *Cactus gracilis* (Mill.) Weston in Bot. Univ. 1: 33. 1770 syn. sec. Franck (2016) ≡ *Echinopsis gracilis* (Mill.) Molinari & Mayta in Succulentopi@ 14: 11. 2015 syn. sec. Korotkova (2021)

= *Cereus cossyrensis* Tineo ex Tod., Index Seminum (PAL) 1857: 39. 1857 syn. sec. Britton & Rose (1920)

***Harrisia jusbertii* (Rebut) Frič in Möller's Deutsche Gärtn.-Zeitung 36: 421. 1932.** Sec. Franck (2016)

≡ *Cereus jusbertii* Rebut in Catalogue des Cactées et Plantes Grasses Diverses de la Collection de P. Rebut a Chazay-D'Azergues (Rhône) 1891 (?): 3. 1891 syn. sec. Franck (2016) ≡ *Eriocereus jusbertii* (Rebut) Riccob. in Boll. Reale Orto Bot. Palermo 8: 240. 1909 syn. sec. Franck (2016) ≡ ×*Harrisnopsis jusbertii* (Rebut) P.V.Heath in Calyx 1: 111. 1992 syn. sec. Franck (2016) ≡ ×*Eriocereopsis jusbertii* (Rebut) Doweld in Sukkulenty 4(1-2): 34. 2002 ["2001"] syn. sec. Franck (2016) ≡ *Cereus jusbertii* Rebut ex K.Schum., Gesamtbeschr. Kakt.: 137. 1897 syn. sec. Korotkova (2021) – *Harrisia jusbertii* (Rebut) Borg, Cacti, ed. 1: 144. 1937, nom. inval. syn. sec. Franck (2016)

– *Cereus bonplandii* var. *brevispinus* C.A.Maass in Monatsschr. Kakteenk. 15: 119. 1905, nom. inval. syn. sec. Franck (2021)

***Harrisia martinii* (Labour.) Britton in Addisonia 2: 55. 1917.** Sec. Franck (2016)

≡ *Cereus martinii* Labour. in Annales Soc. Hort. Haute-Garonne 1: 182. 1854 syn. sec. Franck (2016) ≡ *Eriocereus martinii* (Labour.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 241. 1909 syn. sec. Franck (2016)

= *Cereus martinii* var. *perviridis* Weing. in Monatsschr. Kakteenk. 24: 72. 1914 syn. sec. Franck (2016) ≡ *Eriocereus perviridis* (Weing.) Backeb. in Backeberg & Knuth, Kaktus-ABC: 179. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Harrisia perviridis* (Weing.) Borg, Cacti, ed. 1: 145. 1937 syn. sec. Franck (2016)

***Harrisia pomanensis* (F.A.C.Weber ex K.Schum.) Britton & Rose, Cactaceae 2: 155. 1920.** Sec. Franck (2016)

≡ *Cereus pomanensis* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 136. 1899 syn. sec. Franck (2016) ≡ *Echinopsis pomanensis* (F.A.C.Weber ex K.Schum.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 39. 2013 syn. sec. Franck (2016) ≡ *Eriocereus pomanensis* (K.Schum.) A.Berger, Kakteen: 129. 1929 syn. sec. Kew WCVP (2019) ≡ *Harrisia pomanensis* subsp. *pomanensis*

= *Eriocereus polycanthus* F.Ritter, Kakteen Südamerika 2: 436. 1980 syn. sec. Franck (2016)

= *Eriocereus tarijensis* F.Ritter, Kakteen Südamerika 2: 557. 1980 syn. sec. Franck (2016) ≡ *Harrisia pomanensis* subsp. *tarijensis* Braun & Esteves in Succulenta (Netherlands) 73: 131. 1995 syn. sec. Franck (2016)

– *Cereus bonplandii* var. *pomanensis* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 137. 1897, nom. inval. syn. sec. Franck (2021)

***Harrisia portoricensis* Britton in Bull. Torrey Bot. Club 35: 563. 1908.** Sec. Franck (2016)

≡ *Cereus portoricensis* (Britton) Urb. in Symb. Antill. 4: 430. 1910 syn. sec. Franck (2016)

= *Harrisia hurstii* W.T.Marshall in Marshall & Bock, Cactaceae: 96, 97, fig. 46. 1941 syn. sec. Franck (2016)

***Harrisia regelii* (Weing.) Borg, Cacti, ed. 1: 145. 1937.** Sec. Franck (2016)

≡ *Cereus regelii* Weing. in Monatsschr. Kakteenk. 20: 33. 1910 syn. sec. Franck (2016) ≡ *Eriocereus martini* var. *regelii* (Weing.) W.T.Marshall in Marshall & Bock, Cactaceae: 98. 1941 syn. sec. Kew WCVP (2019) ≡ *Eriocereus martinii* var. *regelii* (Weing.) W.T.Marshall in Marshall & Bock, Cactaceae: 98. 1941 syn. sec. Franck (2016) ≡ *Eriocereus regelii* (Weing.) Backeb., Cactaceae 4: 2093. 1960 syn. sec. Franck (2016) ≡ *Harrisia pomanensis* subsp. *regelii* (Weing.) R.Kiesling in Darwiniana 34: 395. 1996 syn. sec. Franck (2016)

Harrisia taetra* Areces in Revista Jard. Bot. Nac. Univ. Habana 1: 17. 1980.** Sec. Franck (2016)Harrisia tetraacantha* (Labour.) D.R.Hunt in Bradleya 5: 92. 1987.** Sec. Franck (2016)

≡ *Cereus tetraacanthus* Labour. in Rev. Hort. (Paris) 4: 25. 1855 syn. sec. Franck (2016) ≡ *Eriocereus tetraacanthus* (Labour.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 244. 1909 syn. sec. Franck (2016) ≡ *Trichocereus tetraacanthus* (Labour.) Borg, Cacti, ed. 1: 137. 1937 syn. sec. Franck (2016) ≡ *Roseocereus tephraacanthus* (Labour.) Backeb. in Cactaceae (Berlin) 1941(2): 30. 1942 syn. sec. Tropicos ≡ *Roseocereus tetraacanthus* (Labour.) Backeb. in Cactaceae (Berlin) 1942(2): 30. 1942 syn. sec. Franck (2016) ≡ *Echinopsis tetraacanthus* (Labour.) Anceschi & Magli in Cactusinhabitat S. Amer.: 40. 2013 syn. sec. Franck (2016)

= *Cereus tetraacanthus* var. *boliviana* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 81. 1899 syn. sec. Franck (2016) ≡ *Cereus bolivianus* (F.A.C.Weber ex K.Schum.) F.A.C.Weber in Monatsschr. Kakteenk. 12: 21. 1902 syn. sec. Franck (2016) ≡ *Eriocereus tetraacanthus* var. *bolivianus* (F.A.C.Weber ex K.Schum.) Backeb., Kaktus-ABC: 179. 1936 ["1935"] syn. sec. Franck (2016) ≡ *Trichocereus tetraacanthus* var. *boliviensis* (F.A.C.Weber ex K.Schum.) Borg, Cacti, ed. 1: 137. 1937 syn. sec. Franck (2016)

***Harrisia tortuosa* (J.Forbes) Britton & Rose, Cactaceae 2: 154. 1920.** Sec. Franck (2016)

≡ *Cereus tortuosus* J.Forbes, J. Hort. Tour Germany: 154. 1837 syn. sec. Franck (2016) ≡ *Eriocereus tortuosus* (J.Forbes) Riccob. in Boll. Reale Orto Bot. Palermo 8: 245. 1909 syn. sec. Franck (2016) – *Cereus tortuosus* J.Forbes ex Otto & A.Dietr. in Allg. Gartenzeitung 6: 35. 1838, nom. inval. syn. sec. Franck (2016)

= *Cereus arendtii* Hildmann & Mathsson ex K.Schum. in Monatsschr. Kakteenk. 4: 173. 1894 syn. sec. Franck (2016) ≡

Eriocereus arendtii (Hildmann & Mathsson ex K.Schum.) F.Ritter, Kakteen Südamerika 1: 242. 1979 syn. sec. Franck (2016)

= *Cereus atropurpureus* Hocay, Cactecult: 91. 1916 syn. sec. Franck (2016)

= *Eriocereus pomanensis* var. *uruguayensis* (Osten) Backeb., Cactaceae 4: 2095. 1960 syn. sec. Korotkova (2021) – *Harrisia tortuosa* var. *uruguayensis* Osten in Anales Mus. Hist. Nat. Montevideo, ser. 2, 5(1): 66. 1941, nom. inval. syn. sec. Franck (2016) – *Harrisia tortuosa* subsp. *uruguayensis* (Osten) Lodé in Cact.-Avent. Int. 97: 2. 2012 ["2013"], nom. inval. syn. sec. Kew WCVP (2019)

***Hattiora* Britton & Rose in L.H.Bailey, Standard Cycl. Hort.: 1432. 1915.** Sec. Korotkova & al. (2011)

Type: *Hattiora salicornioides* (Haw.) Britton & Rose

≡ *Hariota* DC., Mém. Cact.: 23. 1834, nom. illeg. syn. sec. Britton & Rose (1923)

Notes. – The circumscription of *Hatiota* has been clarified. *Hatiota* including *Rhipsalidopsis* as adopted by Barthlott (1987), Barthlott & Hunt (1993), Barthlott & Taylor (1995), Hunt (2006) and Nyffeler & Egli (2010) was found to be polyphyletic (Calvente & al. 2011a; Korotkova & al. 2011). *Hatiota* should therefore be restricted to species with cylindrical stems, terete pericarpels, and small yellow-orange or magenta flowers, corresponding to *Hatiota* in the traditional sense. Accordingly, *Rhipsalidopsis* in its traditional circumscription should again be accepted at generic rank. [Hernández-Ledesma & al. (2015)]

***Hatiota herminiae* (Porto & A.Cast.) Backeb. ex Barthlott in Bradleya 5: 100. 1987.** Sec. Korotkova & al. (2011)

≡ *Hariota herminiae* Porto & A.Cast. in Rodriguésia 5: 353. 1941 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis herminiae* (Porto & A.Cast.) Kimmach in Cact. Succ. J. (Los Angeles) 68(3): 156. 1996 syn. sec. IPNI – *Hatiota herminiae* (Porto & A.Cast.) Backeb., Cactaceae 2: 710. 1959, nom. inval.

***Hatiota salicornioides* (Haw.) Britton & Rose, Stand. Cycl. Hort. Bailey 3: 1433. 1915.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis salicornioides* Haw., Suppl. Pl. Succ.: 83. 1819 syn. sec. Barthlott & Taylor (1995) ≡ *Cactus salicornioides* (Haw.) Link & Otto, Icon. Pl. Select.: 49. 1822 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota salicornioides* (Haw.) DC., Mém. Cact.: 23. 1834 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota salicornioides* (Haw.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)

= *Cactus lyratus* Vell., Fl. Flumin.: 205. 1829 syn. sec. Barthlott & Taylor (1995)

= *Cactus trichotomus* Tenore ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Kew WCVP (2019)

= *Rhipsalis salicornioides* var. *gracilior* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 462. 1846 ≡ *Hariota salicornioides* f. *gracilior* (Salm-Dyck ex C.F.Först.) A.Cast. in Anais Reunião Sul-Amer. Bot.: 3. 1940 ["1938"]

= *Rhipsalis salicornioides* var. *strictior* C.F.Först., Handb. Cacteenk.: 462. 1846 syn. sec. IPNI ≡ *Hariota salicornioides* f. *strictior* (C.F.Först.) A.Cast. in Anais Reunião Sul-Amer. Bot.: 3. 1940 ["1938"]

= *Rhipsalis lagenaria* Vöcht. in Jahrb. Wiss. Bot. Leipzig 9: 422. 1873 syn. sec. Barthlott & Taylor (1995)

= *Hariota villigera* K.Schum., Fl. Bras. 4(2): 265. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis villigera* (K.Schum.)

Orcutt in W. Amer. Sci. 13: 63. 1902 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis salicornioides* var. *villigera* (K.Schum.) Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 85. 1915 ≡ *Hariota salicornioides* f. *villigera* (K.Schum.) A.Cast. in Anais Reunião Sul-Amer. Bot.: 3. 1940 ["1938"] ≡ *Hatiota salicornioides* var. *villigera* (K.Schum.) Backeb., Cactaceae 2: 708. 1959 syn. sec. IPNI ≡ *Hatiota salicornioides* f. *villigera* (K.Schum.) Süpplie, Rhipsalidinae: 66. 1990 syn. sec. IPNI

= *Hariota stricta* K.Schum. in Monatsschr. Kakteenk. 5: 22. 1895 syn. sec. Britton & Rose (1923)

= *Hariota gracilis* F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. Britton & Rose (1923) ≡ *Rhipsalis gracilis* F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis salicornioides* var. *gracilis* F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. IPNI – *Hatiota salicornioides* f. *gracilis* (F.A.C.Weber) Süpplie, Rhipsalidinae: 66. 1990, nom. inval. syn. sec. Anderson (2005)

= *Rhipsalis stricta* Cels ex F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 ≡ *Rhipsalis salicornioides* var. *stricta* F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. IPNI ≡ ?*Hatiota salicornioides* var. *stricta* (Cels ex F.A.C.Weber) Backeb., Cactaceae 2: 708. 1959 – *Hatiota salicornioides* f. *stricta* (Cels ex F.A.C.Weber) Süpplie, Rhipsalidinae: 66. 1990, nom. inval. syn. sec. Anderson (2005)

= *Hariota salicornioides* var. *gracilior* Gürke, Blüh. Kakteen 8: t. 95. 1907

= *Hariota salicornioides* var. *strictior* Gürke, Blüh. Kakteen 8: t. 95. 1907

= *Rhipsalis schottmuelleri* Hort. ex Schelle, Handb. Kakteenkult.: 227. 1907 syn. sec. Barthlott & Taylor (1995)

= *Hatiota saluginoides* Britton & Rose syn. sec. TPL (2013)

– *Hariota gracilis* F.A.C.Weber, Dict. Hort. 2: 1048. 1898 syn. sec. TPL (2013) [is misspelling for *Hariota gracilis* F.A.C.Weber]

***Hatiota salicornioides* f. *cylindrica* (Britton & Rose) Süpplie, Rhipsalidinae: 65. 1990.** Sec. Korotkova & al. (2011)

≡ *Hatiota cylindrica* Britton & Rose, Cactaceae 4: 219. 1923 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis cylindrica* (Britton & Rose) Vaupel, Kakteen 1: 39. 1925 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota cylindrica* (Britton & Rose) A.Berger, Kakteen: 96. 1929 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis salicornioides* var. *cylindrica* (Britton & Rose) Kimmach in Cact. Succ. J. (Los Angeles) 68: 156. 1996 syn. sec. Korotkova (2021)

= *Rhipsalis salicornioides* var. *bambusoides* F.A.C.Weber in Rev. Hort. (Paris) 64: 429. 1892 syn. sec. IPNI ≡ *Hariota bambusoides* (F.A.C.Weber) F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis bambusoides* F.A.C.Weber in Bois, Dict. Hort.: 1048. 1898 syn. sec. Barthlott & Taylor (1995) ≡ *Hatiota bambusoides* (F.A.C.Weber) Britton & Rose, Cactaceae 4: 218. 1923 syn. sec. Barthlott & Taylor (1995) ≡ *Hatiota salicornioides* f. *bambusoides* (F.A.C.Weber) Süpplie in Repert. Pl. Succ. 41: 8. 1990 syn. sec. IPNI

= *Rhipsalis bambusoides* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 41. 1918 syn. sec. Barthlott & Taylor (1995)

***Hatiota salicornioides* f. *salicornioides*.** Sec. Korotkova & al. (2011)

***Homalocephala* Britton & Rose, Cactaceae 3: 181. 1922.** Sec. Vargas-Luna & al. (2018)

Type: *Homalocephala texensis* (Hopffer) Britton & Rose

***Homalocephala parryi* (Engelm.) Vargas & Bárcenas in PhytoKeys 111: 49. 2018.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus parryi* Engelm. in Proc. Amer. Acad. Arts 3: 276. 1856 syn. sec. Vargas-Luna & al. (2018) ≡ *Emorycactus parryi* (Engelm.) Doweld in Succulenta (Netherlands) 75: 270. 1996 syn. sec. Kew WCVP (2019)

***Homalocephala polycephala* (Engelm. & J.M.Bigelow) Vargas & Bárcenas in PhytoKeys 111: 49. 2018.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus polycephalus* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4: 31. 1857 syn. sec. Vargas-Luna & al. (2018) ≡ *Emorycactus polycephalus* (Engelm. & J.M.Bigelow) Doweld in Succulenta (Netherlands) 75: 270. 1996 syn. sec. Kew WCVP (2019) ≡ *Echinocactus polycephalus* var. *polycephalus* syn. sec. Vargas-Luna & al. (2018)
= *Echinocactus polycephalus* var. *flavispinus* F.Haage in Monatsschr. Kakteenk. 9: 43. 1899 syn. sec. WFO 2019

***Homalocephala polycephala* subsp. *polycephala*.** Sec. Vargas-Luna & al. (2018)

***Homalocephala polycephala* subsp. *xeranthemoides* (J.M.Coult.) Vargas & Bárcenas in PhytoKeys 111: 49. 2018.** Sec. Vargas-Luna & al. (2018)

≡ *Echinocactus polycephalus* var. *xeranthemoides* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 358. 1896 ≡ *Echinocactus xeranthemoides* (J.M.Coult.) Engelm., Fl. Rocky Mts.: 579. 1917 syn. sec. Kew WCVP (2019) ≡ *Emorycactus xeranthemoides* (J.M.Coult.) Doweld in Succulenta (Netherlands) 75: 270. 1996 syn. sec. Kew WCVP (2019) ≡ *Echinocactus polycephalus* subsp. *xeranthemoides* (J.M.Coult.) N.P.Taylor in Cactaceae Consensus Init. 5: 12. 1998 syn. sec. Vargas-Luna & al. (2018) – *Echinocactus xeranthemoides* (J.M.Coult.) Engelm. ex K.Schum., Gesamtbeschr. Kakt.: 452. 1898, nom. inval. syn. sec. Vargas-Luna & al. (2018)

***Homalocephala texensis* (Hopffer) Britton & Rose, Cactaceae 3: 181. 1922.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus texensis* Hopffer in Allg. Gartenzeitung 10(38): 297–298. 1842 syn. sec. Vargas-Luna & al. (2018)
= *Echinocactus lindheimeri* Engelm. & A.Gray in Boston J. Nat. Hist. 5: 246. 1845 syn. sec. Britton & Rose (1922)
= *Echinocactus platycephalus* Muehlenpf. in Allg. Gartenzeitung 16: 9. 1848 syn. sec. Britton & Rose (1922)
= *Echinocactus courantianus* Lem. ex Labour., Monogr. Cact.: 196. 1853 syn. sec. Britton & Rose (1922)
= *Echinocactus texensis* var. *gourgensii* Cels ex Labour., Monogr. Cact.: 196. 1853 syn. sec. Britton & Rose (1922) ≡ *Homalocephala texensis* var. *gourgensii* (Cels ex Labour.) Y.Itô, Cacti, ed. 2: 108. 1952 syn. sec. Korotkova (2021)
= *Echinocactus texensis* var. *longispinus* Schelle, Handb. Kakteenkult.: 161. 1907 syn. sec. Britton & Rose (1922)

***Isolatocereus* Backeb. in Cactaceae (Berlin) 1941(2): 47, 76. 1942.** Sec. Arias & Aquino (2019)

Type: *Isolatocereus dumortieri* (Scheidw.) Backeb.

Notes. – *Isolatocereus* is recognized here as a monotypic genus. It belongs to Echinocereae, based on molecular evidence (Hernández-Hernández & al. 2011) and because it shares the three characters of the group (tannins in the funicles, seeds with striated microrelief, triterpenes in the stem). It shares with *Stenocereus* the presence of silica bodies in the stem, however, phylogenetic studies carried out with cpDNA markers reveal that it is closer to *Myrtillocactus* and *Escontria*. [Arias (2021)]

***Isolatocereus dumortieri* (Scheidw.) Backeb. in Cactaceae (Berlin) 1941(2): 47. 1942.** Sec. Hunt (2006)

≡ *Cereus dumortieri* Scheidw. in Hort. Belge 4: 220. 1837 syn. sec. Hunt (2006) ≡ *Lemaireocereus dumortieri* (Scheidw.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 425. 1909 syn. sec. Tropicos ≡ *Stenocereus dumortieri* (Scheidw.) Buxb. in Bot. Stud. 12: 92. 1961 syn. sec. Hunt (2016) ≡ *Rathbunia dumortieri* (Scheidw.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Hunt (2006)
= ?*Cereus anisacanthus* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828 syn. sec. Britton & Rose (1920)

***Jasminocereus* Britton & Rose, Cactaceae 2: 146. 1920.** Sec. Hunt (2006)

Type: *Jasminocereus thouarsii* (F.A.C.Weber) Backeb.

***Jasminocereus thouarsii* (F.A.C.Weber) Backeb., Cactaceae 2: 912. 1959.** Sec. Hunt (2006)

≡ *Cereus thouarsii* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 5: 312. 1899 syn. sec. Hunt (2006) ≡ *Brachycereus thouarsii* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 120. 1920 syn. sec. Hunt (2006) ≡ *Jasminocereus thouarsii* var. *thouarsii* syn. sec. Hunt (2006)
= *Cereus galapagensis* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 5: 312. 1899 syn. sec. Hunt (2006) ≡ *Jasminocereus galapagensis* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 146. 1920 syn. sec. Hunt (2006)
= *Cereus sclerocarpus* K.Schum. ex B.L.Rob. in Proc. Amer. Acad. Arts 38: 179. 1903 syn. sec. Britton & Rose (1920) ≡ *Jasminocereus sclerocarpus* (K.Schum.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1943–44: 24. 1944 syn. sec. Hunt (2006) ≡ *Jasminocereus thouarsii* var. *sclerocarpus* (K.Schum.) E.F.Anderson & Walk. in Madroño 20: 256. 1970 syn. sec. Hunt (2006)
= *Jasminocereus howellii* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 71. 1962 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Jasminocereus thouarsii* subsp. *howellii* (E.Y.Dawson) Guiggi in Cactology 5 (Suppl. 8): 12. 2020
= *Jasminocereus howellii* var. *delicatus* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 72. 1962 syn. sec. Hunt (2006) ≡ *Jasminocereus thouarsii* var. *delicatus* (E.Y.Dawson) E.F.Anderson & Walk. in Madroño 20: 256. 1970 syn. sec. Hunt (2006)
= *Jasminocereus thouarsii* var. *chathamensis* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 73. 1962 syn. sec. Kew WCVP (2019)

***Kadenicarpus* Doweld in Sukkulenty 1: 22. 1998.** Sec. Vázquez-Sánchez & al. (2019)

Type: *Kadenicarpus pseudomacrolele* (Backeb.) Doweld

= *Bravocactus* Doweld in Sukkulenty 1: 22. 1998 syn. sec. Vázquez-Sánchez & al. (2019). Type: *Bravocactus horripilus* (Lem.) Doweld
= *Turbinacarpus* subg. *Kadenicarpus* (Doweld) D.Donati, Revis. Tasson. Gen. Turbinacarpus: 21. 2003 syn. sec. Vázquez-Sánchez & al. (2019)

= *Turbinacarpus pseudomacrochele* var. *sphacellatus* Diers & Gerhart Frank in Kakteen And. Sukk. 44: 160-161. 1993 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Kadenicarpus pseudomacrochele* var. *sphacellatus* (Diers & Gerhart Frank) Doweld in Sukkulenty 1: 22. 1998 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Kadenicarpus pseudomacrochele* var. *sphacellatus* (Diers & Gerhart Frank) Doweld in Sukkulenty 1(1): 22. 1998 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Pediocactus pseudomacrochele* var. *sphacellatus* (Diers & Gerhart Frank) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Pediocactus pseudomacrochele* var. *sphacellatus* (Diers & Gerhart Frank) Halda syn. sec. Vázquez-Sánchez & al. (2019)

***Kadenicarpus pseudomacrochele* subsp. *lausseri* (Diers & Gerhart Frank) Doweld in Sukkulenty 3: 37. 2000, nom. inval.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus pseudomacrochele* var. *lausseri* Diers & Gerhart Frank in Kakteen And. Sukk. 42(5): 108. 1991 syn. sec. Aquino (2021) ≡ *Turbinacarpus pseudomacrochele* subsp. *lausseri* (Diers & Gerhart Frank) Glass, Guía Identific. Cactá. Amenazadas México: Tu/pseudom ssp. *lausseri*. 1997 syn. sec. Aquino (2021) – *Kadenicarpus pseudomacrochele* var. *lausseri* (Diers & Gerhart Frank) Doweld in Sukkulenty 1(1): 22. 1998, nom. inval. syn. sec. Aquino (2021) – *Pediocactus pseudomacrochele* var. *lausseri* (Diers & Gerhart Frank) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998, nom. inval. syn. sec. Aquino (2021) – *Turbinacarpus pseudomacrochele* f. *lausseri* (Diers & Gerhart Frank) Panar. in Piante Grasse 18: 120. 1999 ["1998"], nom. inval. syn. sec. Aquino (2021) – *Turbinacarpus krainzianus* f. *lausseri* (Diers & Gerhart Frank) D. Donati, Revis. Tasson. Gen. Turbinacarpus: 21. 2003, nom. inval. syn. sec. Aquino (2021)

***Kadenicarpus pseudomacrochele* subsp. *minimus* (G.Frank) Vázquez-Sánchez in Bot. J. Linn. Soc. 190: 416. 2019.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus krainzianus* f. *minimus* G.Frank in Succulenta (Netherlands) 68(12): 272. 1989 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Turbinacarpus krainzianus* var. *minimus* (G.Frank) Diers in Succulenta (Netherlands) 69: 269. 1990 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Turbinacarpus pseudomacrochele* f. *minimus* (G.Frank) Zachar, Rod Turbinacarpus: 69. 1996 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Turbinacarpus krainzianus* subsp. *minimus* (G.Frank) Lüthy & A. Hofer in Kakteen And. Sukk. 51: 70. 2000 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Turbinacarpus pseudomacrochele* subsp. *minimus* (G.Frank) Lüthy & A. Hofer in Cactaceae Syst. Init. 14: 20. 2002 syn. sec. Vázquez-Sánchez & al. (2019)

***Kadenicarpus pseudomacrochele* subsp. *pseudomacrochele*.** Sec. Vázquez-Sánchez & al. (2019)

***Kinnachia* S.Arias & N.Korotkova in Phytotaxa 327(1): 30. 2017.** Sec. Korotkova & al. (2017)

Type: *Kinnachia ramulosa* (Salm-Dyck) S.Arias & N.Korotkova

Notes. – In their phylogenetic study of the Hylocereeae, Korotkova et al. (2017) found *Pseudorhipsalis ramulosa* outside the *Pseudorhipsalis* clade with high confidence and have therefore proposed to establish a new monotypic genus *Kinnachia* for *P. ramulosa*. [Korotkova (2021)]

***Kinnachia ramulosa* (Salm-Dyck) S.Arias & N.Korotkova in Phytotaxa 327(1): 30. 2017.** Sec. Korotkova & al. (2017)

≡ *Cereus ramulosus* Salm-Dyck, Hort. Dyck.: 340. 1834 syn. sec. Korotkova & al. (2017)

***Kinnachia ramulosa* subsp. *jamaicensis* (Britton & Harris) S.Arias & N.Korotkova in Phytotaxa 327(1): 31. 2017.** Sec. Korotkova & al. (2017)

≡ *Rhipsalis jamaicensis* Britton & Harris in Torreya 9: 159. 1909 syn. sec. Korotkova & al. (2017) ≡ *Pseudorhipsalis ramulosa* subsp. *jamaicensis* (Britton & Harris) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017) ≡ *Disocactus ramulosus* var. *jamaicensis* (Britton & Harris) Kinnach in Haseltonia 1: 129 syn. sec. Korotkova & al. (2017)

***Kinnachia ramulosa* subsp. *ramulosa*.** Sec. Korotkova & al. (2017)

= *Epiphyllum ciliare* Pfeiff., Enum. Diagn. Cact.: 130. 1837 syn. sec. Pfeiffer (1837)

= *Epiphyllum ciliatum* Pfeiff., Enum. Diagn. Cact.: 130. 1837 syn. sec. Pfeiffer (1837)

= *Rhipsalis coriacea* Pol. in Linnaea 41: 562. 1877 syn. sec. Korotkova & al. (2017) ≡ *Hariota coriacea* (Pol.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Korotkova & al. (2017)

= *Rhipsalis purpusii* Weing. in Monatsschr. Kakteenk. 28: 78. 1918 syn. sec. Korotkova & al. (2017)

= *Rhipsalis leiophloea* Vaupel in Z. Sukkulentenk. 1: 20. 1923 syn. sec. Korotkova & al. (2017)

= *Disocactus ramulosus* var. *ramosissimus* Kinnach in Cact. Succ. J. (Los Angeles) 59(2): 67. 1987 syn. sec. Korotkova & al. (2017) – *Disocactus ramulosus* var. *ramosissima* Kinnach in Cact. Succ. J. (Los Angeles) 59(2): 67. 1987 syn. sec. Korotkova (2021) [is orthographic variant for *Disocactus ramulosus* var. *ramosissimus* Kinnach]

***Kinnachia ramulosa* f. *angustissima* (F.A.C.Weber) S.Arias & N.Korotkova in Phytotaxa 327(1): 31. 2017.** Sec. Korotkova & al. (2017)

≡ *Rhipsalis angustissima* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 465. 1902 syn. sec. Korotkova & al. (2017) ≡

Disocactus ramulosus var. *angustissimus* (F.A.C.Weber) Kinnach in Cact. Succ. J. (Los Angeles) 59(2): 67. 1987 syn. sec.

Korotkova & al. (2017) ≡ *Pseudorhipsalis ramulosa* f. *angustissima* (F.A.C.Weber) Barthlott in Bradleya 9: 90. 1991 syn. sec.

Korotkova & al. (2017) ≡ *Disocactus ramulosus* f. *angustissimus* (F.A.C.Weber) Kinnach in Haseltonia 1: 127 syn. sec.

Korotkova & al. (2017)

***Kinnachia ramulosa* f. *ramulosa*.** Sec. Korotkova & al. (2017)

***Kroenleinia* Lodé in Cact.-Avent. Int. 102: 25. 2014.** Sec. Vargas-Luna & al. (2018)

Type: *Kroenleinia grusonii* (Hildm.) Lodé

Notes. – **Phylogenetics:** Vargas-Luna & al. (2018) showed that *Echinocactus grusonii* was most closely related to *Ferocactus* and not to *Echinocactus*. Thus, the species clearly does not belong in *Echinocactus*. Those authors state that perhaps the close relationship to *Ferocactus* should be further explored with morphological data, so it possible that *Kroenleinia grusonii* is best circumscribed within *Ferocactus* (Vargas-Luna & al. (2018). However, for now given the phylogenetic topology, the recognition of *Kroenleinia* seems to be warranted. See also notes under *Echinocactus*. [Majure (2021)]

***Kroenleinia grusonii* (Hildm.) Lodé in Cact.-Avent. Int. 102: 25, 27. 2014.** Sec. Vargas-Luna & al. (2018)

≡ *Echinocactus grusonii* Hildm. in Monatsschr. Kakteenk. 1: 4. 1891 syn. sec. Vargas-Luna & al. (2018) ≡ *Echinocereus grusonii* (Hildm.) Von Zeisold in Monatsschr. Kakteenk. 3: 141. 1893 syn. sec. Vargas-Luna & al. (2018)

= *Echinocactus corynacanthus* Scheidw. in Allg. Gartenzeitung 9: 50. 1841 syn. sec. Kew WCVP (2019)

= *Echinocactus galeottii* Scheidw. in Allg. Gartenzeitung 9: 50. 1841 syn. sec. Kew WCVP (2019)

= *Echinocereus grusonii* var. *azureus* Von Zeisold in Monatsschr. Kakteenk. 3: 141. 1893 syn. sec. Britton & Rose (1922)

***Lasiocereus* F.Ritter, Kakteen Südamerika 4: 1477. 1981.** Sec. Hunt (2006)

Type: *Lasiocereus rupicola* F.Ritter

***Lasiocereus fulvus* F.Ritter, Kakteen Südamerika 4: 1479. 1981.** Sec. Hunt (2006)

***Lasiocereus rupicola* F.Ritter, Kakteen Südamerika 4: 1478. 1981.** Sec. Hunt (2006)

***Lemaireocereus* Britton & Rose in Contr. U.S. Natl. Herb. 12: 424. 1909.** Sec. Arias & al. (2012)

Type: *Lemaireocereus hollianus* (F.A.C.Weber ex J.M.Coult.) Britton & Rose

≡ *Pachycereus* subg. *Lemaireocereus* (Britton & Rose) Bravo in Cact. Suc. Mex. 17: 119. 1972 syn. sec. Arias & al. (2012)

≡ *Pachycereus* sect. *Lemaireocereus* (Britton & Rose) P.V.Heath in Calyx 2: 106. 1992 syn. sec. Arias & al. (2012)

= *Anisocereus* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938 syn. sec. Arias & al. (2012). Lectotype: *Anisocereus lepidanthus* (Eichlam) Backeb.

Notes. – **Phylogenetics:** In the second half of the twentieth century, *Lemaireocereus* was referred to as synonym of *Pachycereus* (see there) by Buxbaum (1961), Bravo-Hollis (1978), and Gibson & Horak (1978), based on similar floral morphology.

Phylogenies based on molecular (Arias & al. 2003) and structural data (Arias & Terrazas 2006) consistently have revealed that *Lemaireocereus* is an early diversified lineage within *Pachycereinae*. *Lemaireocereus* should be restricted to species with rounded ribs, terminal flowers with long hairs and bristles, fruit with irregular dehiscence, and red pulp (Arias & Terrazas 2009; Arias & al. 2012). [Hernández-Ledesma & al. (2015)]

***Lemaireocereus hollianus* (F.A.C.Weber ex J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 425. 1909.** Sec. Arias & al. (2012)

≡ *Cereus hollianus* F.A.C.Weber ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 411. 1896 syn. sec. Arias & al. (2012) ≡

Pachycereus hollianus (F.A.C.Weber ex J.M.Coult.) Buxb. in Bot. Stud. 12: 99. 1961 syn. sec. Arias & al. (2012)

= *Cereus bivosus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 84. 1897 syn. sec. Tropicos ≡ *Lemaireocereus bivosus* (F.A.C.Weber ex K.Schum.) Backeb., Cactaceae 4: 2136. 1960 syn. sec. Tropicos

= *Pachycereus hollianus* f. *cristatus* P.V.Heath in Calyx 2: 106. 1992 syn. sec. Kew WCVP (2019)

***Lemaireocereus lepidanthus* (Eichlam) S.Arias & Terrazas in Syst. Bot. 34(1): 82. 2009.** Sec. Arias & al. (2012)

≡ *Cereus lepidanthus* Eichlam in Monatsschr. Kakteenk. 19: 177. 1909 syn. sec. Arias & al. (2012) ≡ *Pachycereus lepidanthus* (Eichlam) Britton & Rose, Cactaceae 2: 76. 1920 syn. sec. Arias & al. (2012) ≡ *Anisocereus lepidanthus* (Eichlam) Backeb. in

Cactaceae (Berlin) 1941(3): 47. 1942 syn. sec. Arias & al. (2012) ≡ *Escontria lepidantha* (Eichlam) Buxb. in Bot. Stud. 12: 45. 1961 syn. sec. Arias & al. (2012)

***Leocereus* Britton & Rose, Cactaceae 2: 108. 1920.** Sec. Taylor & Zappi (2004)

Type: *Leocereus bahiensis* Britton & Rose

Notes. – Monotypic genus from Eastern Brazil. Sampled by Schlumpberger & Renner 2012 and found highly supported as sister to *Facheiroa ulei*. Both genera used to be included in the *Trichocereae*, but their exact affinities were unclear (Taylor & Zappi 2004). Schlumpberger & Renner (2012) found *Leocereus* and *Facheiroa* outside the *Trichocereae* and within a clade containing *Stetsonia*, *Cereus*, *Praecereus*, *Micranthocereus*, and other genera. [Korotkova & al. (2021)]

***Leocereus bahiensis* Britton & Rose, Cactaceae 2: 108. 1920.** Sec. Taylor & Zappi (2004)

≡ *Cereus bahiensis* (Britton & Rose) Luetzelb. in Estud. Bot. Nordeste 3: 111. 1926 syn. sec. Taylor & Zappi (2004)

= *Leocereus urandianus* F.Ritter, Kakteen Südamerika 1: 222. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus bahiensis* var. *urandianus* (F.Ritter) P.J.Braun & Esteves in Kakteen And. Sukk. 41(9): 205. 1990 syn. sec. Taylor & Zappi (2004) ≡

Leocereus bahiensis subsp. *urandianus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 132. 1995 syn. sec. Taylor & Zappi (2004)

= *Leocereus bahiensis* var. *barreirensis* P.J.Braun & Esteves in Kakteen And. Sukk. 41: 205. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus bahiensis* subsp. *barreirensis* (P.J.Braun & Esteves) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 132. 1995 syn. sec. Taylor & Zappi (2004)

= *Leocereus bahiensis* var. *exiguospinus* P.J.Braun & Esteves in Kakteen And. Sukk. 41: 205. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus bahiensis* subsp. *exiguospinus* (P.J.Braun & Esteves) Braun & Esteves in Succulentas (France) 74(3): 132. 1995 syn. sec. Taylor & Zappi (2004)

- = *Leocereus bahiensis* var. *robustispinus* P.J.Braun & Esteves in Kakteen And. Sukk. 41: 205. 1990 syn. sec. Taylor & Zappi (2004) ≡ *Leocereus bahiensis* subsp. *robustispinus* (P.J.Braun & Esteves) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 132. 1995 syn. sec. Taylor & Zappi (2004)
- = *Leocereus estevesii* P.J.Braun in Kakteen And. Sukk. 41: 204. 1990 syn. sec. Taylor & Zappi (2004)

***Lepismium* Pfeiff. in Allg. Gartenzeitung 3: 315. 1835. Sec. Korotkova & al. (2011)**

Type: *Lepismium commune* Pfeiff.

- = *Nothorhopsalis* Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Hunt (2006). Type: *Nothorhopsalis houlettiana* (Lem.) Doweld
- = *Ophiorhopsalis* (K.Schum.) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. Hunt (2006). Type: *Ophiorhopsalis lumbricoides* (Lem.) Doweld

Notes. – Several considerably different generic concepts have been suggested for *Lepismium* in the past 80 years. It was either recognized as monotypic for *L. cruciforme* (Vell.) Miq., e.g. by Britton & Rose (1923) or included into *Rhopsalis* (Schumann 1899; Vaupel 1925, 1926). Barthlott (1987) and Barthlott & Taylor (1995) redefined *Lepismium* based on the mesotonic branching as main diagnostic character, but this circumscription was found to be polyphyletic by Nyffeler (2002) and Korotkova & al. (2010). Consequently, some of its species were transferred to *Lymanbensonia* and *Pfeiffera* by Korotkova & al. (2010). [Hernández-Ledesma & al. (2015)]

***Lepismium cruciforme* (Vell.) Miq. in Bull. Sci. Phys. Nat. Néerl.: 49. 1838. Sec. Korotkova & al. (2011)**

- ≡ *Cactus cruciformis* Vell., Fl. Flumin.: 207. 1829, nom. cons. prop. syn. sec. Barthlott & Taylor (1995) ≡ *Cereus tenuispinus* Haw. in Philos. Mag. J. 1: 125. 1827, nom. rej. prop. syn. sec. Taylor (1994) ≡ *Cereus squamulosus* Salm-Dyck ex DC., Prodr. 3: 469. 1828, nom. rej. prop. syn. sec. Taylor (1994) ≡ *Cereus tenuis* DC., Prodr. 3: 469. 1828, nom. rej. prop. syn. sec. Taylor (1994) ≡ *Hariota cruciformis* Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis cruciformis* (Vell.) A.Cast. in Anales Mus. Nac. Hist. Nat. Buenos Aires 32: 496. 1925 syn. sec. Barthlott & Taylor (1995)
- = *Cereus myosurus* Salm-Dyck ex DC., Prodr. 3: 469. 1828 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium myosurus* (Salm-Dyck ex DC.) Pfeiff., Enum. Diagn. Cact.: 139. 1837 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium cruciforme* var. *myosurus* (Salm-Dyck ex DC.) Backeb., Cactaceae 2: 688. 1959 syn. sec. Korotkova (2021) ≡ *Lepismium cruciforme* f. *myosurus* (Salm-Dyck ex DC.) Supplie in Repert. Pl. Succ. 41: 9. 1990 syn. sec. Barthlott & Taylor (1995)
- = *Lepismium commune* Pfeiff. in Allg. Gartenzeitung 3: 315. 1835 syn. sec. Britton & Rose (1923)
- = *Lepismium knightii* Pfeiff. in Allg. Gartenzeitung 3: 380. 1835 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis knightii* (Pfeiff.) C.F.Först., Handb. Cacteenk.: 456. 1846 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota knightii* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium cruciforme* var. *knightii* (Pfeiff.) Boom in Succulenta (Netherlands) 1959: 142. 1959 syn. sec. Korotkova (2021)
- = *Lepismium tenue* Pfeiff. in Allg. Gartenzeitung 3: 315. 1835 syn. sec. Barthlott & Taylor (1995)
- = *Cereus elegans* Pfeiff., Enum. Diagn. Cact.: 138. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus knightii* Parm. ex Pfeiff., Enum. Diagn. Cact.: 139. 1837 syn. sec. Kew WCVP (2019)
- = *Lepismium duprei* C.F.Först., Handb. Cacteenk.: 456. 1846 syn. sec. Britton & Rose (1923)
- = *Rhopsalis mitleri* C.F.Först., Handb. Cacteenk.: 455. 1846 syn. sec. Barthlott & Taylor (1995)
- = *Rhopsalis myosurus* C.F.Först., Handb. Cacteenk.: 455. 1846 syn. sec. Britton & Rose (1923)
- = *Lepismium ramosissimum* Lem. in Ill. Hort. 11(Misc.): 73. 1864 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis ramosissima* (Lem.) K.Schum., Fl. Bras. 4(2): 299. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota ramosissima* (Lem.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
- = *Lepismium radicans* Vöcht. in Jahrb. Wiss. Bot. Leipzig 9: 399. 1873 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis radicans* F.A.C.Weber in Bois, Dict. Hort.: 1047. 1898 syn. sec. Barthlott & Taylor (1995)
- = *Lepismium cavernosum* G.Lindb. in Gartenflora 39: 151, 153 fig. 38. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis cavernosa* G.Lindb. ex K.Schum., Fl. Bras. 4(2): 289. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium cruciforme* var. *cavernosum* (G.Lindb.) Backeb., Cactaceae 2: 689. 1959 syn. sec. Korotkova (2021)
- = *Rhopsalis macropogon* K.Schum., Fl. Bras. 4(2): 282. 1890 syn. sec. Barthlott & Taylor (1995)
- = *Rhopsalis myosurus* K.Schum., Fl. Bras. 4(2): 281. 1890
- = *Rhopsalis squamulosa* K.Schum., Fl. Bras. 4(2): 280. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota squamulosa* (K.Schum.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
- = *Hariota knightii* var. *tenuispinis* Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Britton & Rose (1923)
- = *Rhopsalis anceps* F.A.C.Weber in Rev. Hort. (Paris) 64: 427. 1892 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium anceps* (F.A.C.Weber) Borg, Cacti, ed. 1: 368. 1937 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium cruciforme* var. *anceps* (F.A.C.Weber) Backeb., Cactaceae 2: 689. 1959 syn. sec. Korotkova (2021) ≡ *Lepismium cruciforme* f. *anceps* (F.A.C.Weber) Supplie in Repert. Pl. Succ. 41: 9. 1990 syn. sec. Barthlott & Taylor (1995)
- = *Rhopsalis brevibarbis* K.Schum., Nat. Pflanzenfam. 3, Abt. 6a: 199. 1894 syn. sec. Barthlott & Taylor (1995)
- = *Rhopsalis ensiformis* F.A.C.Weber in Bois, Dict. Hort.: 1047. 1898
- = *Rhopsalis radicans* var. *anceps* F.A.C.Weber, Dict. Hort. 2: 1047. 1898 syn. sec. Britton & Rose (1923)
- = *Rhopsalis radicans* var. *ensiformis* F.A.C.Weber, Dict. Hort. 2: 1047. 1898 syn. sec. Britton & Rose (1923)
- = *Rhopsalis radicans* var. *rosea* F.A.C.Weber, Dict. Hort. 2: 1047. 1898 syn. sec. Britton & Rose (1923)
- = *Lepismium vollii* Backeb., Kaktus-ABC: 156, 411. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsalis vollii* (Backeb.) Backeb., Cactaceae 2: 688. 1959 syn. sec. Korotkova (2021)
- = ?*Lepismium floribundum* Süpplie, Rhopsalis and Lepismium: 65. 2007

= *Cactus cruciformis* Arrab. ≡ *Cereus cruciformis* (Arrab.) Steud., Nomencl. Bot., ed. 2, 1: 333. 1840 syn. sec. Kew WCVP (2019)

***Lepismium houlettianum* (Lem.) Barthlott in Bradleya 5: 99. 1987.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis houlettiana* Lem. in Ill. Hort. 5: Misc. 64-65. 1858 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota houlettiana* (Lem.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Acanthorhipsalis houlettiana* (Lem.) Volgin in Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 87(3): 83. 1982 syn. sec. Barthlott & Taylor (1995) ≡ *Nothorhipsalis houlettiana* (Lem.) Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Korotkova (2021) – *Hatiota houlettiana* (Lem.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. TPL (2013) [is misspelling for *Hariota houlettiana* (Lem.) Kuntze]
= *Rhipsalis houlettii* Hook.f. in Bot. Mag. 100: t. 6089. 1874 syn. sec. Barthlott & Taylor (1995)

***Lepismium houlettianum* f. *houlettianum*.** Sec. Korotkova & al. (2011)

***Lepismium houlettianum* f. *regnellii* (G.Lindb.) Barthlott & N.P.Taylor in Bradleya 13: 47. 1995.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis regnellii* G.Lindb. in Gartenflora 39: 118. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium houlettianum* var. *regnellii* (G.Lindb.) Barthlott in Bradleya 5: 99. 1987 syn. sec. IPNI ≡ *Rhipsalis houlettiana* var. *regnellii* (G.Lindb.) Kimmach in Cact. Succ. J. (Los Angeles) 68: 156. 1996 syn. sec. Korotkova (2021) ≡ *Nothorhipsalis houlettiana* subsp. *regnellii* (G.Lindb.) Doweld in Sukkulenty 4: 29. 2002 ["2001"] syn. sec. Korotkova (2021)

***Lepismium lorentzianum* (Griseb.) Barthlott in Bradleya 5: 99. 1987.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis lorentziana* Griseb. in Abh. Königl. Ges. Wiss. Göttingen 24: 139-140. 1879 syn. sec. Barthlott (1987) ≡ *Nothorhipsalis lorentziana* (Griseb.) Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Korotkova (2021)

***Lepismium lumbricoides* (Lem.) Barthlott in Bradleya 5: 99. 1987.** Sec. Korotkova & al. (2011)

≡ *Cereus lumbricoides* Lem., Cact. Gen. Sp. Nov.: 60. 1839 syn. sec. Barthlott (1987) ≡ *Rhipsalis lumbricoides* (Lem.) Lem. in Ill. Hort. 6(Misc.): 68. 1859 syn. sec. Barthlott & Taylor (1995) ≡ *Ophiorhipsalis lumbricoides* (Lem.) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. IPNI
= *Hariota lumbricalis* Kuntze, Revis. Gen. Pl. 1: 262. 1891

***Lepismium lumbricoides* f. *aculeatum* (F.A.C.Weber) Barthlott & N.P.Taylor in Bradleya 13: 48. 1995.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis aculeata* F.A.C.Weber in Rev. Hort. (Paris) 64: 428. 1892 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium aculeatum* (F.A.C.Weber) Barthlott in Bradleya 5: 99. 1987 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis lumbricoides* var. *aculeata* (F.A.C.Weber) Kimmach in Cact. Succ. J. (Los Angeles) 68: 156. 1996 syn. sec. Korotkova (2021) ≡ *Ophiorhipsalis lumbricoides* subsp. *aculeata* (F.A.C.Weber) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. IPNI

***Lepismium lumbricoides* f. *lumbricoides*.** Sec. Korotkova & al. (2011)

= *Rhipsalis sarmentacea* Otto & A.Dietr. in Allg. Gartenzeitung 9: 98. 1841 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium sarmentaceum* (Otto & A.Dietr.) Vöcht. in Jahrb. Wiss. Bot. Leipzig 9: 399. 1873 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota sarmentacea* (Otto & A.Dietr.) Kuntze, Revis. Gen. Pl. 3(3): 107. 1898 syn. sec. Barthlott & Taylor (1995)
= *Rhipsalis leucorhaphis* K.Schum. in Monatsschr. Kakteenk. 10: 125. 1900 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis lumbricoides* var. *leucorhaphis* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 247. 1979 syn. sec. Korotkova (2021)
= *Rhipsalis novaesii* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 69. 1915, nom. illeg. syn. sec. Barthlott & Taylor (1995)
= *Rhipsalis loefgrenii* Britton & Rose, Cactaceae 4: 232. 1923 syn. sec. Barthlott & Taylor (1995)
= *Rhipsalis bauchienii* Guillaumin & Poup. in Bull. Mus. Natl. Hist. Nat., sér. 2, 4: 1024. 1932 syn. sec. Barthlott & Taylor (1995)

***Lepismium warmingianum* (K.Schum.) Barthlott in Bradleya 5: 99. 1987.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis warmingiana* K.Schum., Fl. Bras. 4(2): 291. 1890 syn. sec. Barthlott (1987) ≡ *Nothorhipsalis warmingiana* (K.Schum.) Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Korotkova (2021)
= *Rhipsalis linearis* K.Schum., Fl. Bras. 4(2): 296. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium lineare* (K.Schum.) Barthlott in Bradleya 9: 89. 1991 syn. sec. Barthlott & Taylor (1995)
= *Rhipsalis gonocarpa* F.A.C.Weber in Rev. Hort. (Paris) 64: 427. 1892 syn. sec. Barthlott & Taylor (1995)
= *Rhipsalis pterocarpa* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 641. 1898 syn. sec. Britton & Rose (1923)

***Leptocereus* (A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 433. 1909.** Sec. Barrios & al. (2020)

Type: *Leptocereus assurgens* (C.Wright ex Griseb.) Britton & Rose

≡ *Cereus* subg. *Leptocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 79. 1905

= *Dendrocereus* Britton & Rose, Cactaceae 2: 113. 1920 syn. sec. Barrios & al. (2020). Type: *Dendrocereus nudiflorus* (Engelm. ex C.Wright) Britton & Rose

= *Neoabbottia* Britton & Rose in Smithsonian Misc. Collect. 72: 2. 1921 syn. sec. Hunt (2006). Type: *Neoabbottia paniculata* (Lam.) Britton & Rose

Notes. – The phylogenetic relationships in *Leptocereus* and *Dendrocereus* were analysed by Barrios & al. (2020) using 5 plastid markers (*trnL-F*, *trnQ-rps16*, *psbA-trnH*, *petL-psbE*, and *rpl16*) and morphology. They found *Leptocereus* to be paraphyletic with a clade of the two *Dendrocereus* species nested within it and have consequently newly circumscribed *Leptocereus* to include *Dendrocereus*. *Leptocereus* now encompasses 20 species of trees and shrubs, all endemic to the diverse, seasonally dry tropical forest of the Antilles and most diverse on Cuba. [Majure (2021)]

- Leptocereus albellus* (Areces) D.Barrios & S.Arias in Plant Syst. Evol. 306(3): [12]. 2020.** Sec. Barrios & al. (2020)
 ≡ *Leptocereus assurgens* var. *albellus* Areces in Cact. Succ. J. (Los Angeles) 90: 260. 2018 syn. sec. Barrios & al. (2020) ≡
Leptocereus assurgens subsp. *albellus* (Areces) Guiggi in Cactology 5 (Suppl. 9): 2. 2020 – *Leptocereus albellus* (Areces)
 Guiggi in Cactology 5 (Suppl. 8): 5. 2020 [is later isonym of *Leptocereus albellus* (Areces) D.Barrios & S.Arias]
- Leptocereus arboreus* Britton & Rose in Torreyia 12: 15. 1912.** Sec. Barrios & al. (2020)
 ≡ *Cereus arboreus* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 22: 65. 1912
- Leptocereus assurgens* (C.Wright ex Griseb.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 433. 1909.** Sec. Barrios & al. (2020)
 ≡ *Cereus assurgens* C.Wright ex Griseb., Cat. Pl. Cub.: 116. 1866 syn. sec. Hunt (2006)
 = ?*Cereus pellucidus* Pfeiff., Enum. Diagn. Cact.: 108. 1837 syn. sec. Britton & Rose (1920)
- Leptocereus carinatus* Areces in Moscosoa 7: 245. 1993.** Sec. Barrios & al. (2020)
- Leptocereus chrysothyrius* Areces in Cact. Succ. J. (Los Angeles) 90: 263. 2018.** Sec. Areces-Mallea (2018)
 ≡ *Leptocereus assurgens* subsp. *chrysothyrius* (Areces) Guiggi in Cactology 5 (Suppl. 9): 2. 2020
- Leptocereus demissus* Areces in Cact. Succ. J. (Los Angeles) 89: 118. 2017.** Sec. Barrios & al. (2020)
- Leptocereus ekmanii* (Werderm.) F.M.Knuth, Kaktus-ABC: 302. 1936 ["1935"].** Sec. Barrios & al. (2020)
 ≡ *Cereus ekmanii* Werderm. in Repert. Spec. Nov. Regni Veg. 29: 235. 1931 syn. sec. Kew WCVP (2019)
- Leptocereus grantianus* Britton in Cact. Succ. J. (Los Angeles) 5: 469. 1933.** Sec. Barrios & al. (2020)
 ≡ *Neoabbotia grantiana* (Britton) Buxb. in Cact. Succ. J. (Los Angeles) 38: 45. 1966 syn. sec. Hunt (2006)
- Leptocereus leonii* Britton & Rose in Torreyia 12: 15. 1912.** Sec. Hunt (2006)
 ≡ *Cereus leonii* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 22: 66. 1912 syn. sec. Kew WCVP (2019)
- Leptocereus maxonii* Britton & Rose, Cactaceae 2: 80. 1920.** Sec. Barrios & al. (2020)
- Leptocereus nudiflorus* (Engelm. ex C.Wright) D.Barrios & S.Arias in Plant Syst. Evol. 306(3): [12]. 2020.** Sec. Barrios & al. (2020)
 ≡ *Cereus nudiflorus* Engelm. ex C.Wright in Anales Acad. Ci. Med. Habana 6: 98. 1869 syn. sec. Barrios & al. (2020) ≡
Dendrocereus nudiflorus (Engelm. ex C.Wright) Britton & Rose, Cactaceae 2: 113, pl. 14. 1920 syn. sec. Barrios & al. (2020)
 ≡ *Dendrocereus undulosus* subsp. *nudiflorus* (Engelm. ex C.Wright) Guiggi in Cactology 5 (Suppl. 9): 2. 2020
 = *Cereus undiflorus* C.Wright, Fl. Cub.: 59. 1869 syn. sec. Britton & Rose (1923)
- Leptocereus paniculatus* (Lam.) D.R.Hunt in Bradleya 9: 89. 1991.** Sec. Barrios & al. (2020)
 ≡ *Cactus paniculatus* Lam., Encycl. 1(2): 540. 1785 syn. sec. Hunt (2006) ≡ *Cereus paniculatus* (Lam.) DC., Prodr. 3: 466. 1828
 syn. sec. Kew WCVP (2019) ≡ *Neoabbotia paniculata* (Lam.) Britton & Rose in Smithsonian Misc. Collect. 72(9): 3. 1921
 syn. sec. Kew WCVP (2019)
 = *Neoabbotia paniculata* var. *humboldtii* Backeb. in Cact. Succ. J. (Los Angeles) 24: 53. 1955 syn. sec. Kew WCVP (2019)
- Leptocereus prostratus* Britton & Rose, Cactaceae 2: 79. 1920.** Sec. Barrios & al. (2020)
 ≡ *Cereus prostratus* (Britton & Rose) Werderm. in Repert. Spec. Nov. Regni Veg. 29: 236. 1931 syn. sec. Kew WCVP (2019)
- Leptocereus quadricostatus* (Bello) Britton & Rose in Contr. U.S. Natl. Herb. 16: 242. 1913.** Sec. Barrios & al. (2020)
 ≡ *Cereus quadricostatus* Bello in Anales Soc. Esp. Hist. Nat. 10: 276. 1881 syn. sec. Hunt (2006) ≡ *Neoabbotia quadricostata*
 (Bello) Guiggi in Cactology 5 (Suppl. 7): 3. 2020 syn. sec. Majure (2021)
- Leptocereus scopulophilus* Areces in Brittonia 45(3): 227. 1993.** Sec. Barrios & al. (2020)
- Leptocereus sylvestris* Britton & Rose, Cactaceae 2: 81, f. 117–118. 1920.** Sec. Barrios & al. (2020)
 = *Leptocereus santamarinae* Areces in Brittonia 44: 45. 1992 syn. sec. Majure (2021)
- Leptocereus undulosus* (DC.) D.Barrios & Majure in Plant Syst. Evol. 306(3): [12]. 2020.** Sec. Majure & al. (2021)
 ≡ *Cereus undulosus* DC., Prodr. 3: 467. 1828 syn. sec. Majure & al. (2021) ≡ *Dendrocereus undulosus* (DC.) Britton & Rose in J.
 New York Bot. Gard. 26: 220. 1925 syn. sec. Majure & al. (2021) ≡ *Acanthocereus undulosus* (DC.) Croizat in Caldasia 2:
 137. 1943 syn. sec. Majure & al. (2021)
- Leptocereus velozianus* Clase, Y.Encarn., Peguero & Majure in Phytokeys 172: 23. 2021.** Sec. Majure & al. (2021)
- Leptocereus weingartianus* (E.Hartmann) Britton & Rose, Cactaceae 2: 77–78, f. 112. 1920.** Sec. Barrios & al. (2020)
 ≡ *Cereus weingartianus* E.Hartmann in Monatsschr. Kakteenk. 14: 155. 1904 syn. sec. Hunt (2006) ≡ *Cereus weingartianus*
 A.Berger, Kakteen: 124, 338. 1929 syn. sec. Hunt (2006) ≡ *Neoabbotia weingartiana* (E.Hartmann) Guiggi in Cactology 5
 (Suppl. 7): 3. 2020 syn. sec. Majure (2021)
- Leptocereus wrightii* León in Mem. Soc. Cub. Hist. Nat. "Felipe Poey" 14: 136. 1940.** Sec. Barrios & al. (2020)
- Leuchtenbergia* Hook. in Bot. Mag.: t. 4393. 1848.** Sec. Hunt (2006)
 Type: *Leuchtenbergia principis* Hook.
 Notes. – See under *Ferocactus*. [Korotkova & al. (2021)]
- Leuchtenbergia principis* Hook. in Bot. Mag. 74: t. 4393. 1848.** Sec. Vázquez-Sánchez & al. (2013)

***Leucostele* Backeb. in Kakteen And. Sukk. 4(3): 36. 1953. Sec. Hunt (2016)**

Type: *Leucostele rivierei* Backeb.

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Leucostele atacamensis* (Phil.) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012. Sec. Schlumpberger (2012)**

- ≡ *Cereus atacamensis* Phil., Fl. Atacam.: 23. 1860 syn. sec. Schlumpberger (2012) ≡ *Trichocereus atacamensis* (Phil.) W.T.Marshall in Marshall & Bock, Cactaceae: 94. 1941 ≡ *Helianthocereus atacamensis* (Phil.) Backeb., Cactaceae 2: 1315. 1959 ≡ *Echinopsis atacamensis* (Phil.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974
- = *Cereus eriocarpus* Phil. in Anales Mus. Nac., Santiago de Chile 1: 27. 1891 syn. sec. Tropicos
- = *Trichocereus cephalopasacanus* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 169. 1929 syn. sec. Kew WCVP (2019)
- = *Leucostele rivierei* Backeb. in Kakteen And. Sukk. 4(3): 40. 1953 syn. sec. Kew WCVP (2019) ≡ *Trichocereus rivierei* (Backeb.) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 115. 1967 ≡ *Echinopsis rivierei* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 – *Leucostele rivieri* Backeb. in Kakteen And. Sukk. 4(3): 40. 1953 syn. sec. TPL (2013) [is misspelling for *Leucostele rivierei* Backeb.]
- = *Trichocereus eremophilus* F.Ritter, Kakteen Südamerika 2: 559. 1980 syn. sec. Tropicos

Leucostele atacamensis* subsp. *atacamensis***Leucostele atacamensis* subsp. *pasacana* (F.A.C.Weber ex Rümpler) Schlumpb. in Willdenowia 51: 264. 2021. Sec. Kiesling & al. (2014)**

- ≡ *Pilocereus pasacanus* F.A.C.Weber ex Rümpler, Handb. Cacteenk., ed. 2: 678. 1885 syn. sec. Schlumpberger (2021) ≡ *Cereus pasacana* (F.A.C.Weber ex Rümpler) F.A.C.Weber in Monatsschr. Kakteenk. 3: 165. 1893 syn. sec. Schlumpberger (2021) ≡ *Cephalocereus pasacanus* (F.A.C.Weber ex Rümpler) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 182. 1894 syn. sec. Schlumpberger (2021) ≡ *Cephalocereus pasacanus* (F.A.C.Weber ex Rümpler) F.A.C.Weber, Index Kew. 1: 89. 1906 syn. sec. Schlumpberger (2021) ≡ *Trichocereus pasacana* (F.A.C.Weber ex Rümpler) Britton & Rose, Cactaceae 2: 133–134. 1920 syn. sec. Schlumpberger (2021) ≡ *Helianthocereus pasacanus* (F.A.C.Weber ex Rümpler) Backeb., Cactaceae 2: 1314. 1959 syn. sec. Schlumpberger (2021) ≡ *Echinopsis pasacana* (F.A.C.Weber ex Rümpler) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Schlumpberger (2021) ≡ *Trichocereus atacamensis* var. *pasacanus* (F.A.C.Weber ex Rümpler) F.Ritter, Kakteen Südamerika 2: 447. 1980 syn. sec. Schlumpberger (2021) ≡ *Echinopsis atacamensis* subsp. *pasacana* (F.A.C.Weber ex Rümpler) G.Navarro in Lazaroa 17: 54. 1996 syn. sec. Schlumpberger (2021) ≡ *Trichocereus atacamensis* subsp. *pasacanus* (F.A.C.Weber ex Rümpler) Guiggi in Cactology 3: 8. 2012 syn. sec. Schlumpberger (2021)
- = *Echinopsis formosissima* Labour. in Rev. Hort. (Paris) sér. 4, 4: 26. 1855 syn. sec. Kiesling & al. (2014)
- = *Cereus formosissimus* F.A.C.Weber, Dict. Hort.: 471. 1896 syn. sec. Britton & Rose (1923)

***Leucostele bolligeriana* (Mächler & Helmut Walter) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012. Sec. Schlumpberger (2012)**

- ≡ *Echinopsis bolligeriana* Mächler & Helmut Walter in Kakteen And. Sukk. 54(10): 269. 2003 syn. sec. Schlumpberger (2012) ≡ *Trichocereus bolligerianus* (Mächler & Helmut Walter) Albesiano in Haseltonia 17: 18. 2012
- = *Trichocereus chiloensis* var. *conjugens* F.Ritter, Kakteen Südamerika 3: 1109. 1980 syn. sec. Kew WCVP (2019)

***Leucostele chiloensis* (Colla) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012. Sec. Schlumpberger (2012)**

- ≡ *Cactus chiloensis* Colla, Hortus Ripul. App. 2: 342. 1826 syn. sec. Schlumpberger (2012) ≡ *Cereus chiloensis* (Colla) DC., Prodr. 3: 465. 1828 syn. sec. Kew WCVP (2019) ≡ *Echinocereus chiloensis* (Colla) Console & Lem. in Rev. Hort. 36: 173. 1864 syn. sec. Korotkova (2021) ≡ *Trichocereus chiloensis* (Colla) Britton & Rose, Cactaceae 2: 137–139, f. 199–200. 1920 syn. sec. Kew WCVP (2019) ≡ *Echinopsis chiloensis* (Colla) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 – *Cactus chiloensis* Colla ex Steud., Nomencl. Bot., ed. 2, 1: 245. 1840, nom. inval. syn. sec. TPL (2013)
- = *Cereus coquimbanus* DC., Prodr. 3: 465. 1828 syn. sec. Kew WCVP (2019)
- = *Cereus chilensis* Pfeiff., Enum. Diagn. Cact.: 86. 1837 syn. sec. Britton & Rose (1920)
- = *Cereus quintero* Pfeiff., Enum. Diagn. Cact.: 86. 1837 syn. sec. Britton & Rose (1920)
- = *Cereus fulvibarbis* Otto & A.Dietr. in Allg. Gartenzeitung 6: 28. 1838 syn. sec. Kew WCVP (2019) ≡ *Cereus chiloensis* var. *fulvibarbis* (Otto) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 27. 1845 syn. sec. Kew WCVP (2019)
- = *Cereus heteromorphus* Monv., Hort. Universel 1: 221. 1840 syn. sec. Britton & Rose (1920)
- = *Cereus gilvus* Salm-Dyck in Allg. Gartenzeitung 13: 355. 1845 syn. sec. Britton & Rose (1920)
- = *Cereus subuliferus* Salm-Dyck in Allg. Gartenzeitung 13: 354. 1845 syn. sec. Britton & Rose (1920) – *Cereus subulifer* Salm-Dyck in Allg. Gartenzeitung 13: 354. 1845 syn. sec. Schlumpberger (2012) [is orthographic variant for *Cereus subuliferus* Salm-Dyck]
- = *Cereus chiloensis* var. *spiniosior* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 377. 1846 syn. sec. Kew WCVP (2019)
- = *Cereus quisco* J.Rémy ex Gay, Fl. Chilena 3: 19. 1847 syn. sec. Britton & Rose (1920) ≡ *Cereus quisco* Gay, Fl. Chil. 3: 19. 1848 ≡ *Cereus chiloensis* var. *quisco* (J.Rémy) F.A.C.Weber ex Hirscht in Monatsschr. Kakteenk. 8: 110. 1898 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *brevispinulus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 44. 1850 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *flavescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 44. 1850 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *polygonus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 199. 1850 syn. sec. Kew WCVP (2019)
- = *Cereus duledevantii* Lem., Ill. Hort. 5(Misc.): 10. 1858 syn. sec. Britton & Rose (1920)
- = *Cereus elegans* Lem., Ill. Hort. 5(Misc.): 10. 1858 syn. sec. Britton & Rose (1920)
- = *Cereus linnaei* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 165. 1861 syn. sec. Britton & Rose (1920)

- = *Cereus chiloensis* var. *funkianus* K.Schum., Gesamtbeschr. Kakt.: 61. 1897 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *poselgeri* K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *zizkaanus* K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Kew WCVP (2019)
- = *Cereus funkii* K.Schum., Gesamtbeschr. Kakt.: 61. 1897 syn. sec. Britton & Rose (1920)
- = *Cereus chiloensis* var. *acidus* Miers in Monatsschr. Kakteenk. 8: 159. 1898 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *breviflorus* Hirscht in Monatsschr. Kakteenk. 8: 159. 1898 syn. sec. Kew WCVP (2019)
- = *Cereus chiloensis* var. *nigripilis* Hirscht in Monatsschr. Kakteenk. 8: 159. 1898 syn. sec. Kew WCVP (2019)
- = *Trichocereus funkii* A.Berger, Kakteen: 136, 346. 1929 syn. sec. Kew WCVP (2019)
- = *Trichocereus chiloensis* var. *borealis* F.Ritter, Kakteen Südamerika 3: 1109. 1980 syn. sec. Kew WCVP (2019)
- Leucostele chiloensis* subsp. *australis* (F.Ritter) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
- ≡ *Trichocereus chiloensis* var. *australis* F.Ritter, Kakteen Südamerika 3: 1108. 1980 syn. sec. Schlumpberger (2021) ≡ *Trichocereus chiloensis* subsp. *australis* (F.Ritter) Albesiano in Haseltonia 18: 123. 2012 syn. sec. Schlumpberger (2021)
- Leucostele chiloensis* subsp. *chiloensis*.** Sec. Schlumpberger (2021)
- Leucostele chiloensis* subsp. *eburneus* (Phil. ex K.Schum.) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
- ≡ *Eulychnia eburnea* Phil. ex K.Schum., Gesamtbeschr. Kakt.: 59. 1897 syn. sec. Schlumpberger (2021) ≡ *Cereus chiloensis* var. *eburneus* (Phil. ex K.Schum.) K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Schlumpberger (2021) ≡ *Cereus chiloensis* f. *eburneus* (Phil. ex K.Schum.) Schelle, Handb. Kakteenkult.: 63. 1907 syn. sec. Schlumpberger (2021) ≡ *Echinopsis chiloensis* var. *eburnea* (Phil. ex K.Schum.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 syn. sec. Schlumpberger (2021) ≡ *Trichocereus chiloensis* subsp. *eburneus* (Phil. ex K.Schum.) Albesiano in Haseltonia 18: 124. 2012 syn. sec. Schlumpberger (2021)
- Leucostele chiloensis* subsp. *panhoplites* (K.Schum.) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
- ≡ *Cereus chiloensis* var. *panhoplites* K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Schlumpberger (2021) ≡ *Trichocereus chiloensis* subsp. *panhoplites* (K.Schum.) Albesiano in Haseltonia 18: 126. 2012 syn. sec. Schlumpberger (2021)
- Leucostele deserticola* (Werderm.) Schlumpb. in Cactaceae Syst. Init. 28: 29. 2012.** Sec. Schlumpberger (2012)
- ≡ *Cereus deserticola* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 10: 764. 1929 syn. sec. Schlumpberger (2012) ≡ *Trichocereus deserticolus* (Werderm.) Looser in Revista Chilena Hist. Nat 33: 614. 1929 syn. sec. Tropicos ≡ *Trichocereus deserticola* (Werderm.) Backeb., Kaktus-ABC: 202. 1936 ["1935"] syn. sec. Tropicos ≡ *Echinopsis deserticola* (Werderm.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974
- = *Trichocereus fulvilanus* F.Ritter in Kakteen And. Sukk. 10: 165. 1962 ≡ *Echinopsis fulvilana* (F.Ritter) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974 syn. sec. Tropicos ≡ *Echinopsis deserticola* var. *fulvilana* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 86. 1989
- = *Trichocereus serenanus* F.Ritter in Kakteen And. Sukk. 16: 212. 1965 syn. sec. Kew WCVP (2019)
- Leucostele faundezii* (Albesiano) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
- ≡ *Trichocereus faundezii* Albesiano in Haseltonia 18: 128. 2012 syn. sec. Schlumpberger (2021)
- Leucostele litoralis* (Johow) P.C.Guerrero & Helmut Walter in Phytotaxa 392(1): 90. 2019.** Sec. Guerrero & Walter (2019)
- ≡ *Cereus litoralis* Johow in Rev. Chil. Hist. Nat. 15: 157. 1923 ≡ *Trichocereus litoralis* (Johow) Looser in Revista Chilena Hist. Nat. 33: 598, fig. 114. 1929 ≡ *Echinopsis litoralis* (Johow) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 ≡ *Echinopsis chiloensis* subsp. *litoralis* (Johow) M.Lowry in Cactaceae Syst. Init. 16: 8. 2003 ≡ *Trichocereus chiloensis* subsp. *litoralis* (Johow) Faúndez in Darwiniana 45: 237. 2007
- Leucostele nigripilis* (Phil.) P.C.Guerrero & Helmut Walter in Phytotaxa 392(1): 90. 2019.** Sec. Guerrero & Walter (2019)
- ≡ *Cereus nigripilis* Phil., Fl. Atacam.: 23. 1860 syn. sec. Guerrero & Walter (2019) ≡ *Trichocereus chiloensis* var. *nigripilis* (Phil.) Espinosa in Revista Chilena Hist. Nat. 41: 242. 1937 syn. sec. Guerrero & Walter (2019) ≡ *Trichocereus coquimbanus* var. *nigripilis* (Phil.) Borg, Cacti, ed. 2: 181. 1951 syn. sec. Guerrero & Walter (2019) ≡ *Trichocereus nigripilis* (Phil.) Backeb., Cactaceae 2: 1145. 1959 syn. sec. Guerrero & Walter (2019) ≡ *Echinopsis nigripilis* (Phil.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Guerrero & Walter (2019)
- Leucostele pectinifera* (Albesiano) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)
- ≡ *Trichocereus pectiniferus* Albesiano in Haseltonia 18: 133. 2012 syn. sec. Schlumpberger (2021)
- Leucostele skottsbergii* (Backeb. ex Skottsbg.) P.C.Guerrero & Helmut Walter in Phytotaxa 392(1): 90. 2019.** Sec. Guerrero & Walter (2019)
- ≡ *Trichocereus skottsbergii* Backeb. ex Skottsbg. in Acta Horti Gothob. 18: 146, t. 10. 1950 syn. sec. Guerrero & Walter (2019) ≡ *Echinopsis skottsbergii* (Backeb. ex Skottsbg.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 ≡ *Echinopsis chiloensis* subsp. *skottsbergii* (Backeb. ex Skottsbg.) G.J.Charles in Cactaceae Syst. Init. 19: 13. 2005 ≡ *Trichocereus skottsbergii* var. *skottsbergii*
- = *Trichocereus skottsbergii* var. *breviatus* Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"] syn. sec. Guerrero & Walter (2019) ≡ *Echinopsis skottsbergii* var. *breviata* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Kew WCVP (2019)

***Leucostele terscheckii* (J.Parm. ex Pfeiff.) Schlumpb. in *Cactaceae Syst. Init.* 28: 29. 2012.** Sec. Schlumpberger (2012)

- ≡ *Cereus terscheckii* J.Parm. ex Pfeiff. in Allg. Gartenzeitung 5: 370. 1837 syn. sec. Schlumpberger (2012) ≡ *Pilocereus terscheckii* (J.Parm. ex Pfeiff.) Rümpler, Handb. Cacteenk., ed. 2: 688. 1885 ≡ *Trichocereus terscheckii* (J.Parm. ex Pfeiff.) Britton & Rose, *Cactaceae* 2: 140–141, f. 203–204. 1920 ≡ *Echinopsis terscheckii* (J.Parm. ex Pfeiff.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 ≡ *Cereus fercheckii* J.Parm., Hort. Belge 5: 66. 1838 syn. sec. Britton & Rose (1920) = *Cereus fulvispinus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 46. 1850 syn. sec. Britton & Rose (1920) = *Trichocereus terscheckii* var. *montanus* Backeb. in Cact. Succ. J. (Los Angeles) 23: 45. 1951 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis terscheckii* var. *montana* (Backeb.) H.Friedrich & G.D.Rowley in Repert. Pl. Succ. 25: 10. 1976 ["1974"] syn. sec. Kiesling & al. (2014)
- = *Trichocereus validus* (Monv. ex Salm-Dyck) Backeb. in Cactus (Paris) 46-47: 265. 1955 syn. sec. Schlumpberger (2021)
- = *Trichocereus terscheckioides* F.Ritter, Kakteen Südamerika 2: 446. 1980 syn. sec. Kiesling & al. (2014)

Notes. – *Echinopsis valida* was interpreted as related to or identical with what is now *Acanthocalycium rhodotrichum* or *A. leucanthum* (e.g. Schumann 1899, Britton & Rose 1922). As the protologue is not clearly assignable to any accepted taxon, we treat *E. valida* Monv. ex Salm-Dyck as a name of uncertain application (nomen dubium). But while Salm-Dyck (1850) described *E. valida* a rather low-growing plant ("caule subellipsoideo"), a second, different interpretation comes from Backeberg (1955), who assumed that Monvilles / Salm-Dyck's description was based on a juvenile plant of a columnar *Trichocereus*. Backeberg's *Trichocereus validus* (Monv. ex Salm-Dyck) Backeb. is clearly similar to *Leucostele terscheckii*, based on his description and photos. The name is often used for such plants in living collections. In absence of more evidence, *T. validus* is here treated as synonym of *Leucostele terscheckii*. [Schlumpberger (2021)]

***Leucostele tunariensis* (Cárdenas) Schlumpb. in *Cactaceae Syst. Init.* 28: 29. 2012.** Sec. Schlumpberger (2012)

- ≡ *Trichocereus tunariensis* Cárdenas in Cactus (Paris) 64: 160. 1959 syn. sec. Schlumpberger (2012) ≡ *Echinopsis tunariensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974

***Leucostele undulosa* (Albesiano) Schlumpb. in *Willdenowia* 51: 264. 2021.** Sec. Schlumpberger (2021)

- ≡ *Trichocereus undulosus* Albesiano in Haseltonia 18: 136. 2012 syn. sec. Schlumpberger (2021)

***Leucostele werdermanniana* (Backeb.) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Trichocereus werdermannianus* Backeb., Kaktus-ABC: 206, 412. 1936 ["1935"] syn. sec. Schlumpberger (2012) ≡ *Echinopsis werdermanniana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 99. 1974
- = *Trichocereus escayachensis* Cárdenas in Cact. Succ. J. (Los Angeles) 35: 157. 1963 syn. sec. Kiesling & al. (2014) ≡ *Helianthocereus escayachensis* (Cárdenas) Backeb., Kakteenlex.: 186. 1966 ≡ *Echinopsis escayachensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974

***Leuenbergeria* Lodé in *Cact.-Avent. Int.* 97: 26. 2012 ["2013"].** Sec. Lodé (2013)

Type: *Leuenbergeria quisqueyana* (Alain) Lodé

- ≡ *Pereskia* subg. *Leuenbergera* G.D.Rowley in *Cactaceae Syst. Init.* 32: 7. 2014 syn. sec. Hernández-Ledesma & al. (2015)

Notes. – Segregated from *Pereskia* to include the Northern clade; see note under *Pereskia*. [Hernández-Ledesma & al. (2015)]

***Leuenbergeria aureiflora* (F.Ritter) Lodé in *Cact.-Avent. Int.* 97: 26. 2012 ["2013"].** Sec. Lodé (2013)

- ≡ *Pereskia aureiflora* F.Ritter, Kakteen Südamerika 1: 22. 1979 syn. sec. Lodé (2013)

***Leuenbergeria bleo* (Kunth) Lodé in *Cact.-Avent. Int.* 97: 26. 2012 ["2013"].** Sec. Lodé (2013)

- ≡ *Cactus bleo* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 69. 1823 syn. sec. Lodé (2013) ≡ *Pereskia bleo* (Kunth) DC., Prodr. 3: 475. 1828 syn. sec. Lodé (2013) ≡ *Rhodocactus bleo* (Kunth) F.M.Knuth, Kaktus-ABC: 97. 1936 ["1935"] syn. sec. Leuenberger (1986)
- = *Pereskia cruenta* Pfeiff., Enum. Diagn. Cact.: 176. 1837 syn. sec. Kew WCV (2019)
- = *Peireskia cruenta* K.Schum., Fl. Bras. 4(2): 312. 1890
- = *Pereskia panamensis* F.A.C.Weber in Bois, Dict. Hort.: 939. 1898 syn. sec. Leuenberger (1986)
- = *Pereskia corrugata* Cutak in Cact. Succ. J. (Los Angeles) 23: 173. 1951 syn. sec. Leuenberger (1986) ≡ *Rhodocactus corrugatus* (Cutak) Backeb., *Cactaceae* 1: 118. 1958 syn. sec. Leuenberger (1986)

***Leuenbergeria guamacho* (F.A.C.Weber) Lodé in *Cact.-Avent. Int.* 97: 26. 2012 ["2013"].** Sec. Lodé (2013)

- ≡ *Pereskia guamacho* F.A.C.Weber in Bois, Dict. Hort.: 938-939. 1898 syn. sec. Lodé (2013) ≡ *Rhodocactus guamacho* (F.A.C.Weber) F.M.Knuth, Kaktus-ABC: 97. 1936 ["1935"] syn. sec. Leuenberger (1986)
- = *Pereskia colombiana* Britton & Rose, *Cactaceae* 1: 17. 1919 syn. sec. Leuenberger (1986) ≡ *Rhodocactus colombianus* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 97. 1936 ["1935"] syn. sec. Leuenberger (1986)

***Leuenbergeria lychnidiflora* (DC.) Lodé in *Cact.-Avent. Int.* 97: 27. 2012 ["2013"].** Sec. Lodé (2013)

- ≡ *Pereskia lychnidiflora* DC. in Mém. Mus. Hist. Nat. 17: 75-76, t. 18. 1828 syn. sec. Lodé (2013) ≡ *Rhodocactus lychnidiflorus* (DC.) F.M.Knuth, Kaktus-ABC: 97. 1936 ["1935"] syn. sec. Leuenberger (1986)
- = *Cactus fimbriatus* Moc. & Sessé ex DC., Prodr. 3: 475. 1828 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Pereskia opuntiiiflora* DC. in Mém. Mus. Hist. Nat. 17: 76, t. 19. 1828 syn. sec. Leuenberger (1986) ≡ *Pereskiaopsis opuntiiiflora* (DC.) Britton & Rose in Smithsonian Misc. Collect. 50: 332. 1907 syn. sec. Leuenberger (1986)
- = *Cactus opuntiiiflorus* Moc. & Sessé ex Pfeiff., Enum. Diagn. Cact.: 178. 1837 syn. sec. Kew WCV (2019)

- = *Pereskia pititache* Karw. ex Pfeiff., Enum. Diagn. Cact.: 176. 1837 syn. sec. Leuenberger (1986) ≡ *Opuntia pititache* (Pfeiff.) F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 4: 166. 1898 syn. sec. Leuenberger (1986) ≡ *Pereskia pititache* (Pfeiff.) Britton & Rose in Smithsonian Misc. Collect. 50: 332. 1907 syn. sec. Leuenberger (1986)
- = *Pereskia calandriniaefolia* Hort. ex C.F.Först., Handb. Cacteenk.: 511. 1846 syn. sec. Tropicos
- = *Pereskia calandriniiifolia* Hort. Berol. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 252. 1850 syn. sec. Leuenberger (1986) ≡ *Peireskia calandriniiifolia* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 206. 1894
- = *Opuntia golziana* K.Schum., Gesamtbeschr. Kakt.: 654. 1898, nom. illeg. syn. sec. Leuenberger (1986)
- = *Pereskia nicoyana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 468. 1902 syn. sec. Leuenberger (1986) ≡ *Rhodocactus nicoyanus* (F.A.C.Weber) F.M.Knuth, Kaktus-ABC: 97. 1936 ["1935"] syn. sec. Leuenberger (1986)
- = *Pereskia autumnalis* Eichlam in Monatsschr. Kakteenk. 19: 22. 1909 syn. sec. Leuenberger (1986) ≡ *Pereskia autumnalis* (Eichlam) Rose in Contr. U.S. Natl. Herb. 12: 399. 1909 syn. sec. Leuenberger (1986) ≡ *Rhodocactus autumnalis* (Eichlam) F.M.Knuth, Kaktus-ABC: 96. 1936 ["1935"] syn. sec. Leuenberger (1986)
- = *Pereskia konzattii* Britton & Rose, Cactaceae 1: 24. 1919 syn. sec. Leuenberger (1986) ≡ *Rhodocactus konzattii* (Britton & Rose) Backeb., Cactaceae 1: 118. 1958 syn. sec. Leuenberger (1986)

***Leuenbergeria marcanoi* (Areces) Lodé in Cact.-Avent. Int. 97: 27. 2012 ["2013"]. Sec. Lodé (2013)**

≡ *Pereskia marcanoi* Areces in Brittonia 44(4): 424. 1992 syn. sec. Lodé (2013)

***Leuenbergeria portulacifolia* (L.) Lodé in Cact.-Avent. Int. 97: 27. 2012 ["2013"]. Sec. Lodé (2013)**

≡ *Cactus portulacifolius* L., Sp. Pl.: 469-470. 1753 syn. sec. Lodé (2013) ≡ *Pereskia portulacifolia* (L.) DC., Prodr. 3: 475. 1828 syn. sec. Lodé (2013) ≡ *Rhodocactus portulacifolius* (L.) F.M.Knuth, Kaktus-ABC: 96. 1936 ["1935"] syn. sec. Lodé (2013)

***Leuenbergeria quisqueyana* (Alain) Lodé in Cact.-Avent. Int. 97: 27. 2012 ["2013"]. Sec. Lodé (2013)**

≡ *Pereskia quisqueyana* Alain in Phytologia 47(3): 183. 1980 syn. sec. Lodé (2013)

***Leuenbergeria zinniiflora* (DC.) Lodé in Cact.-Avent. Int. 97: 27. 2012 ["2013"]. Sec. Lodé (2013)**

≡ *Pereskia zinniiflora* DC. in Mém. Mus. Hist. Nat. 17: 75. 1828 syn. sec. Lodé (2013) ≡ *Rhodocactus zinniiflorus* (DC.) F.M.Knuth, Kaktus-ABC: 96. 1936 ["1935"] syn. sec. Lodé (2013)

= *Pereskia cubensis* Britton & Rose in Torreya 12: 13. 1912 syn. sec. Leuenberger (1986) ≡ *Rhodocactus cubensis* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 96. 1936 ["1935"] syn. sec. Leuenberger (1986)

***Lobivia* Britton & Rose, Cactaceae 3: 49. 1922. Sec. Hunt (2016)**

Type: *Lobivia pentlandii* (Hook.) Britton & Rose

= *Andenea* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 34. 1935 syn. sec. Backeberg (1959). Type: *Andenea gregeri* Kreuz.

= *Mesechinopsis* Y.Itô, Explan. Diagn. Austroechinocactinae: 286. 1957 syn. sec. Korotkova (2021)

= *Neolobivia* Y.Itô, Explan. Diagn. Austroechinocactinae: 284. 1957 syn. sec. Korotkova (2021)

= *Cinnabarinea* Frič ex F.Ritter, Kakteen Südamerika 2: 633. 1980 syn. sec. Korotkova (2021). Type: *Cinnabarinea cinnabarina* (Hook.) Frič ex F.Ritter

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Lobivia ancistrophora* (Speg.) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012. Sec. Schlumpberger (2012)**

≡ *Echinopsis ancistrophora* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 492. 1905 syn. sec. Schlumpberger (2012) ≡ *Pseudolobivia ancistrophora* (Speg.) Backeb. in Cactaceae (Berlin) 1941(2): 31. 1942 ≡ *Mesechinopsis ancistrophora* (Speg.) Y.Itô, Explan. Diagn. Austroechinocactinae: 75. 1957 syn. sec. Kew WCVP (2019)

= *Lobivia graulichii* Frič in Kaktusář 2: 79. 1931 ≡ *Echinopsis ancistrophora* var. *graulichii* (Frič) J.Ullmann in Kaktusy (Brno) 50(Special 1): 27. 2014 syn. sec. Kew WCVP (2019)

= *Echinopsis polyancistra* Backeb. in Kakteen-Freund 1: 18. 1933 ≡ *Pseudolobivia polyancistra* (Backeb.) Backeb., Stachlige Wildnis: 253. 1942 ≡ *Mesechinopsis polyancistra* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 74. 1957 ≡ *Echinopsis ancistrophora* var. *polyancistra* (Backeb.) Rausch, Lobivia: 140. 1975

= *Echinopsis hamatacantha* Backeb. in Kaktusář 5: 69. 1934 ≡ *Pseudolobivia hamatacantha* (Backeb.) Backeb., Stachlige Wildnis: 253. 1942 syn. sec. Tropicos ≡ *Mesechinopsis hamatacantha* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 74. 1957 ≡ *Echinopsis ancistrophora* var. *hamatacantha* (Backeb.) Rausch, Lobivia: 140. 1975 syn. sec. Kew WCVP (2019)

= *Echinopsis kratochviliana* Backeb. in Kakteen-Freund 3: 62. 1934 ≡ *Pseudolobivia kratochviliana* (Backeb.) Backeb., Stachlige Wildnis: 253. 1942 ≡ *Neolobivia kratochviliana* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 57. 1957 ≡ *Echinopsis ancistrophora* var. *kratochviliana* (Backeb.) Rausch, Lobivia: 140. 1975 syn. sec. Tropicos

= *Echinopsis leucorhodantha* Backeb. in Kaktusář 5: 63. 1934 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia leucorhodantha* Backeb. ex Krainz in Beitr. Sukkulenteenk. Sukkulenteenpflege 1942: 64. 1942 ≡ *Mesechinopsis leucorhodantha* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 76. 1957

= *Echinopsis lobivoides* Backeb. in Kaktusář 5: 64. 1934 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia lobivoides* Backeb. ex Krainz in Beitr. Sukkulenteenk. Sukkulenteenpflege 1942: 64. 1942 syn. sec. Kew WCVP (2019) ≡ *Mesechinopsis lobivoides* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 75. 1957 ≡ *Pseudolobivia pelecyrhachis* var. *lobivoides* (Backeb.) Backeb., Cactaceae 2: 1352. 1959 ≡ *Echinopsis pelecyrhachis* var. *lobivoides* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Kew WCVP (2019)

= *Echinopsis pelecyrhachis* Backeb. in Kaktusář 5: 65. 1934 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia pelecyrhachis* Backeb. ex Krainz in Beitr. Sukkulenteenk. Sukkulenteenpflege 1942: 64. 1942 syn. sec. Tropicos ≡ *Mesechinopsis pelecyrhachis* (Backeb.) Y.Itô, Explan. Diagn. Austroechinocactinae: 76. 1957

= *Echinopsis torrecillasensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 28: 110. 1956 syn. sec. Kiesling & al. (2014) ≡ *Pseudolobivia torrecillasensis* (Cárdenas) Backeb., *Cactaceae* 2: 1353. 1959 syn. sec. Hunt (1999) ≡ *Lobivia arachnacantha* var. *torrecillasensis* (Cárdenas) Buining in *Succulenta (Netherlands)* 1965: 151. 1965 syn. sec. WFO 2019 ≡ *Echinopsis arachnacantha* var. *torrecillasensis* (Cárdenas) H.Friedrich in *Kakteen And. Sukk.* 25: 82. 1974 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis ancistrophora* var. *torrecillasensis* (Cárdenas) Rausch, *Lobivia*: 140. 1975 syn. sec. Kew WCVP (2019) ≡ *Echinopsis arachnacantha* subsp. *torrecillasensis* (Cárdenas) M.Lowry in *Cactaceae Syst. Init.* 13: 17. 2002

= *Echinopsis tapecuana* F.Ritter in *Succulenta (Netherlands)* 44: 24. 1965 ≡ *Echinopsis obrepanda* subsp. *tapecuana* (F.Ritter) G.Navarro in *Lazaroa* 17: 51. 1996 syn. sec. Kew WCVP (2019)

***Lobivia arachnacantha* Buining & F.Ritter in *Succulenta (Netherlands)* 1956: 37. 1956. Sec. Kiesling & al. (2014)**

≡ *Echinopsis arachnacantha* (Buining & F.Ritter) H.Friedrich in *Kakteen And. Sukk.* 25(4): 82. 1974 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis ancistrophora* subsp. *arachnacantha* (Buining & F.Ritter) Rausch, *Lobivia*: 140. 1975 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis ancistrophora* var. *arachnacantha* (Buining & F.Ritter) Rausch, *Lobivia*: 140. 1975 syn. sec. Kiesling & al. (2014)

= *Echinopsis graciliflora* Cárdenas in *Revista Agric. (Cochabamba)* 10: 10–11. 1958 syn. sec. Hunt (2016)

= *Lobivia arachnacantha* var. *sulphurea* R.Vásquez in *Succulenta (Netherlands)* 53(6): 108. 1974 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis arachnacantha* var. *sulphurea* (R.Vásquez) G.D.Rowley in *Repert. Pl. Succ.* 25: 6. 1976 ["1974"] syn. sec. Kiesling & al. (2014) ≡ *Echinopsis arachnacantha* subsp. *sulphurea* (R.Vásquez) M.Lowry in *Cactaceae Syst. Init.* 13: 17. 2002 syn. sec. Kiesling & al. (2014)

= *Echinopsis arachnacantha* var. *vallegrandensis* Rausch in *Kakteen And. Sukk.* 26: 1. 1975 syn. sec. Kiesling & al. (2014)

***Echinopsis arachnacantha* subsp. *densiseta* (Rausch) M.Lowry in *Cactaceae Syst. Init.* 13: 16. 2002. Sec. Kew WCVP (2019)**

≡ *Lobivia arachnacantha* var. *densiseta* Rausch in *Kakteen And. Sukk.* 21: 45. 1970 ≡ *Echinopsis arachnacantha* var. *densiseta* (Rausch) H.Friedrich in *Kakteen And. Sukk.* 25: 82. 1974

Lobivia arachnacantha* subsp. *arachnacantha

***Lobivia ayopayana* (F.Ritter & Rausch) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012. Sec. Schlumpberger (2012)**

≡ *Echinopsis ayopayana* F.Ritter & Rausch in *Succulenta (Netherlands)* 47: 85. 1968 syn. sec. Schlumpberger (2012)

***Lobivia backebergii* (Werderm.) Backeb. in *Blätt. Kakteenf.* 1935(12): 6, genus 57, sp. 22. 1935. Sec. Kiesling & al. (2014)**

≡ *Echinopsis backebergii* Werderm. in *Backeberg, Neue Kakteen*: 83–84. 1931 syn. sec. Kiesling & al. (2014)

= *Lobivia wrightiana* Backeb. in *Blätt. Kakteenf.* 1937(12): 1, genus 57, sp. 29. 1937 ≡ *Lobivia backebergii* subsp. *wrightiana* (Backeb.) Rausch, *Lobivia*: 178. 1975 ≡ *Echinopsis backebergii* subsp. *wrightiana* (Backeb.) M.Lowry in *Cactaceae Syst. Init.* 20: 15. 2005 ≡ *Neolobivia wrightiana* (Backeb.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 55. 1957 syn. sec. Brako & Zarucchi (1993) ≡ *Lobivia backebergii* var. *wrightiana* (Backeb.) Rausch, *Lobivia*: 20. 1975 syn. sec. Korotkova (2021)

= *Lobivia backebergiana* Y.Itô, *Full Bloom Cact. Fls.*: 50. 1962 syn. sec. Kew WCVP (2019)

= *Lobivia oxyalabastra* Cárdenas & Rausch in *Kakteen And. Sukk.* 17: 76. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia backebergii* var. *oxyalabastra* (Cárdenas & Rausch) Rausch, *Lobivia*: 20. 1975 syn. sec. Kiesling & al. (2014)

= *Lobivia winteriana* F.Ritter in *Kakteen And. Sukk.* 21: 146. 1970 syn. sec. Kew WCVP (2019) ≡ *Lobivia backebergii* var. *winteriana* (F.Ritter) Rausch, *Lobivia*: 20. 1975 syn. sec. Kew WCVP (2019) ≡ *Neolobivia winteriana* (F.Ritter) F.Ritter, *Kakteen Südamerika* 4: 1333. 1981 syn. sec. Brako & Zarucchi (1993) ≡ *Lobivia wrightiana* var. *winteriana* (F.Ritter) Rausch, *Lobivia* 85: 136. 1987 ["1985"] syn. sec. Kew WCVP (2019)

= *Lobivia zecheri* Rausch in *Succulenta (Netherlands)* 50(8): 146. 1971 ≡ *Lobivia backebergii* subsp. *zecheri* (Rausch) Rausch, *Lobivia*: 178. 1975 ≡ *Lobivia backebergii* var. *zecheri* (Rausch) Rausch, *Lobivia*: 20. 1975 ≡ *Lobivia backebergii* subsp. *zecheri* (Rausch) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kew WCVP (2019)

= *Lobivia zencheri* Rausch in *Succulenta (Netherlands)* 50: 146. 1971 syn. sec. Kew WCVP (2019)

= *Neolobivia divaricata* F.Ritter, *Kakteen Südamerika* 4: 1337. 1981 syn. sec. Brako & Zarucchi (1993) ≡ *Lobivia hertrichiana* f. *divaricata* (F.Ritter) J.Ullmann in *Kaktusy (Brno)* 28: 9. 1992

***Lobivia boyuibensis* (F.Ritter) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012. Sec. Schlumpberger (2012)**

≡ *Echinopsis boyuibensis* F.Ritter in *Succulenta (Netherlands)* 44: 25. 1965 syn. sec. Schlumpberger (2012) ≡ *Pseudolobivia boyuibensis* (F.Ritter) Backeb., *Kakteenlex.*: 372. 1966

***Lobivia brachiantha* Wessner in *Kakteen And. Sukk.* 1937: 207. 1937. Sec. Kiesling & al. (2014)**

Notes. – This species is accepted by Kiesling & al. (2014), but besides is not found in other treatments, not even as a synonym. According to Kiesling & al., it is only known of the type and no type locality is mentioned in the protologue. [Schlumpberger (2021)]

***Lobivia bridgesii* (Salm-Dyck) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012. Sec. Schlumpberger (2012)**

≡ *Echinopsis bridgesii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 39. 1850 syn. sec. Schlumpberger (2012) ≡ *Cereus bridgesii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 208. 1850 ≡ *Echinopsis salmiana* var. *bridgesii* (Salm-Dyck) K.Schum., *Gesamtbeschr. Kakt.*: 237. 1897

= *Cereus lasianthus* K.Schum. in *Mem. Torrey Bot. Club* 4: 208. 1895 syn. sec. Britton & Rose (1920)

= *Trichocereus scopulicola* F.Ritter in *Cactus (Paris)* 87: 14. 1966 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis scopulicola* (F.Ritter) Mottram in *Cactaceae Consensus Init.* 2: 9. 1997 syn. sec. Kiesling & al. (2014)

= *Trichocereus tenuispinus* F.Ritter in *Cactus (Paris)* 88: 27. 1967 syn. sec. Anderson (2005)

= *Echinopsis kladiwatana* Rausch in *Kakteen And. Sukk.* 23: 264. 1972 syn. sec. Kiesling & al. (2014)

= *Trichocereus riomizquensis* F.Ritter, *Kakteen Südamerika* 2: 563. 1980 syn. sec. Kiesling & al. (2014)

Lobivia bridgesii* subsp. *bridgesii

***Lobivia bridgesii* subsp. *vallegrandensis* (Cárdenas) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)

- ≡ *Echinopsis vallegrandensis* Cárdenas in Cactus (Paris) 64: 163. 1959 syn. sec. Schlumpberger (2021) ≡ *Echinopsis huotii* subsp. *vallegrandensis* (Cárdenas) G.Navarro in Lazaroa 17: 50. 1996 syn. sec. Schlumpberger (2021) ≡ *Echinopsis bridgesii* subsp. *vallegrandensis* (Cárdenas) M.Lowry in Cactaceae Syst. Init. 19: 12. 2005 syn. sec. Schlumpberger (2021)
- = *Echinopsis pojoensis* Cárdenas in Cactus (Paris) 64: 166. 1959 syn. sec. Kew WCVP (2019)
- = *Echinopsis cotacajesii* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 184. 1970 syn. sec. Hunt (2016)

***Lobivia bridgesii* subsp. *yungasensis* (F.Ritter) Schlumpb. in Willdenowia 51: 264. 2021.** Sec. Schlumpberger (2021)

- ≡ *Echinopsis yungasensis* F.Ritter, Kakteen Südamerika 2: 631. 1980 syn. sec. Schlumpberger (2021) ≡ *Echinopsis bridgesii* subsp. *yungasensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 130. 1995 syn. sec. Schlumpberger (2021)

***Lobivia caineana* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 184. 1952.** Sec. Kiesling & al. (2014)

- ≡ *Echinopsis caineana* (Cárdenas) D.R.Hunt in Bradleya 9: 88. 1991 syn. sec. Kiesling & al. (2014)

***Lobivia calorubra* (Cárdenas) Rausch, Lobivia 85: 21. 1987 ["1985"].** Sec. Hunt (2016)

- ≡ *Echinopsis calorubra* Cárdenas in Natl. Cact. Succ. J. 12: 62. 1957 ≡ *Pseudolobivia calorubra* (Cárdenas) Backeb., Kakteenlex.: 372. 1966 syn. sec. Tropicos ≡ *Echinopsis obrepanda* var. *calorubra* (Cárdenas) Rausch, Lobivia: 52. 1975 syn. sec. Kew WCVP (2019) ≡ *Echinopsis obrepanda* subsp. *calorubra* (Cárdenas) G.Navarro in Lazaroa 17: 50. 1996 syn. sec. Kew WCVP (2019) ≡ *Echinopsis rojasii* subsp. *calorubra* (Cárdenas) M.Lowry in Cactaceae Syst. Init. 28: 23. 2012 syn. sec. Kew WCVP (2019)
- = *Lobivia pojoensis* var. *grandiflora* Rausch in Kakteen And. Sukk. 19: 9. 1968 syn. sec. Kew WCVP (2019) ≡ *Echinopsis rauschii* var. *grandiflora* (Rausch) H.Friedrich in Kakteen And. Sukk. 25: 83. 1974 syn. sec. Kew WCVP (2019) ≡ *Echinopsis ancistrophora* var. *grandiflora* (Rausch) Rausch, Lobivia: 140. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia calorubra* var. *grandiflora* (Rausch) Rausch, Lobivia 85: 21. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Echinopsis rauschii* var. *megalcephala* Rausch in Kakteen And. Sukk. 25: 241. 1974 syn. sec. Kew WCVP (2019) ≡ *Echinopsis ancistrophora* var. *megalcephala* (Rausch) Rausch, Lobivia: 140. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia calorubra* var. *megalcephala* (Rausch) Rausch, Lobivia 85: 21. 1987 ["1985"] syn. sec. Kew WCVP (2019)
- = *Lobivia aguilari* R.Vásquez in Kakteen And. Sukk. 25: 1. 1974 syn. sec. Kew WCVP (2019) ≡ *Echinopsis obrepanda* var. *aguilari* (R.Vásquez) Rausch, Lobivia: 52. 1975 syn. sec. Kew WCVP (2019)

***Lobivia cardenasiana* Rausch in Kakteen And. Sukk. 23: 32. 1972.** Sec. Hunt (2016)

- ≡ *Echinopsis cardenasiana* (Rausch) H.Friedrich in Kakteen And. Sukk. 25(4): 82. 1974 syn. sec. Hunt (2016) ≡ *Echinopsis ancistrophora* subsp. *cardenasiana* (Rausch) Rausch, Lobivia: 140. 1975 syn. sec. Korotkova (2021)

***Lobivia chrysochete* (Werderm.) Wessner in Beitr. Sukkulentenk. Sukkulentenpflege 1938: 71. 1938.** Sec. Kew WCVP (2019)

- ≡ *Echinopsis chrysochete* Werderm. in Repert. Spec. Nov. Regni Veg. 39: 271. 1936 syn. sec. Kiesling & al. (2014)
- = *Lobivia hystrix* F.Ritter in Succulenta (Netherlands) 1966: 84. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia chrysochete* var. *hystrix* (F.Ritter) J.Ullmann in Kaktusy (Brno) 28: 34. 1992 syn. sec. Kiesling & al. (2014)
- = *Lobivia tenuispina* F.Ritter in Succulenta (Netherlands) 1966: 85. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia chrysochete* var. *tenuispina* (F.Ritter) Rausch, Lobivia: 96. 1975 syn. sec. Kiesling & al. (2014)
- = *Lobivia chrysochete* var. *subtilis* Rausch in Succulenta (Netherlands) 59: 54. 1980 syn. sec. Kiesling & al. (2014)
- = *Lobivia markusii* Rausch in Kakteen And. Sukk. 17: 121. 1966 syn. sec. Kiesling & al. (2014) – *Lobivia chrysochete* var. *markusii* (Rausch) Rausch, Lobivia: 96. 1975, nom. inval. syn. sec. Kiesling & al. (2014)

***Lobivia cinnabarina* (Hook.) Britton & Rose, Cactaceae 3: 54, pl. 4. 1922.** Sec. Kiesling & al. (2014)

- ≡ *Echinocactus cinnabarinus* Hook. in Bot. Mag. 73: t. 4326. 1847 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis cinnabarina* (Hook.) Labour., Monogr. Cact.: 288. 1853 syn. sec. Kiesling & al. (2014) ≡ *Echinocereus cinnabarinus* (Hook.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894 syn. sec. Korotkova (2021) ≡ *Cinnabarinea cinnabarina* (Hook.) Frič ex F.Ritter, Kakteen Südamerika 2: 634. 1980 syn. sec. Kiesling & al. (2014)
- = *Echinocactus cinnabarinus* var. *spiniosior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 176. 1850 syn. sec. Britton & Rose (1922) ≡ *Lobivia cinnabarina* var. *spiniosior* (Salm-Dyck) Y.Itô ex Backeb., Cactaceae 4: 1440. 1960
- = *Echinopsis chereauiana* Schlumb. in Rev. Hort. 5: 402. 1856 syn. sec. Kiesling & al. (2014) ≡ *Lobivia chereauiana* (Schlumb.) Backeb., Kaktus-ABC: 231. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Echinopsis colmarii* Neubert in Deutsch. Mag. Garten-Blumenk. 1878 syn. sec. Britton & Rose (1922)
- = *Echinopsis cinnabarina* var. *spiniosior* Rümpler, Handb. Cacteenk., ed. 2: 618. 1885 syn. sec. Britton & Rose (1922)
- = *Echinocactus chereauianus* J.F.Cels, Dict. Hort.: 471. 1896 syn. sec. Britton & Rose (1922)
- = *Echinopsis cinnabarina* var. *scheeriana* Rud.Mey. in Monatsschr. Kakteenk. 7: 164. 1897 syn. sec. Britton & Rose (1922)
- = *Echinopsis colmariensis* K.Schum., Gesamtbeschr. Kakt.: 230. 1897 syn. sec. Britton & Rose (1922)
- = *Echinopsis cinnabarina* var. *cheroniana* Fernald in Monatsschr. Kakteenk. 14: 168. 1904 syn. sec. Britton & Rose (1922)
- = *Echinopsis cinnabarina* var. *cristata* Keay in Monatsschr. Kakteenk. 17: 74. 1907 syn. sec. Britton & Rose (1922)
- = ?*Echinopsis columnaris* Fernald in Monatsschr. Kakteenk. 20: 143. 1910 syn. sec. Britton & Rose (1922)

- = *Lobivia walterspielii* Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 126. 1936 syn. sec. Kiesling & al. (2014) ≡ *Lobivia rossii* var. *walterspielii* (Boed.) Backeb., *Cactaceae* 4: 1406. 1960 ≡ *Lobivia cinnabarina* subvar. *walterspielii* (Boed.) Rausch, *Lobivia*: 64. 1975 syn. sec. Kiesling & al. (2014) ≡ *Cinnabarinea walterspielii* (Boed.) F.Ritter, *Kakteen Südamerika* 2: 634. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* var. *walterspielii* (Boed.) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kiesling & al. (2014)
- = *Lobivia charcasina* Cárdenas in *Cactus (Paris)* 82: 42. 1964 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* f. *charcasina* (Cárdenas) J.Ullmann in *Kaktusy (Brno)* 28: 8. 1992
- = *Lobivia prestoana* Cárdenas in *Cact. Succ. J. (Los Angeles)* 42: 185. 1970 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subsp. *prestoana* (Cárdenas) Rausch, *Lobivia*: 178. 1975 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* var. *prestoana* (Cárdenas) Rausch, *Lobivia*: 64. 1975 syn. sec. Kiesling & al. (2014) ≡ *Cinnabarinea prestoana* (Cárdenas) F.Ritter, *Kakteen Südamerika* 2: 637. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subsp. *prestoana* (Cárdenas) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 ≡ *Lobivia cinnabarina* var. *prestoana* (Cárdenas) J.Ullmann in *Kaktusy (Brno)* 28: 8. 1992
- = *Lobivia zudanensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 42: 34. 1970 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subvar. *zudanensis* (Cárdenas) Rausch, *Lobivia*: 64. 1975 ≡ *Cinnabarinea zudanensis* (Cárdenas) F.Ritter, *Kakteen Südamerika* 2: 637. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* var. *zudanensis* (Cárdenas) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982
- = *Lobivia draxleriana* Rausch in *Succulenta (Netherlands)* 50(10): 193. 1971 syn. sec. Kew WCVP (2019) ≡ *Lobivia cinnabarina* subvar. *draxleriana* (Rausch) Rausch, *Lobivia*: 64. 1975 ≡ *Lobivia cinnabarina* var. *draxleriana* (Rausch) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Lobivia prestoana* var. *draxleriana* (Rausch) Šída in *Repert. Pl. Succ.* 42: 6. 1991 syn. sec. Korotkova (2021)
- = *Cinnabarinea walterspielii* var. *sanguiniflora* F.Ritter, *Kakteen Südamerika* 2: 635. 1980 syn. sec. Kew WCVP (2019)
- Lobivia coronata* (Cárdenas) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)
- ≡ *Echinopsis coronata* Cárdenas in *Natl. Cact. Succ. J.* 12: 63. 1957 syn. sec. Schlumpberger (2012)
- Lobivia ferox* Britton & Rose, *Cactaceae* 3: 50. 1922.** Sec. Hunt (2016)
- ≡ *Echinopsis ferox* (Britton & Rose) Backeb. in *Kakteen-Freund* 3: 4. 1934 syn. sec. Hunt (2016) ≡ *Pseudolobivia ferox* (Britton & Rose) Backeb., *Stachlige Wildnis*: 219. 1942 syn. sec. Tropicos ≡ *Furiolobivia ferox* (Britton & Rose) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 80. 1957 syn. sec. Kew WCVP (2019)
- = *Lobivia longispina* Britton & Rose, *Cactaceae* 3: 51, f. 64, 65. 1922 ≡ *Echinopsis longispina* (Britton & Rose) Werderm. in Backeberg, *Neue Kakteen*: 84. 1931 syn. sec. Hunt (2016) ≡ *Furiolobivia longispina* (Britton & Rose) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 79. 1957 syn. sec. Kew WCVP (2019) – *Lobivia ferox* var. *longispina* (Britton & Rose) Rausch, *Lobivia*: 72. 1975, nom. inval.
- = *Echinopsis potosina* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 11: 267. 1931 syn. sec. Hunt (2016) ≡ *Pseudolobivia potosina* (Werderm.) Backeb. ex Krainz in *Beitr. Sukkulenteenk. Sukkulentepflege* 1942: 64. 1942 ≡ *Furiolobivia potosina* (Werderm.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 80. 1957 ≡ *Lobivia potosina* (Werderm.) H.Friedrich in *Kakteen And. Sukk.* 25: 83. 1974 ≡ *Echinopsis ferox* var. *potosina* (Werderm.) Rausch, *Lobivia*: 72. 1975 ≡ *Echinopsis ferox* subsp. *potosina* (Werderm.) M.Lowry in *Cactaceae Syst. Init.* 13: 17. 2002
- = *Echinopsis nigra* Backeb., *Kaktus-ABC*: 221. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia nigra* (Backeb.) Backeb., *Stachlige Wildnis*: 244. 1942 syn. sec. Kew WCVP (2019) ≡ *Furiolobivia nigra* (Backeb.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 79. 1957 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia longispina* var. *nigra* (Backeb.) Backeb., *Cactaceae* 2: 1344. 1959 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* var. *nigra* (Backeb.) H.Friedrich in *Kakteen And. Sukk.* 25: 83. 1974 syn. sec. Kew WCVP (2019)
- = *Lobivia claeysiana* Backeb. in *Blätt. Kakteenf.* 1937(1): 5, genus 57, sp. 27. 1937 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* f. *claeysiana* (Backeb.) J.Ullmann in *Kaktusy (Brno)* 28: 58. 1992
- = *Lobivia hastifera* Werderm. in *Repert. Spec. Nov. Regni Veg. Sonderbeih. B C*: 151. 1938 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* f. *hastifera* (Werderm.) J.Ullmann in *Kaktusy* 28(3): 58. 1992 syn. sec. Korotkova (2021)
- = *Pseudolobivia longispina* Backeb. ex Krainz in *Beitr. Sukkulenteenk. Sukkulentepflege* 1942: 64. 1942 syn. sec. Kew WCVP (2019)
- = *Trichocereus orurensis* var. *albiflorus* Cárdenas in *Fuauux Herb. Bull.* 1(5): 16. 1953 syn. sec. Kew WCVP (2019) ≡ *Echinopsis orurensis* var. *albiflora* (Cárdenas) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 96. 1974 syn. sec. Kew WCVP (2019)
- = *Echinopsis cerdana* Cárdenas in *Cactus (Paris)* 65: 177. 1959 syn. sec. Hunt (2016) ≡ *Lobivia ferox* f. *cerdana* (Cárdenas) J.Ullmann in *Kaktusy (Brno)* 28: 58. 1992
- = *Lobivia aureolilacina* Cárdenas in *Cact. Succ. J. (Los Angeles)* 33: 110, f. 65, 66. 1961 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* f. *aureolilacina* (Cárdenas) J.Ullmann in *Kaktusy* 28(2): 35. 1992 syn. sec. Kew WCVP (2019)
- = *Lobivia pachyacantha* Y.Itô, *Full Bloom Cact. Fls.*: 50. 1962 syn. sec. Kew WCVP (2019)
- = *Pseudolobivia wilkeae* var. *carminata* Backeb., *Cactaceae* 6: 3726. 1962 syn. sec. Kew WCVP (2019)
- = *Echinopsis lecoriensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 36: 158. 1963 syn. sec. Hunt (2016) ≡ *Pseudolobivia lecoriensis* (Cárdenas) Backeb., *Kakteenlex.*: 373. 1966 syn. sec. Tropicos ≡ *Lobivia ferox* f. *lecoriensis* (Cárdenas) J.Ullmann in *Kaktusy* 28(2): 35. 1992 syn. sec. Kew WCVP (2019)
- = *Lobivia horrida* F.Ritter in *Taxon* 12: 124. 1963 syn. sec. Kew WCVP (2019)
- = *Lobivia pictiflora* F.Ritter in *Succulenta (Netherlands)* 45: 84. 1966 syn. sec. Kew WCVP (2019)
- = *Lobivia ferox* var. *camargensis* F.Ritter, *Kakteen Südamerika* 2: 571. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* f. *camargensis* (F.Ritter) J.Ullmann in *Kaktusy* 28(2): 34. 1992 syn. sec. Korotkova (2021)
- = *Lobivia variispina* F.Ritter, *Kakteen Südamerika* 2: 577. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia ferox* f. *variispina* (F.Ritter) J.Ullmann in *Kaktusy* 28(3): 58. 1992 syn. sec. Korotkova (2021)

= *Lobivia pictiflora* F.Ritter syn. sec. WFO 2019 ≡ *Lobivia ferox* f. *pictiflora* (F.Ritter) J.Ullmann in *Kaktusy* 28(3): 58. 1992 syn. sec. Korotkova (2021)

***Lobivia hertrichiana* Backeb. in *Kakteen-Freund* 1: 103. 1933. Sec. Hunt (2016)**

- ≡ *Lobivia backebergii* subsp. *hertrichiana* (Backeb.) Rausch, *Lobivia*: 178. 1975 ≡ *Lobivia backebergii* var. *hertrichiana* (Backeb.) Rausch, *Lobivia*: 20. 1975 syn. sec. Kew WCVP (2019) ≡ *Neolobivia hertrichiana* (Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1334. 1981 ≡ *Lobivia backebergii* subsp. *hertrichiana* (Backeb.) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis hertrichiana* (Backeb.) D.R.Hunt in *Bradleya* 9: 88. 1991
- = *Lobivia allegraiana* Backeb., *Kaktus-ABC*: 232, 413. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Lobivia hertrichiana* f. *allegraiana* (Backeb.) J.Ullmann in *Kaktusy* (Brno) 28: 9. 1992
- = *Lobivia binghamiana* Backeb., *Kaktus-ABC*: 232. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Lobivia hertrichiana* f. *binghamiana* (Backeb.) J.Ullmann in *Kaktusy* (Brno) 26: 19. 1990
- = *Lobivia incaica* Backeb., *Kaktus-ABC*: 233, 413. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neolobivia incaica* (Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1335. 1981 syn. sec. Brako & Zarucchi (1993) ≡ *Lobivia hertrichiana* f. *incaica* (Backeb.) J.Ullmann in *Kaktusy* (Brno) 26: 19. 1990
- = *Lobivia planiceps* Backeb., *Kaktus-ABC*: 233, 424. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Lobivia hertrichiana* f. *planiceps* (Backeb.) J.Ullmann in *Kaktusy* (Brno) 28: 9. 1992
- = *Lobivia huilcanota* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 469. 1958 syn. sec. Kew WCVP (2019) ≡ *Lobivia hertrichiana* f. *huilcanota* (Rausch & Backeb.) J.Ullmann in *Kaktusy* (Brno) 28: 9. 1992
- = *Lobivia minuta* F.Ritter in *Taxon* 12(3): 124. 1963 ≡ *Neolobivia minuta* (F.Ritter) F.Ritter, *Kakteen Südamerika* 4: 1336. 1981 syn. sec. Tropicos ≡ *Lobivia hertrichiana* f. *minuta* (F.Ritter) J.Ullmann in *Kaktusy* (Brno) 26: 19. 1990
- = *Lobivia vilcabambae* F.Ritter in *Taxon* 12(3): 124. 1963 syn. sec. Kew WCVP (2019) ≡ *Neolobivia vilcabambae* (F.Ritter) F.Ritter, *Kakteen Südamerika* 4: 1337. 1981 syn. sec. Brako & Zarucchi (1993)
- = *Lobivia simplex* Rausch in *Succulenta (Netherlands)* 51(7): 134. 1972 syn. sec. Kew WCVP (2019) ≡ *Lobivia backebergii* var. *simplex* (Rausch) Rausch, *Lobivia*: 20. 1975 ≡ *Lobivia hertrichiana* var. *simplex* (Rausch) Rausch, *Lobivia* 85: 65. 1987 ["1985"]
- = *Lobivia echinata* Rausch in *Kakteen And. Sukk.* 24(8): 169. 1973 syn. sec. Kew WCVP (2019) ≡ *Neolobivia echinata* (Rausch) F.Ritter, *Kakteen Südamerika* 4: 1338. 1981 ≡ *Lobivia hertrichiana* f. *echinata* (Rausch) J.Ullmann in *Kaktusy* (Brno) 28: 9. 1992
- = *Lobivia laui* Donald in *Ashingtonia* 1: 40. 1974 syn. sec. Kew WCVP (2019) ≡ *Lobivia hertrichiana* var. *laui* (Donald) Rausch, *Lobivia* 85: 65. 1987 ["1985"]
- = *Lobivia backebergii* var. *laui* Rausch, *Lobivia*: 20. 1975 syn. sec. WFO 2019
- = *Neolobivia prolifera* F.Ritter, *Kakteen Südamerika* 4: 1335. 1981 syn. sec. Brako & Zarucchi (1993) ≡ *Lobivia hertrichiana* f. *prolifera* (F.Ritter) J.Ullmann in *Kaktusy* (Brno) 28: 9. 1992

***Lobivia krahn-juckeri* Diers in *Kakteen And. Sukk.* 60(8): 216. 2009. Sec. Kiesling & al. (2014)**

≡ *Echinopsis krahn-juckeri* (Diers) M.Lowry in *Cact. Explor.* 22: 32. 2018 syn. sec. Kew WCVP (2019)

***Lobivia krahn-juckeri* subsp. *echinopsoides* Diers & Jucker in *Succulenta (Netherlands)* 96: 112. 2017. Sec. Schlumpberger (2021)**

≡ *Echinopsis torrefluminensis* M.Lowry in *Cact. Explor.* 22: 32. 2018 syn. sec. Kew WCVP (2019)

***Lobivia krahn-juckeri* subsp. *krahn-juckeri*. Sec. Schlumpberger (2021)**

***Lobivia lateritia* (Gürke) Britton & Rose, *Cactaceae* 3: 56. 1922. Sec. Kiesling & al. (2014)**

- ≡ *Echinopsis lateritia* Gürke in *Monatsschr. Kakteenk.* 17: 151. 1907 syn. sec. Kiesling & al. (2014)
- = *Lobivia kupperiana* Backeb., *Kaktus-ABC*: 234, 414. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Lobivia lateritia* var. *kupperiana* (Backeb.) Rausch, *Lobivia*: 76. 1975 syn. sec. Kiesling & al. (2014)
- = *Lobivia cintiensis* Cárdenas in *Cactus (Paris)* 65: 179. 1959 syn. sec. Kiesling & al. (2014) ≡ *Hymenorebutia cintiensis* (Cárdenas) F.Ritter, *Kakteen Südamerika* 2: 583. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia lateritia* var. *cintiensis* (Cárdenas) J.Ullmann in *Kaktusy* (Brno) 26: 19. 1990 syn. sec. Kiesling & al. (2014)
- = *Lobivia scopulina* Backeb., *Cactaceae* 6: 3755. 1962 syn. sec. Kiesling & al. (2014)
- = *Lobivia camataquiensis* Cárdenas in *Cactus (Paris)* 78: 90. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia lateritia* var. *camataquiensis* (Cárdenas) J.Ullmann in *Kaktusy* (Brno) 28: 58. 1992 syn. sec. Kew WCVP (2019)
- = *Lobivia cintiensis* var. *elongata* F.Ritter in *Taxon* 12: 124. 1963 syn. sec. Kiesling & al. (2014)
- = *Hymenorebutia torataensis* F.Ritter, *Kakteen Südamerika* 2: 589. 1980 syn. sec. Kiesling & al. (2014)
- = *Hymenorebutia torreana* F.Ritter, *Kakteen Südamerika* 2: 589. 1980 syn. sec. Kiesling & al. (2014)
- = *Lobivia horrida* var. *sanguiniflora* F.Ritter – *Lobivia lateritia* var. *sanguiniflora* (F.Ritter) Rausch, *Lobivia*: 76. 1975, nom. inval. syn. sec. Kew WCVP (2019)

Lobivia lateritia* subsp. *lateritia

***Lobivia lateritia* var. *citriflora* Rausch in *Succulenta (Netherlands)* 59: 30. 1980. Sec. Kiesling & al. (2014)**

***Lobivia lateritia* var. *cotagaitensis* Rausch in *Kakteen And. Sukk.* 28: 235. 1977. Sec. Kiesling & al. (2014)**

***Lobivia mamillosa* (Gürke) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012. Sec. Kiesling & al. (2014)**

- ≡ *Echinopsis mamillosa* Gürke in *Monatsschr. Kakteenk.* 17: 135. 1907 syn. sec. Schlumpberger (2012)
- = *Echinopsis maximiliana* var. *longispina* Geiseler in *Monatsschr. Kakteenk.* 20: 143. 1910 syn. sec. Kew WCVP (2019)
- = *Echinopsis ritteri* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 141. 1932 syn. sec. Kiesling & al. (2014)

- = *Pseudolobivia kermesina* Krainz in Beitr. Sukkulantenk. Sukkulantenpflege 1942: 61. 1942 syn. sec. Tropicos ≡ *Echinopsis kermesina* (Krainz) Krainz, Kakteen 16: Cva. 1961 ≡ *Echinopsis mamillosa* var. *kermesina* (Krainz) H.Friedrich in Kakteen And. Sukk. 22: 45. 1971
- = *Echinopsis herbasii* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 111. 1956 syn. sec. Kiesling & al. (2014)
- = *Echinopsis orozasana* F.Ritter in Winter-Kat. 1959 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia orozasana* (F.Ritter) Backeb. in Cactus (Paris) 83: 61. 1965 syn. sec. Tropicos
- = *Echinopsis silvatica* F.Ritter in Succulenta (Netherlands) 44: 24. 1965 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis mamillosa* subsp. *silvatica* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 130. 1995 syn. sec. Kew WCVP (2019)
- = *Echinopsis mamillosa* var. *flexilis* Rausch in Kakteen And. Sukk. 28: 235. 1977 syn. sec. Kiesling & al. (2014)
- = *Echinopsis cajasensis* F.Ritter, Kakteen Südamerika 2: 630. 1980 syn. sec. Kiesling & al. (2014)
- = *Echinopsis hystrioides* F.Ritter, Kakteen Südamerika 2: 626. 1980 ≡ *Echinopsis mamillosa* var. *hystrioides* (F.Ritter) J.Ullmann in Kaktusy (Brno) 50(Special 1): 28. 2014

***Lobivia maximiliana* (Heyder ex A.Dietr.) Backeb. ex Rausch, Lobivia: 36. 1975. Sec. Kiesling & al. (2014)**

- ≡ *Echinopsis maximiliana* Heyder ex A.Dietr. in Allg. Gartenzeitung 14: 250. 1846 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* var. *maximiliana* (Heyder ex A.Dietr.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 50. 1951 syn. sec. Rowley (1982)
- = *Echinopsis tricolor* A.Dietr. in Allg. Gartenzeitung 16: 210. 1848 syn. sec. Kiesling & al. (2014)
- = *Mammillaria corbula* Herrera in Rev. Univ. Cuzco 8: 61. 1919 syn. sec. Britton & Rose (1922) ≡ *Lobivia corbula* (Herrera) Britton & Rose, Cactaceae 3: 56, pl. 5, f. 2. 1922 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* var. *corbula* (Herrera) Rausch, Lobivia: 36. 1975 syn. sec. Kew WCVP (2019)
- = *Lobivia hermanniana* Backeb., Kaktus-ABC: 228, 413. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* var. *hermanniana* (Backeb.) Rausch, Lobivia: 36. 1975 syn. sec. Kiesling & al. (2014)
- = *Lobivia charazanensis* Cárdenas in Cactus (Paris) 57: 256. 1957 syn. sec. Schlumpberger (2021) ≡ *Lobivia maximiliana* var. *charazanensis* (Cárdenas) Rausch, Lobivia: 36. 1975 syn. sec. Schlumpberger (2021)
- = *Lobivia cariquinensis* Cárdenas in Cactus (Paris) 65: 181. 1959 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* f. *cariquinensis* (Cárdenas) J.Ullmann in Kaktusy (Brno) 28: 33. 1992
- = *Lobivia pseudocariquinensis* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 111, f. 67, 68. 1961 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* f. *pseudocariquinensis* (Cárdenas) J.Ullmann in Kaktusy (Brno) 28: 33. 1992
- = *Lobivia cruciaureispina* Knize in Biota 7(57): 253. 1968 syn. sec. Kew WCVP (2019)
- = *Lobivia sicuaniensis* Rausch in Succulenta (Netherlands) 50(12): 229. 1971 syn. sec. Korotkova (2021) ≡ *Lobivia maximiliana* var. *sicuaniensis* (Rausch) Rausch, Lobivia 85: 89. 1987 ["1985"] syn. sec. Kiesling & al. (2014)
- = *Lobivia intermedia* Rausch in Kakteen And. Sukk. 23(10): 263. 1972 syn. sec. Kew WCVP (2019) ≡ *Lobivia maximiliana* var. *intermedia* (Rausch) Rausch, Lobivia: 36. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia westii* var. *intermedia* (Rausch) F.Ritter, Kakteen Südamerika 4: 1330. 1981 syn. sec. Kew WCVP (2019)
- = *Lobivia caespitosa* var. *violacea* Rausch in Kakteen And. Sukk. 30(7): 161. 1979 syn. sec. Schlumpberger (2021) ≡ *Lobivia maximiliana* var. *violacea* (Rausch) Rausch, Lobivia 85: 88. 1987 ["1985"] syn. sec. Schlumpberger (2021)
- = *Lobivia maximiliana* var. *durispina* Rausch, Lobivia 85: 141, 88. 1987 ["1985"] syn. sec. Schlumpberger (2021)

***Lobivia maximiliana* subsp. *caespitosa* (J.A.Purpus) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44(4): 81. 1982. Sec. Kiesling & al. (2014)**

- ≡ *Echinopsis caespitosa* J.A.Purpus in Monatsschr. Kakteenk. 17: 120. 1917 syn. sec. Hunt (2016) ≡ *Lobivia caespitosa* (J.A.Purpus) Britton & Rose, Cactaceae 3: 53. 1922 syn. sec. Hunt (2016) ≡ *Lobivia maximiliana* var. *caespitosa* (J.A.Purpus) Rausch, Lobivia: 36. 1975 ≡ *Echinopsis maximiliana* subsp. *caespitosa* (J.A.Purpus) M.Lowry in Cactaceae Syst. Init. 16: 7. 2003 syn. sec. Hunt (2016)
- = *Lobivia miniatiflora* F.Ritter in Taxon 12: 124. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* var. *miniatiflora* (F.Ritter) Rausch, Lobivia: 36. 1975 syn. sec. Hunt (2016)

***Lobivia maximiliana* subsp. *maximiliana*. Sec. Kiesling & al. (2014)**

***Lobivia maximiliana* subsp. *westii* (Hutchison) Rausch ex G.D.Rowley in Cact. Succ. J. Gr. Brit. 44(4): 8. 1982. Sec. Hunt (2016)**

- ≡ *Lobivia westii* Hutchison in Cact. Succ. J. (Los Angeles) 26: 81. 1954 ≡ *Lobivia maximiliana* var. *westii* (Hutchison) Rausch, Lobivia: 36. 1975 syn. sec. Korotkova (2021) ≡ *Echinopsis maximiliana* subsp. *westii* (Hutchison) M.Lowry in Cactaceae Syst. Init. 16: 7. 2003 syn. sec. Hunt (2016)

***Lobivia minutiflora* (Rausch) Schlumpb. & M.Lowry in Cactaceae Syst. Init. 28: 30. 2012. Sec. Schlumpberger (2012)**

- ≡ *Echinopsis chrysochete* var. *minutiflora* Rausch in Kakteen And. Sukk. 28(4): 74. 1977 ≡ *Lobivia chrysochete* var. *minutiflora* Rausch in Kakteen And. Sukk. 28: 74. 1977 syn. sec. Korotkova (2021) ≡ *Echinopsis minutiflora* (Rausch) M.Lowry in Cactaceae Syst. Init. 39: 6. 2018

***Lobivia obrepanda* (Salm-Dyck) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012. Sec. Schlumpberger (2012)**

- ≡ *Echinocactus obrepandus* Salm-Dyck in Allg. Gartenzeitung 13: 386. 1845 syn. sec. Schlumpberger (2012) ≡ *Echinopsis obrepanda* (Salm-Dyck) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 184. 1894 ≡ *Echinopsis obrepandus* (Salm-Dyck) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 184. 1894 ≡ *Pseudolobivia obrepanda* Backeb. ex Krainz in Beitr. Sukkulantenk. Sukkulantenpflege 1942: 64. 1942 syn. sec. Tropicos ≡ *Echinopsis obrepanda* subsp. *obrepanda*
- = *Echinocactus misleyi* J.F.Cels, Portef. Hort. 1: 216. 1847 syn. sec. Britton & Rose (1922)
- = *Echinopsis cristata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 38. 1850 syn. sec. Schlumpberger (2021) ≡ *Cereus cristatus* (Salm-Dyck) Mottet, Dict. Prat. Hort. 1: 582. 1892–1893 syn. sec. Schlumpberger (2021)
- = *Echinopsis cristata* var. *purpurea* Hook. in Bot. Mag. 76: t. 4521. 1850 syn. sec. Britton & Rose (1922)

- = *Echinopsis misleyi* Labour., Monogr. Cact.: 291. 1853 syn. sec. Britton & Rose (1922)
- = *Echinopsis fiebrigii* Gürke in Notizbl. Königl. Bot. Gart. Berlin 4: 184. 1905 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia obrepanda* var. *fiebrigii* (Gürke) Backeb., Cactaceae 2: 1350. 1959 syn. sec. Kew WCVP (2019) ≡ *Echinopsis obrepanda* var. *fiebrigii* (Gürke) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974 syn. sec. Kew WCVP (2019)
- = *Pseudolobivia fiebrigii* Backeb. ex Krainz in Beitr. Sukkulenteenk. Sukkulentepflege 1942: 64. 1942 syn. sec. Kew WCVP (2019)
- = *Echinopsis rojasii* Cárdenas in Revista Agric. (Cochabamba) 7(6): 31. 1951 syn. sec. Kiesling & al. (2014) ≡ *Pseudolobivia rojasii* (Cárdenas) Backeb., Cactaceae 2: 1351. 1959 syn. sec. Tropicos ≡ *Lobivia rojasii* (Cárdenas) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012
- = *Echinopsis rojasii* var. *albiflora* Cárdenas in Revista Agric. (Cochabamba) 6: 33. 1951 syn. sec. Kew WCVP (2019) ≡ *Pseudolobivia rojasii* var. *albiflora* (Cárdenas) Backeb., Cactaceae 2: 1351. 1959
- = *Echinopsis roseoilacina* Cárdenas in Cactus (Paris) 57: 254. 1957 syn. sec. Hunt (2016)
- = *Echinopsis pseudomamillosa* Cárdenas in Cactus (Paris) 64: 164. 1959 syn. sec. Kiesling & al. (2014)
- = *Echinopsis toralapana* Cárdenas in Cactus (Paris) 82: 41. 1964 syn. sec. Kiesling & al. (2014) ≡ *Pseudolobivia toralapana* (Cárdenas) Backeb., Kakteenlex.: 374. 1966
- = *Echinopsis calliantholilacina* Cárdenas in Cactus (Paris) 85: 110. 1965 syn. sec. Kiesling & al. (2014) ≡ *Lobivia calliantholilacina* (Cárdenas) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013 syn. sec. Korotkova (2021)
- = *Echinopsis callichroma* Cárdenas in Kakteen And. Sukk. 16: 49. 1965 syn. sec. Kiesling & al. (2014) ≡ *Pseudolobivia callichroma* (Cárdenas) Backeb., Kakteenlex.: 372. 1966 syn. sec. Tropicos ≡ *Lobivia callichroma* (Cárdenas) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013 syn. sec. Korotkova (2021)
- = *Lobivia pojoensis* Rausch in Kakteen And. Sukk. 19: 8. 1968 syn. sec. Schlumpberger (2021) [is replaced synonym for *Echinopsis rauschii* H.Friedrich] ≡ *Echinopsis rauschii* H.Friedrich in Kakteen And. Sukk. 25(4): 83. 1974 syn. sec. Schlumpberger (2021) ≡ *Echinopsis ancistrophora* subsp. *pojoensis* (Rausch) Rausch, Lobivia: 140. 1975 syn. sec. Schlumpberger (2021) ≡ *Lobivia calorubra* var. *pojoensis* (Rausch) Rausch, Lobivia 85: 21. 1987 ["1985"] syn. sec. Schlumpberger (2021)
- = *Echinopsis mataranensis* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 184. 1970 syn. sec. Kiesling & al. (2014)
- = *Echinopsis riviere-de-caraltii* Cárdenas in Cact. Succ. J. (Los Angeles) 43: 242. 1971 syn. sec. Kiesling & al. (2014)
- = *Lobivia mizquensis* Rausch in Kakteen And. Sukk. 23(6): 151. 1972 syn. sec. Kew WCVP (2019) ≡ *Echinopsis obrepanda* var. *mizquensis* (Rausch) Rausch, Lobivia: 52. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia calorubra* var. *mizquensis* (Rausch) Rausch, Lobivia 85: 21. 1987 ["1985"]
- = *Lobivia aguilarii* R.Vásquez in Kakteen And. Sukk. 25(1): 1. 1974 syn. sec. Kew WCVP (2019)
- = *Echinopsis millarensis* Rausch, Echinopseen 6: 45. 2009 syn. sec. Kew WCVP (2019)
- = *Pseudolobivia carmineoflora* Hoffm. & Backeb. in Backeberg, Cactaceae 2: 1355. 1959 syn. sec. Tropicos – *Echinopsis carmineiflora* (Hoffm. & Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 82. 1974, nom. inval. syn. sec. Tropicos
- Lobivia pampana* Britton & Rose, Cactaceae 3: 56. 1922. Sec. Hunt (2016)**
- ≡ *Echinopsis pampana* (Britton & Rose) D.R.Hunt in Bradleya 9: 88. 1991 syn. sec. Hunt (2016)
- = *Echinopsis mistiensis* Werderm. & Backeb., Neue Kakteen: 84. 1931 syn. sec. Kew WCVP (2019) ≡ *Lobivia mistiensis* (Werderm. & Backeb.) Backeb. in Blätt. Kakteenf. 1934(12): 5. 1934 syn. sec. Kew WCVP (2019)
- = *Lobivia aureosenilis* Knize in Biota 7(57): 253. 1968 syn. sec. Kew WCVP (2019)
- = *Lobivia glaucescens* F.Ritter, Kakteen Südamerika 4: 1331. 1981 syn. sec. Kew WCVP (2019)
- Lobivia pamparuzii* (Cárdenas) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012. Sec. Schlumpberger (2012)**
- ≡ *Echinopsis pamparuzii* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 32. 1970 syn. sec. Schlumpberger (2012)
- Lobivia pentlandii* (Hook.) Britton & Rose, Cactaceae 3: 54. 1922. Sec. Hunt (2016)**
- ≡ *Echinocactus pentlandii* Hook. in Bot. Mag. 70: t. 4124. 1844 syn. sec. Britton & Rose (1922) ≡ *Echinopsis pentlandii* (Hook.) Salm-Dyck ex A.Dietr. in Allg. Gartenzeitung 14: 250. 1846 syn. sec. Britton & Rose (1922) ≡ *Cereus pentlandii* (Hook.) J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 495. 1862 ≡ *Echinocereus pentlandii* (Hook.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 185. 1894 syn. sec. Britton & Rose (1922) ≡ *Echinopsis pentlandii* subsp. *pentlandii*
- = *Echinopsis scheeri* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 179. 1850 syn. sec. Tropicos ≡ *Lobivia scheeri* (Salm-Dyck) Rausch in Kakteen And. Sukk. 43(9): 198. 1992 syn. sec. Tropicos – *Echinopsis scheerii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 39. 1850 syn. sec. TPL (2013) [is orthographic variant for *Echinopsis scheeri* Salm-Dyck]
- = *Echinopsis pentlandii* var. *laevior* Monv. ex Labour., Monogr. Cact.: 290. 1853
- = *Echinopsis tuberculata* Niedt in Allg. Gartenzeitung 25: 237. 1857 syn. sec. Kiesling & al. (2014)
- = *Echinopsis pentlandii* var. *gracilispina* Lem. in Ill. Hort. 6: t. 214. 1859 syn. sec. Britton & Rose (1922)
- = *Cereus pentlandii* var. *alboviolaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *aurantiacominiatus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *aurantiacus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *calendulaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *carmineus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *carneoviolaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 498. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *carneus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 497. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *carneus-marginatus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 498. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *coccineus-novus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 498. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *crocatius* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 498. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *crocinomiltus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 498. 1862 syn. sec. Kew WCVP (2019)

- = *Cereus pentlandii* var. *dolichacanthus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 499. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *elegans* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 499. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *elegans-vittatus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 499. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *flammeoviolaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 499. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *flammeus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 499. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *floribundus-sanguineus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *janthinus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *laevior* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *lateritius* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *lilacinus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *lilacinus-superbus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *longispinus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *luteoflammeus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 500. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *luteoviolaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 501. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *marginatus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 501. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *maximilianus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 501. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *miniocarmineus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 501. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *miniatoroseus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 574. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *miniatus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 501. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *pulchellus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *puniceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *pyracanthus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *rhodanthus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *rhodanthinus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *roseaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 575. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *roseocarneus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *roseovenosus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *roseovinosus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *roseus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *salmineoviolaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *salmoneus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 576. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *sanguineus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *scheeri* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *subflavus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *tardivus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *vinosus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *violaceomutabilis* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 578. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *violaceoroseus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 578. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *violaceus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 577. 1862 syn. sec. Kew WCVP (2019)
- = *Cereus pentlandii* var. *vitellinus* J.F.Cels in J. Soc. Imp. Centr. Hort. 8: 578. 1862 syn. sec. Kew WCVP (2019)
- = *Echinopsis pentlandii* var. *cavendishii* Rümpler, Handb. Cacteenk., ed. 2: 614. 1885 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *neuberti* Rümpler, Handb. Cacteenk., ed. 2: 613. 1885
- = *Echinopsis pentlandii* var. *longispina* Rümpler, Handb. Cacteenk., ed. 2, 2(16): 612. 1886 syn. sec. Britton & Rose (1922)
- = ?*Echinopsis pentlandii* var. *integra* Rud.Mey. in Monatsschr. Kakteenk. 7: 139. 1897 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *maximiliana* Heyder in Monatsschr. Kakteenk. 7: 52. 1897 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *ochroleuca* Rud.Mey. in Monatsschr. Kakteenk. 7: 54. 1897 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *vitellina* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 230. 1897 syn. sec. Britton & Rose (1922)
- = ?*Echinopsis pentlandii* var. *achatina* Fernald in Monatsschr. Kakteenk. 14: 168. 1904 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *tuberculata* (Niedt) Schelle, Handb. Kakteenkult.: 111. 1907
- = ?*Echinopsis achatina* Hitchc. in Monatsschr. Kakteenk. 20: 143. 1910 syn. sec. Britton & Rose (1922)
- = *Echinopsis cavendishii* Hortus in Monatsschr. Kakteenk. 20: 143. 1910 syn. sec. Britton & Rose (1922)
- = ?*Echinopsis ochroleuca* Miq. in Monatsschr. Kakteenk. 20: 143. 1910 syn. sec. Britton & Rose (1922)
- = *Echinopsis pentlandii* var. *albiflora* Weidlich in Gartenflora 69: 143. 1920
- = *Lobivia boliviensis* Britton & Rose, Cactaceae 3: 52, f. 67. 1922 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *boliviensis* (Britton & Rose) J.Ullmann in Kaktusy (Brno) 28: 32. 1992 syn. sec. Hunt (2016)
- = *Lobivia higginsiana* Backeb. in Kakteen-Freund 2(1): 31. 1933 syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *higginsiana* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia wegheiana* Backeb. in Cactus (Sint-Amansberg) 3(5): 8. 1933 syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *wegheiana* (Backeb.) J.Ullmann in Kaktusy (Brno) 28(2): 33. 1992 syn. sec. Schlumpberger (2021)
- = *Echinopsis hardeniana* Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 24. 1935 syn. sec. Kiesling & al. (2014) ≡ *Lobivia hardeniana* Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 24. 1935 syn. sec. Kiesling & al. (2014) ≡ *Lobivia rossii* var. *hardeniana* (Boed.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 52. 1951 ≡ *Lobivia pentlandii* var. *hardeniana* (Boed.) Rausch, *Lobivia*: 44. 1975 syn. sec. Hunt (2016) ≡ *Lobivia pentlandii* f. *hardeniana* (Boed.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis pentlandii* subsp. *hardeniana* (Boed.) G.Navarro in Lazaroa 17: 53. 1996 syn. sec. Kiesling & al. (2014)

- = *Lobivia argentea* Backeb., Kaktus-ABC: 227, 413. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *argentea* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 32. 1992
- = *Lobivia carminantha* Backeb., Kaktus-ABC: 228, 413. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *carminantha* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia johnsoniana* Backeb., Kaktus-ABC: 234. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *johnsoniana* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia leucorhodon* Backeb., Kaktus-ABC: 234, 414. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *leucorhodon* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia leucoviolacea* Backeb., Kaktus-ABC: 229, 413. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *leucoviolacea* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia raphidacantha* Backeb., Kaktus-ABC: 230, 413. 1936 ["1935"] syn. sec. Hunt (1999) ≡ *Lobivia raphidacantha* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Hunt (1999) ≡ *Lobivia pentlandii* f. *raphidacantha* (Backeb.) J.Ullmann in Kaktusy (Brno) 28: 32. 1992 syn. sec. Hunt (2016)
- = *Lobivia varians* Backeb., Kaktus-ABC: 230, 413. 1936 ["1935"] syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* f. *variens* (Backeb.) J.Ullmann in Kaktusy (Brno) 28(2): 33. 1992 syn. sec. Schlumpberger (2021)
- = *Lobivia varians* var. *croceantha* Backeb., Kaktus-ABC: 230, 413. 1936 ["1935"] syn. sec. Kiesling & al. (2014)
- = *Lobivia aculeata* Buining in Succulenta (Netherlands) 20: 80. 1941 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *aculeata* (Buining) J.Ullmann in Kaktusy (Brno) 28: 32. 1992
- = *Lobivia bruneo-rosea* Backeb., Descr. Cact. Nov. 1: 28. 1957 ["1956"] syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *bruneo-rosea* (Backeb.) J.Ullmann in Kaktusy (Brno) 26: 19. 1990
- = *Lobivia lauramarca* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 469. 1958 syn. sec. Kew WCVP (2019) ≡ *Lobivia maximiliana* var. *lauramarca* (Rauh & Backeb.) J.Ullmann in Kaktusy (Brno) 28: 33. 1992
- = *Lobivia aurantiaca* Backeb., Cactaceae 3: 1400. 1959 syn. sec. Kew WCVP (2019) ≡ *Lobivia pentlandii* f. *aurantiaca* (Backeb.) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Korotkova (2021)
- = *Lobivia titicacensis* Cárdenas in Cactus (Paris) 65: 183. 1959 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *titicacensis* (Cárdenas) J.Ullmann in Kaktusy 28(2): 32. 1992 syn. sec. Kiesling & al. (2014)
- = *Lobivia multicostata* Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Kew WCVP (2019)
- = *Lobivia lae* Cárdenas in Cact. Succ. J. (Los Angeles) 36: 24. 1964 syn. sec. Schlumpberger (2021) ≡ *Lobivia pentlandii* var. *lae* (Cárdenas) Rausch, Lobivia: 44. 1975 syn. sec. Schlumpberger (2021) ≡ *Lobivia backebergii* var. *lae* (Cárdenas) Rausch, Lobivia 85: 20. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis pentlandii* subsp. *lae* (Cárdenas) G.Navarro in Lazaroa 17: 53. 1996 syn. sec. Schlumpberger (2021)
- = *Lobivia omasuyana* Cárdenas in Kakteen And. Sukk. 16: 22. 1965 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pentlandii* f. *omasuyana* (Cárdenas) J.Ullmann in Kaktusy (Brno) 28: 32. 1992
- = *Lobivia pampana* var. *borealis* Rausch, Lobivia 85: 101. 1987 ["1985"] syn. sec. Kew WCVP (2019) ≡ *Lobivia scheeri* var. *borealis* (Rausch) Rausch in Kakteen And. Sukk. 43(9): 201. 1992 syn. sec. Tropicos
- = *Lobivia wegheiana* var. *leucantha* Backeb. syn. sec. Kiesling & al. (2014)
- Lobivia pugionacantha* (Rose & Boed.) Backeb., Kaktus-ABC: 235. 1936 ["1935"]]. Sec. Kiesling & al. (2014)**
- ≡ *Echinopsis pugionacantha* Rose & Boed. in Monatsschr. Deutsch. Kakteen-Ges. 3: 272. 1931 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis pugionacantha* subsp. *pugionacantha*
- = *Echinopsis boedekeriana* Harden in Jahrb. Deutsch. Kakteen-Ges. 1: 70. 1936 syn. sec. Kiesling & al. (2014) ≡ *Lobivia rossii* var. *boedekeriana* (Harden) Backeb. in Cact. Succ. J. (Los Angeles) 23: 52. 1951 ≡ *Lobivia boedekeriana* Harden ex Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 128. 1936 syn. sec. Kiesling & al. (2014) ≡ *Cinnabarinea boedekeriana* (Harden) F.Ritter, Kakteen Südamerika 2: 635. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia pugionacantha* var. *boedekeriana* (Harden) J.Ullmann in Kaktusy (Brno) 28(3): 59. 1992 syn. sec. Kiesling & al. (2014)
- = *Echinopsis stollenwerkiana* Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 59. 1936 syn. sec. Kiesling & al. (2014) ≡ *Lobivia stollenwerkiana* Boed. in Jahrb. Deutsch. Kakteen-Ges. 1: 144. 1936 syn. sec. Kiesling & al. (2014) ≡ *Lobivia rossii* var. *stollenwerkiana* (Boed.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 52. 1951 ≡ *Lobivia pugionacantha* var. *stollenwerkiana* (Boed.) J.Ullmann in Kaktusy (Brno) 28: 59. 1992
- = *Lobivia culpinensis* F.Ritter in Succulenta (Netherlands) 45: 83. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *culpinensis* (F.Ritter) Rausch, Lobivia: 84. 1975
- = *Lobivia cornuta* Rausch in Succulenta (Netherlands) 52(3): 42. 1972 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *cornuta* (Rausch) Rausch, Lobivia: 84. 1975
- = *Lobivia salitrensis* Rausch in Succulenta (Netherlands) 53(4): 62. 1974 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *salitrensis* (Rausch) Rausch, Lobivia: 84. 1975 syn. sec. Kiesling & al. (2014)
- = *Lobivia versicolor* Rausch in Kakteen And. Sukk. 25(8): 169. 1974 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *versicolor* (Rausch) Rausch, Lobivia: 84. 1975
- = *Lobivia adpressispina* F.Ritter, Kakteen Südamerika 2: 576. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *adpressispina* (F.Ritter) J.Ullmann in Kaktusy (Brno) 28: 59. 1992 syn. sec. Kiesling & al. (2014)
- = *Lobivia campicola* F.Ritter, Kakteen Südamerika 2: 576. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *campicola* (F.Ritter) J.Ullmann in Kaktusy (Brno) 28: 59. 1992
- = *Lobivia rossii* var. *bustilloensis* F.Ritter, Kakteen Südamerika 2: 579. 1980 syn. sec. Kiesling & al. (2014)
- = *Lobivia rossii* var. *sayariensis* F.Ritter, Kakteen Südamerika 2: 580. 1980 syn. sec. Kiesling & al. (2014)
- = *Lobivia pugionacantha* var. *corrugata* Rausch, Lobivia 85: 105, 143. 1987 ["1985"] syn. sec. Kew WCVP (2019)

- Lobivia pugionacantha* subsp. *haemantha* (Rausch) Guiggi in *Cactology* 3: 8. 2012.** Sec. Kiesling & al. (2014)
 ≡ *Lobivia pugionacantha* var. *haemantha* Rausch, *Lobivia* 85: 143, 108. 1987 ["1985"] syn. sec. Kiesling & al. (2014) ≡
Echinopsis pugionacantha subsp. *haemantha* (Rausch) M.Lowry in *Cactaceae Syst. Init.* 19: 12. 2005 syn. sec. Kiesling & al.
 (2014)
 = *Lobivia salitrensis* var. *flexuosa* Rausch in *Succulenta (Netherlands)* 53: 63. 1974 syn. sec. Kew WCVP (2019)
- Lobivia pugionacantha* subsp. *pugionacantha*.** Sec. Kiesling & al. (2014)
- Lobivia pugionacantha* subsp. *rossii* (Boed.) Guiggi in *Cactology* 3: 8. 2012.** Sec. Kiesling & al. (2014)
 ≡ *Echinopsis rossii* Boed. in *Kakteenkunde* 1933: 167. 1933 syn. sec. Kiesling & al. (2014) ≡ *Lobivia rossii* (Boed.) Boed. in
Kakteenkunde 1935: 236. 1935 syn. sec. Kiesling & al. (2014) ≡ *Lobivia pugionacantha* var. *rossii* (Boed.) Rausch, *Lobivia*:
 84. 1975 ≡ *Echinopsis pugionacantha* subsp. *rossii* (Boed.) G.Navarro in *Lazaroa* 17: 53. 1996 syn. sec. Kiesling & al. (2014)
- Lobivia rauschii* Zecher in *Succulenta (Netherlands)* 53(3): 42. 1974.** Sec. Kiesling & al. (2014)
 = *Echinopsis yuquina* D.R.Hunt in *Bradleya* 9: 88. 1991 syn. sec. Kiesling & al. (2014)
- Lobivia schieliana* Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"].** Sec. Kew WCVP (2019)
 ≡ *Lobivia backebergii* subsp. *schieliana* (Backeb.) Rausch, *Lobivia*: 178. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia*
backebergii var. *schieliana* (Backeb.) Rausch, *Lobivia*: 20. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia backebergii* subsp.
schieliana (Backeb.) Rausch ex G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 syn. sec. Kew WCVP (2019) ≡ *Echinopsis*
schieliana (Backeb.) D.R.Hunt in *Bradleya* 5: 92. 1987 syn. sec. Kiesling & al. (2014)
 = *Lobivia quiabayensis* Rausch in *Kakteen And. Sukk.* 19: 22. 1968 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana* subsp.
quiabayensis (Rausch) Rausch, *Lobivia*: 178. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia maximiliana* var. *quiabayensis*
 (Rausch) Rausch, *Lobivia*: 36. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia schieliana* var. *quiabayensis* (Rausch) Rausch,
Lobivia 85: 121. 1987 ["1985"]
 = *Lobivia leptacantha* Rausch in *Kakteen And. Sukk.* 23(8): 207. 1972 syn. sec. Kiesling & al. (2014) ≡ *Lobivia maximiliana*
 var. *leptacantha* (Rausch) Rausch, *Lobivia*: 36. 1975 syn. sec. Kew WCVP (2019) ≡ *Lobivia schieliana* var. *leptacantha*
 (Rausch) Rausch, *Lobivia* 85: 121. 1987 ["1985"] syn. sec. Kiesling & al. (2014)
- Lobivia schneideriana* Backeb. in *Blätt. Kakteenf.* 1937(12): 2, genus 57, sp. 30. 1937.** Sec. Kiesling & al. (2014)
 ≡ *Lobivia pentlandii* f. *schneideriana* (Backeb.) J.Ullmann in *Kaktusy (Brno)* 26: 19. 1990
- Lobivia subdenudata* (Cárdenas) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)
 ≡ *Echinopsis subdenudata* Cárdenas in *Cact. Succ. J. (Los Angeles)* 28: 71. 1956 syn. sec. Schlumpberger (2012)
- Lobivia taratensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 38: 141. 1966.** Sec. Kiesling & al. (2014)
 ≡ *Lobivia cinnabarina* subsp. *taratensis* (Cárdenas) G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 80. 1982 ≡ *Lobivia*
acanthoplegma f. *taratensis* (Cárdenas) J.Ullmann in *Kaktusy (Brno)* 28: 8. 1992 syn. sec. Kiesling & al. (2014)
 = *Pseudolobivia acanthoplegma* Backeb., *Cactaceae* 6: 3726. 1962 syn. sec. Kiesling & al. (2014) ≡ *Lobivia acanthoplegma*
 (Backeb.) Backeb., *Descr. Cact. Nov.* 3: 7. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subsp. *acanthoplegma*
 (Backeb.) Rausch, *Lobivia*: 178. 1975 ≡ *Lobivia cinnabarina* var. *acanthoplegma* (Backeb.) Rausch, *Lobivia*: 64. 1975 ≡
Cinnabarinea acanthoplegma (Backeb.) F.Ritter, *Kakteen Südamerika* 2: 635. 1980 syn. sec. Kiesling & al. (2014)
 = *Lobivia neocinnabarina* Backeb., *Descr. Cact. Nov.* 3: 7. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subvar.
neocinnabarina (Backeb.) Rausch, *Lobivia*: 64. 1975 ≡ *Lobivia acanthoplegma* f. *neocinnabarina* (Backeb.) J.Ullmann in
Kaktusy (Brno) 28: 9. 1992 syn. sec. Kiesling & al. (2014)
 = *Lobivia oligotricha* Cárdenas in *Cactus (Paris)* 78: 92. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* subvar.
oligotricha (Cárdenas) Rausch, *Lobivia*: 64. 1975 ≡ *Cinnabarinea oligotricha* (Cárdenas) F.Ritter, *Kakteen Südamerika* 2: 636.
 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cinnabarina* var. *oligotricha* (Cárdenas) Rausch ex G.D.Rowley in *Cact. Succ.*
J. Gr. Brit. 44: 80. 1982 ≡ *Lobivia acanthoplegma* var. *oligotricha* (Cárdenas) Gertel & R.Wahl in *Kakteen And. Sukk.* 55(1):
 13. 2004 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis oligotricha* (Cárdenas) M.Lowry in *Cactaceae Syst. Init.* 19: 12. 2005
 = *Lobivia pseudocinnabarina* Backeb., *Descr. Cact. Nov.* 3: 7. 1963 syn. sec. Kiesling & al. (2014) ≡ *Lobivia acanthoplegma* f.
pseudocinnabarina (Backeb.) J.Ullmann in *Kaktusy (Brno)* 28: 9. 1992
 = *Lobivia taratensis* var. *leucosiphus* Cárdenas in *Cact. Succ. J. (Los Angeles)* 38: 142. 1966 syn. sec. Kiesling & al. (2014)
 = *Lobivia acanthoplegma* var. *patula* Rausch in *Succulenta (Netherlands)* 53(8): 150. 1974 syn. sec. Kiesling & al. (2014) ≡
Lobivia acanthoplegma f. *patula* (Rausch) J.Ullmann in *Kaktusy (Brno)* 28: 8. 1992 syn. sec. Kiesling & al. (2014)
 = *Lobivia acanthoplegma* var. *roseiflora* Rausch in *Kakteen And. Sukk.* 28(4): 75. 1977 syn. sec. Kiesling & al. (2014)
 = *Cinnabarinea pseudocinnabarina* var. *microthelis* F.Ritter, *Kakteen Südamerika* 2: 636. 1980 syn. sec. Kiesling & al. (2014)
 = *Lobivia acanthoplegma* var. *pilosa* Rausch in *Kakteen And. Sukk.* 31(8): 243. 1980 syn. sec. Kiesling & al. (2014)
 = *Weingartia jarmilae* Halda & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 7: 40. 2000 syn. sec. Kiesling & al. (2014)
- Lobivia tegeleriana* Backeb. in *Jahrb. Deutsch. Kakteen-Ges.* 1: 82, fig. 1936.** Sec. Hunt (2016)
 ≡ *Acantholobivia tegeleriana* (Backeb.) Backeb. in *Cactaceae (Berlin)* 1941(2): 32. 1942 syn. sec. WFO 2019 ≡ *Acanthanthus*
tegelerianus (Backeb.) Y.Itô, *Cactaceae*: 355. 1981, nom. illeg. syn. sec. WFO 2019 ≡ *Echinopsis tegeleriana* (Backeb.)
 D.R.Hunt in *Bradleya* 5: 92. 1987 syn. sec. Hunt (2016)
 = *Lobivia incuiensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Acantholobivia*
incuiensis (Rauh & Backeb.) Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.* 1958(1): 478.
 1958 syn. sec. Tropicos ≡ *Lobivia tegeleriana* var. *incuiensis* (Rauh & Backeb.) Rausch, *Lobivia*: 8. 1975 syn. sec. Kew
 WCVP (2019)
 = *Lobivia ayacuchensis* Johnson & Y.Itô in *Illustr. of Flower Cacti.* 1967 syn. sec. Rausch (1987) ≡ *Acanthanthus ayacuchensis*
 (Johnson & Y.Itô) Y.Itô, *Cactaceae*: 355. 1981 syn. sec. WFO 2019

= *Lobivia akersii* Rausch in Kakteen And. Sukk. 24(2): 25. 1973 syn. sec. Kew WCVP (2019) ≡ *Lobivia tegeleriana* var. *akersii* (Rausch) Rausch, Lobivia: 8. 1975 syn. sec. Kew WCVP (2019)

= *Lobivia tegeleriana* var. *puquiensis* F.Ritter, Kakteen Südamerika 4: 1329. 1981 syn. sec. Kew WCVP (2019)

***Lobivia tiegeliana* Wessner in Beitr. Sukkulantenk. Sukkulantenpflege 1939: 49. 1939.** Sec. Kiesling & al. (2014)

≡ *Hymenorebutia tiegeliana* (Wessner) F.Ritter, Kakteen Südamerika 2: 586. 1980 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis tiegeliana* (Wessner) D.R.Hunt in Bradleya 9: 88. 1991 syn. sec. Kew WCVP (2019)

= *Lobivia graulichii* var. *cinnabarina* Frič in Kaktusář 2: 79. 1931 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* var. *cinnabarina* (Frič) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 81. 1982 syn. sec. Kiesling & al. (2014)

= *Lobivia peclardiana* Krainz in Sukkulantenkunde 2: 17. 1948 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* var. *peclardiana* (Krainz) Krainz, Kakteen 28: C Vc. 1964 syn. sec. Kiesling & al. (2014)

= *Lobivia peclardiana* var. *albiflora* Krainz in Sukkulantenkunde 2: 18. 1948 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* f. *albiflora* (Krainz) Krainz, Kakteen 28: C Vc. 1964 syn. sec. Kiesling & al. (2014)

= *Lobivia peclardiana* var. *winterae* Krainz in Sukkulantenkunde 2: 18. 1948 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* f. *winterae* (Krainz) Krainz, Kakteen 28: C Vc. 1964 syn. sec. Kiesling & al. (2014)

= *Lobivia tiegeliana* var. *distefanoiana* Cullmann & F.Ritter in Kakteen And. Sukk. 12: 7. 1961 syn. sec. Schlumpberger (2021) ≡ *Hymenorebutia tiegeliana* var. *distefanoiana* (Cullmann & F.Ritter) F.Ritter, Kakteen Südamerika 2: 587. 1980 syn. sec. Schlumpberger (2021) ≡ *Lobivia tiegeliana* f. *distefanoiana* (Cullmann & F.Ritter) J.Ullmann in Kaktusy (Brno) 28: 7. 1992 syn. sec. Schlumpberger (2021)

= *Lobivia tiegeliana* var. *ruberrima* Rausch in Succulenta (Netherlands) 51: 102. 1962 syn. sec. Kiesling & al. (2014) ≡ *Hymenorebutia tiegeliana* var. *ruberrima* (Rausch) F.Ritter, Kakteen Südamerika 2: 588. 1980

= *Lobivia pusilla* F.Ritter in Succulenta (Netherlands) 45: 85. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* var. *pusilla* (F.Ritter) Rausch, Lobivia: 92. 1975 syn. sec. Kiesling & al. (2014)

= *Lobivia pusilla* f. *flaviflora* F.Ritter in Succulenta (Netherlands) 45: 86. 1966 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* var. *flaviflora* (F.Ritter) Rausch, Lobivia: 92. 1975 syn. sec. Kiesling & al. (2014) ≡ *Hymenorebutia pusilla* f. *flaviflora* (F.Ritter) F.Ritter, Kakteen Südamerika 2: 589. 1980 syn. sec. Kiesling & al. (2014)

= *Mediolobivia hirsutissima* Cárdenas in Cact. Succ. J. (Los Angeles) 43(6): 244, f. 3. 1971 syn. sec. Kiesling & al. (2014)

= *Lobivia fricii* Rausch in Kakteen And. Sukk. 24(10): 220. 1973 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis fricii* (Rausch) H.Friedrich in Kakteen And. Sukk. 25: 83. 1974 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* var. *fricii* (Rausch) Rausch, Lobivia: 92. 1975 syn. sec. Kiesling & al. (2014)

= *Lobivia tiegeliana* var. *uriondoensis* Rausch in Succulenta (Netherlands) 58: 234. 1979 syn. sec. Schlumpberger (2021)

= *Hymenorebutia tiegeliana* var. *dimorphipetala* F.Ritter, Kakteen Südamerika 2: 588. 1980 syn. sec. Kiesling & al. (2014) ≡ *Lobivia tiegeliana* f. *dimorphipetala* (F.Ritter) J.Ullmann in Kaktusy 28(1): 7. 1992 syn. sec. Kew WCVP (2019)

= *Lobivia tiegeliana* var. *borealis* Diers & Jucker in Informationsbrief Zentr. Arbeitsgem. "Echinopseen" 12(2): 59. 2015 syn. sec. Kiesling & al. (2014)

***Lobivia tuberculosa* F.Ritter, Kakteen Südamerika 2: 582. 1980.** Sec. Kiesling & al. (2014)

***Lophocereus* (A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 426. 1909.** Sec. Arias & al. (2012)

Type: *Lophocereus schottii* (Engelm.) Britton & Rose

≡ *Cereus* subg. *Lophocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 62. 1905 syn. sec. Arias & al. (2012)

≡ *Pachycereus* sect. *Lophocereus* (A.Berger) P.V.Heath in Calyx 2: 106. 1992 syn. sec. Arias & al. (2012)

= *Marginatocereus* (Backeb.) Backeb. in Cactaceae (Berlin) 1941(2): 49, 77. 1942 syn. sec. Arias & al. (2012)

Notes. – **Phylogenetics:** *Lophocereus* (including *L. gates* and *L. schottii*) was strongly recognized as a separate genus, restricted to the Sonoran Desert, by e.g. Lindsay (1963) and Bravo-Hollis (1978). Comparative studies carried out by Gibson & Horak (1978) showed that those species share morphological and anatomical characteristics with *Pachycereus marginatus*. However, other taxonomists preferred to include this genus and others (e.g. *Backebergia*, *Lemaireocereus*, *Marginatocereus*, *Mitrocereus*, *Pterocereus*) in a broader genus *Pachycereus* (Barthlott & Hunt 1993; Hunt 2006). Phylogenetic studies based on structural (anatomy + morphology) and molecular data confirm that *Lophocereus* is monophyletic including three species (*L. marginatus* as sister to the remaining species). The genus represents a lineage within the subtribe *Pachycereinae* but is not directly related to *Pachycereus* s.str. or *Backebergia* (Hartmann & al. 2001, 2002; Arias & al. 2003; Arias & Terrazas 2006). A proposal to recognize this genus newly circumscribed (now going also beyond the Sonoran Desert) was conducted by Arias & al. (2012).

Lophocereus now includes taxa characterized by cylindrical stems with basal branching, an apical fertile zone with areoles, and spines larger than those of the sterile zone, and two or more flowers per areole. The flowering zone is conspicuously modified in all three species, although in *L. gatesii* and *L. schottii* internodes are shorter and spines are longer (Arias & Terrazas 2009; Arias & al. 2012). Structural changes in the fertile zone exist between several genera of *Pachycereinae*, including cephalium (e.g. *Backebergia*, *Cephalocereus* spp.), pseudocephalium (e.g. *Lophocereus*, *Neobuxbaumia* spp.) and intermediate forms. However, those structures are highly homoplastic and occur within several genera. [Hernández-Ledesma & al. (2015)]

***Lophocereus gatesii* M.E.Jones in Cact. Succ. J. (Los Angeles) 5: 546. 1934.** Sec. Arias & al. (2012)

≡ *Lophocereus schottii* var. *gatesii* (M.E.Jones) Borg, Cacti, ed. 2: 199. 1951 syn. sec. Kew WCVP (2019) ≡ *Pachycereus gatesii* (M.E.Jones) D.R.Hunt in Bradleya 9: 89. 1991 syn. sec. Arias & al. (2012)

***Lophocereus marginatus* (DC.) S.Arias & Terrazas in Syst. Bot. 34(1): 82. 2009.** Sec. Arias & al. (2012)

- ≡ *Cereus marginatus* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828 syn. sec. Arias & al. (2012) ≡ *Pachycereus marginatus* (DC.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 421. 1909 syn. sec. Arias & al. (2012) ≡ *Lemaireocereus marginatus* (DC.) A.Berger, Kakteen: 165. 1929 syn. sec. Arias & al. (2012) ≡ *Marginatocereus marginatus* (DC.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 77. 1942 syn. sec. Arias & al. (2012) ≡ *Stenocereus marginatus* (DC.) A.Berger & Buxb. in Bot. Stud. 12: 100. 1961 syn. sec. Arias & al. (2012)
- = *Cereus gemmatus* Otto in Allg. Gartenzeitung 3: 314. 1835 syn. sec. Kew WCVP (2019) ≡ *Echinopsis gemmata* (Otto ex Pfeiff.) K.Schum. in Martius, Fl. Bras. 4(2): 231. 1890 syn. sec. Kew WCVP (2019) ≡ *Pachycereus marginatus* var. *gemmatus* (Otto ex Pfeiff.) P.V.Heath in Calyx 2: 106. 1992 syn. sec. Korotkova (2021)
- = *Cereus cupulatus* Pfeiff., Enum. Diagn. Cact.: 97. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus gemmatus* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 96. 1837 syn. sec. Kew WCVP (2019) ≡ *Lemaireocereus marginatus* var. *gemmatus* (Zucc. ex Pfeiff.) W.T.Marshall in Marshall & Bock, Cactaceae: 81. 1941 syn. sec. Arias & al. (2012)
- = *Cereus incrustatus* Pfeiff., Enum. Diagn. Cact.: 97. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus mirbelii* Pfeiff., Enum. Diagn. Cact.: 97. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus incrustans* Steud., Nomencl. Bot., ed. 2, 1: 334. 1840 syn. sec. Kew WCVP (2019)
- = *Cereus marginatus* var. *cristatus* Benth. in Monatsschr. Kakteenk. 4: 194. 1894 syn. sec. Kew WCVP (2019)
- = *Cereus marginatus* var. *monstrosus* Aug.DC. in Monatsschr. Kakteenk. 19: 62. 1909 syn. sec. Kew WCVP (2019)
- = *Marginatocereus marginatus* var. *oaxacensis* Backeb., Descr. Cact. Nov. 3: 8. 1963 syn. sec. Kew WCVP (2019) ≡ *Pachycereus marginatus* var. *oaxacensis* (Backeb.) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Stenocereus marginatus* var. *gemmatus* Bravo in Cact. Suc. Mex. 19(2): 47. 1974 syn. sec. Tropicos
- = *Pachycereus pringlei* f. *gibbosus* P.V.Heath in Calyx 2: 107. 1992 syn. sec. Korotkova (2021) ≡ *Pachycereus gibbosus* (J.A.Purpus) P.V.Heath in Calyx 2(3): 107. 1992 syn. sec. Korotkova (2021) ≡ *Pachycereus marginatus* f. *gibbosus* (J.A.Purpus) P.V.Heath in Calyx 2: 106. 1992 syn. sec. Guzmán Cruz & al. (2003)

***Lophocereus schottii* (Engelm.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 427. 1909.** Sec. Arias & al. (2012)

- ≡ *Cereus schottii* Engelm., Syn. Cact. U. S.: 32. 1856 syn. sec. Arias & al. (2012) ≡ *Pilocereus schottii* (Engelm.) Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Parfitt & Gibson (2003) ≡ *Pachycereus schottii* (Engelm.) D.R.Hunt in Bradleya 5: 93. 1987 syn. sec. Arias & al. (2012) ≡ *Lophocereus schottii* var. *schottii*
- = *Cereus sargentianus* Orcutt in Gard. & Forest. 4: 436. 1891 syn. sec. Kew WCVP (2019) ≡ *Pilocereus sargentianus* Orcutt ex K.Schum. in Monatsschr. Kakteenk. 2: 76. 1892 syn. sec. Kew WCVP (2019) ≡ *Lophocereus sargentianus* (Orcutt) Britton & Rose in Contr. U.S. Natl. Herb. 12: 427. 1909 syn. sec. Arias & al. (2012) ≡ *Pilocereus schottii* var. *sargentianus* Schelle, Kakteen: 135. 1926 syn. sec. Tropicos ≡ *Lophocereus schottii* var. *sargentianus* (Orcutt) Borg, Cacti, ed. 1: 154. 1937 syn. sec. Korotkova (2021) ≡ *Pachycereus schottii* f. *sargentianus* (Orcutt) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus palmeri* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 1: 318. 1895 syn. sec. Tropicos
- = *Cereus palmeri* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 401. 1896 syn. sec. Tropicos
- = *Pilocereus schottii* var. *australis* K.Brandegee ex K.Schum., Gesamtbeschr. Kakt.: 64. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus schottii* var. *australis* K.Brandegee in Zoë 5: 4. 1900 syn. sec. Kew WCVP (2019) ≡ *Lophocereus australis* (K.Brandegee) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 427. 1909 syn. sec. Kew WCVP (2019) ≡ *Lophocereus schottii* var. *australis* (K.Brandegee) Borg, Cacti, ed. 1: 154. 1937 syn. sec. Arias & al. (2012) ≡ *Pachycereus australis* (K.Brandegee) P.V.Heath in Calyx 2(3): 107. 1992 syn. sec. Korotkova (2021) ≡ *Pachycereus schottii* var. *australis* (K.Brandegee) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus mieckleyanus* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 3: 189. 1931 syn. sec. Kew WCVP (2019) ≡ *Lophocereus mieckleyanus* Weing. ex Backeb. & F.M.Knuth, Kaktus-ABC: 326. 1936 ["1935"] syn. sec. Korotkova (2021) ≡ *Lemaireocereus mieckleyanus* (Weing.) Borg, Cacti, ed. 1: 126. 1937 syn. sec. Kew WCVP (2019) ≡ *Lophocereus mieckleyanus* (Weing.) Backeb., Cactaceae 4: 2285. 1960 syn. sec. Kew WCVP (2019) ≡ *Pachycereus schottii* f. *mieckleyanus* (Weing.) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Lophocereus schottii* f. *monstrosus* H.E.Gates in Cact. Succ. J. (Los Angeles) 3: 38. 1931 syn. sec. Arias & al. (2012) ≡ *Pachycereus schottii* f. *monstrosus* (H.E.Gates) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Lophocereus schottii* f. *mieckleyanus* G.E.Linds. in Cact. Succ. J. (Los Angeles) 35: 184. 1963 syn. sec. Arias & al. (2012)
- = *Lophocereus schottii* var. *tenuis* G.E.Linds. in Cact. Succ. J. (Los Angeles) 35: 187. 1963 syn. sec. Kew WCVP (2019) ≡ *Pachycereus schottii* var. *tenuis* (G.E.Linds.) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Lophocereus schottii* f. *spiralis* A.M.Carter in Cact. Suc. Mex. 11: 13. 1966 syn. sec. WFO 2019 ≡ *Pachycereus schottii* f. *spiralis* (A.M.Carter) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Guzmán Cruz & al. (2003)

***Lophophora* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 131. 1894.** Sec. Vázquez-Sánchez & al. (2013)

Type: *Lophophora williamsii* (Lem. ex Salm-Dyck) J.M.Coult.

= *Peyotl* F.Hern., Hist. Pl. Nov. Hisp. 3: 70. 1790 syn. sec. Vázquez-Sánchez & al. (2013)

Notes. – **Phylogenetics:** Butterworth & al. (2002) found *L. williamsii* as sister to *Obregonia* and *L. diffusa* (Croizat) Bravo as sister to *Acharagma*, yet both with only moderate support. In contrast, *Lophophora williamsii* and *L. diffusa* were resolved as sisters with moderate support in the study of Vázquez-Sánchez & al. (2013), who also found high support for the sister relationship of *Lophophora* and *Obregonia*, justifying generic rank for both. [Hernández-Ledesma & al. (2015)]; At present, about four species are known by combination of some characters such as papillae on the epidermis of the stem, the micromorphology of the seed, as well as the concentration of some alkaloids. A detailed population study (morphological, genomic) is required to circumscribe the species and their relationships. [Arias (2021)]

***Lophophora diffusa* (Croizat) Bravo in Cact. Suc. Mex. 12: 13. 1967.** Sec. Hunt (2016)

- ≡ *Lophophora echinata* var. *diffusa* Croizat in Desert Pl. Life 16: 44. 1944 syn. sec. Hunt (2006) ≡ *Lophophora williamsii* var. *diffusa* (Croizat) G.D.Rowley in Repert. Pl. Succ. 27: 7. 1979 ["1976"] syn. sec. Kew WCVP (2019) ≡ *Lophophora williamsii* subsp. *diffusa* (Croizat) Scheinvar, Fl. Cactológ. Est. Querétaro: 212. 2004 syn. sec. Kew WCVP (2019) ≡ *Lophophora diffusa* subsp. *diffusa*
- = *Lophophora diffusa* var. *koehresii* Řiha in Kaktusy (Brno) 32: 70. 1996 syn. sec. Hunt (2016) ≡ *Lophophora williamsii* var. *koehresii* (Řiha) Grym, Rod Lophophora: 55. 1997 syn. sec. Hunt (2016) ≡ *Lophophora koehresii* (Řiha) Bohata, Myšák & Šnicer in Kaktusy (Brno) Special 2: 20. 2005 syn. sec. Hunt (2016) ≡ *Peyotl koehresii* (Řiha) Sotom. syn. sec. Hunt (2016)
- = *Lophophora diffusa* subsp. *viridescens* Halda in Cactaceae (Bratislava) 7: 61. 1997 syn. sec. Hunt (2016) ≡ *Lophophora viridescens* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 4: 71. 1997 syn. sec. Hunt (2016) ≡ *Peyotl viridescens* (Halda) Sotom., Arred. & Mart.Mend. in Cactus & Co. 5: 227. 2001 syn. sec. Hunt (2016)
- = *Lophophora diffusa* subsp. *kubesa* Halda, Kupčák & Malina in Acta Mus. Richnov., Sect. Nat., 9: 66. 2002 syn. sec. Kew WCVP (2019)
- = *Lophophora diffusa* var. *swobodaiana* Halda, Kupčák & Malina in Acta Mus. Richnov., Sect. Nat., 9: 67. 2002 syn. sec. Kew WCVP (2019)
- *Peyotl diffusus* (Croizat) Sotom., nom. inval. syn. sec. Hunt (2016)

***Lophophora fricii* Haberm. in Kaktusy (Brno): 123. 1974.** Sec. Hunt (2016)

- ≡ *Lophophora diffusa* subsp. *fricii* (Haberm.) Halda in Cactaceae etc. 7: 61. 1997 syn. sec. Kew WCVP (2019) ≡ *Lophophora williamsii* var. *fricii* (Haberm.) Grym, Rod Lophophora: 56. 1997 syn. sec. Kew WCVP (2019) ≡ *Peyotl zacatensis* var. *fricii* (Haberm.) Sotom., Arred. & Mart.Mend. in Cactus & Co. 5: 228. 2001 syn. sec. Kew WCVP (2019)

***Lophophora williamsii* (Lem. ex Salm-Dyck) J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 131. 1894.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus williamsii* Lem. ex Salm-Dyck in Allg. Gartenzeitung 13: 385-386. 1845 syn. sec. Parfitt & Gibson (2003) ≡ *Anhalonium williamsii* (Lem. ex Salm-Dyck) C.F.Först., Handb. Cacteenk., ed. 2: 233. 1885 syn. sec. Parfitt & Gibson (2003) ≡ *Ariocarpus williamsii* (Lem. ex Salm-Dyck) Voss, Vilm. Blumengärtn., ed. 3: 368. 1907 syn. sec. Tropicos
- = *Anhalonium lewinii* Henn. in Gartenflora 37: 410. 1888 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Echinocactus lewinii* (Henn.) K.Schum. in Monatsschr. Kakteenk. 5: 11, 94. 1895 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Mammillaria lewinii* (Henn.) H.Karst., Deut. Fl., ed. 2, 2: 457. 1895 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Lophophora lewinii* (Henn.) C.H.Thomps. in Rep. (Annual) Missouri Bot. Gard. 9: 133. 1898 syn. sec. Vázquez-Sánchez & al. (2013) – *Echinocactus lewisii* (Henn.) K.Schum. in Monatsschr. Kakteenk. 5: 11. 1895 syn. sec. TPL (2013) [is misspelling for *Echinocactus lewinii* (Henn.) K.Schum.]
- = *Mammillaria williamsii* J.M.Coult. in Contr. U.S. Natl. Herb. 2: 129. 1891 syn. sec. Kew WCVP (2019)
- = *Lophophora williamsii* var. *lewinii* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 131. 1894 syn. sec. Kew WCVP (2019)
- = *Echinocactus williamsii* var. *anhaloninicus* K.Schum. in Bot. Jahrb. Syst. 24: 567. 1898 syn. sec. Kew WCVP (2019)
- = *Echinocactus williamsii* var. *pellotinicus* K.Schum. in Bot. Jahrb. Syst. 24(5): 567. 1898 syn. sec. Kew WCVP (2019)
- = ?*Echinocactus jourdanianus* Rebut ex Maass in Monatsschr. Kakteenk. 15: 122. 1905 syn. sec. Britton & Rose (1922)
- = *Echinocactus williamsii* var. *luteus* Rouhier in Trav. Lab. Matière Méd. Ecole Super. Pharm. Paris 17: 62. 1927 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Lophophora echinata* var. *lutea* (Rouhier) Croizat in Desert Pl. Life 16: 44. 1944 ≡ *Lophophora williamsii* var. *lutea* (Rouhier) Soulaire, Cact. Méd.: 121. 1948 syn. sec. Kew WCVP (2019) ≡ *Lophophora lutea* (Rouhier) Backeb., Cactaceae 5: 1901. 1961 syn. sec. Vázquez-Sánchez & al. (2013)
- = *Lophophora williamsii* var. *cristata* Houghton in J. Cact. Succ. Soc. Amer. 2: 490. 1931 syn. sec. Kew WCVP (2019)
- = *Lophophora williamsii* var. *texana* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 9. 1935 syn. sec. Kew WCVP (2019) ≡ *Lophophora lutea* var. *texana* (Frič ex Kreuz.) Backeb., Cactaceae 5: 2903. 1961
- = *Lophophora echinata* Croizat in Desert Pl. Life 16: 43. 1944 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Lophophora williamsii* var. *echinata* (Croizat) Bravo in Cact. Suc. Mex. 12: 12. 1967 syn. sec. Kew WCVP (2019)
- = *Lophophora williamsii* var. *decipiens* Croizat, Desert Pl. Life 16: 44. 1944 syn. sec. Kew WCVP (2019)
- = *Lophophora williamsii* var. *pentagona* Croizat in Desert Pl. Life 16: 44. 1944 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Lophophora pentagona* (Croizat) V.Gapon in Kaktus Klub 2004: 49. 2004 syn. sec. Vázquez-Sánchez & al. (2013)
- = *Lophophora williamsii* var. *pluricosata* Croizat in Desert Pl. Life 16: 8. 1944 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Lophophora pluricosata* (Croizat) V.Gapon in Kaktus Klub 2004: 49. 2004 syn. sec. Vázquez-Sánchez & al. (2013)
- = *Lophophora jourdaniana* Haberm. in Kaktusy (Brno) 11: 3. 1975 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Lophophora williamsii* subsp. *grymii* Halda, Kupčák & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 36. 2000 syn. sec. Kew WCVP (2019)
- = *Lophophora alberto-vojtechii* Bohata, Myšák & Šnicer in Cactus & Co. 12: 108. 2008 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- *Peyotl xochimilcensis* F.Hern., Hist. Pl. Nov. Hisp. 3: 70. 1790, nom. inval. syn. sec. Vázquez-Sánchez & al. (2013)
- *Lophophora williamsii* var. *typica* Croizat, Desert Pl. Life 16: 8. 1944, nom. inval. syn. sec. Kew WCVP (2019)
- *Lophophora williamsii* var. *heptagona* Y.Itô, Cactaceae: 467. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Lymanbensonia* Kimmach in Cact. Succ. J. (Los Angeles) 56: 101. 1984.** Sec. Korotkova & al. (2010)

Type: *Lymanbensonia micrantha* (Vaupel) Kimmach

= *Acanthorhopsalis* Kimmach in Cact. Succ. J. (Los Angeles) 55: 177. 1983, nom. illeg. syn. sec. Korotkova & al. (2010)

Notes. – **Phylogenetics:** Segregated from *Acanthorhopsalis* (Kimmach 1984), but otherwise either assigned to *Lepismium* (Barthlott 1987; Barthlott & Taylor 1995; Anderson 2001, 2005) or to *Pfeiffera* (Hunt 2006). The molecular phylogenetic study

of Korotkova & al. (2010) unexpectedly found the three species now assigned to *Lymanbensonia* to represent a highly supported isolated clade distant from either *Lepismium* or *Pfeiffera*. As this new clade contained the nomenclatural type of *Lymanbensonia*, this generic name was reinstated. [Hernández-Ledesma & al. (2015)]

***Lymanbensonia brevispina* (Barthlott) Barthlott & N.Korotkova in Willdenowia 40(2): 166. 2010.** Sec. Korotkova & al. (2010)

≡ *Lepismium brevispinum* Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis brevispina* (Barthlott) Kimmach in Cact. Succ. J. (Los Angeles) 68(3): 156. 1996 syn. sec. Korotkova & al. (2010) ≡ *Pfeiffera brevispina* D.R.Hunt in Cactaceae Syst. Init. 14: 18. 2002 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhopsalis brevispina* F.Ritter ex Doweld in Sukkulenty 4(1-2): 34. 2002 ["2001"], nom. illeg. syn. sec. Korotkova & al. (2010) – *Acanthorhopsalis brevispina* F.Ritter, Kakteen Südamerika 4: 1260. 1981, nom. inval. syn. sec. Korotkova & al. (2010) – *Pfeiffera brevispina* (F.Ritter) P.V.Heath in Calyx 4: 158. 1994, nom. inval. syn. sec. Korotkova & al. (2010)

= *Rhipsalis riocampanensis* Madsen & Z.Aguirre in Nordic J. Bot. 23(1): 26-29. 2004 syn. sec. Korotkova & al. (2010)

***Lymanbensonia choquequiransensis* P.Hoxey in Cact. Succ. J. (Los Angeles) 92(3): 233. 2020.** Sec. Hoxey (2020)

***Lymanbensonia crenata* (Britton) Doweld in Sukkulenty 4(1-2): 34. 2002 ["2001"].** Sec. Korotkova & al. (2010)

≡ *Hariota crenata* Britton in Bull. Torrey Bot. Club 18: 35. 1891 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhopsalis crenata* (Britton) Britton & Rose, Cactaceae 4: 212. 1923 syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis crenata* (Britton) Vaupel, Kakteen 2: 66. 1926 syn. sec. Korotkova & al. (2010) ≡ *Lepismium crenatum* (Britton) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010) ≡ *Pfeiffera crenata* (Britton) P.V.Heath in Calyx 4(4): 158. 1994 syn. sec. Korotkova & al. (2010)

= *Hariota cinerea* Britton in Bull. Torrey Bot. Club 18: 35. 1891 syn. sec. Korotkova & al. (2010)

***Lymanbensonia incachacana* (Cárdenas) Barthlott & N.Korotkova in Willdenowia 40(2): 167. 2010.** Sec. Korotkova & al. (2010)

≡ *Rhipsalis incachacana* Cárdenas in Cactus (Paris) 34: 125. 1952 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhopsalis incachacana* (Cárdenas) Volgin in Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 87(3): 83. 1982 syn. sec. Korotkova & al. (2010) ≡ *Lepismium incachacanum* (Cárdenas) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010)

***Lymanbensonia micrantha* (Vaupel) Kimmach in Cact. Succ. J. (Los Angeles) 56: 101. 1984.** Sec. Korotkova & al. (2010)

≡ *Cereus micranthus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 19. 1913 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhopsalis micrantha* (Vaupel) Britton & Rose, Cactaceae 4: 211. 1923 syn. sec. Korotkova & al. (2010) ≡ *Lepismium micranthum* (Vaupel) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010) ≡ *Pfeiffera micrantha* (Vaupel) P.V.Heath in Calyx 4(4): 158. 1994 syn. sec. Korotkova & al. (2010)

***Maihuenia* (Phil. ex F.A.C.Weber) K.Schum., Gesamtbeschr. Kakt.: 754. 1898.** Sec. Hunt (2006)

Type: *Maihuenia poeppigii* (Otto ex Pfeiff.) F.A.C.Weber ex K.Schum.

≡ *Pereskia* subg. *Maihuenia* Phil. ex F.A.C.Weber in Bois, Dict. Hort.: 938. 1898 syn. sec. Hunt (2006)

***Maihuenia patagonica* (Phil.) Britton & Rose, Cactaceae 1: 41. 1919.** Sec. Hunt (2006)

≡ *Opuntia patagonica* Phil. in Anales Univ. Chile 23: 464. 1863 syn. sec. Leuenberger (1997) ≡ *Opuntia patagonica* Phil. in Linnaea 33: 82. 1864 syn. sec. Tropicos ≡ *Maihuenia patagonica* (Phil.) Speg. in Anales Soc. Ci. Argent. 99: 85. 1925 syn. sec. Leuenberger (1997)

= *Maihuenia brachydelphys* K.Schum., Gesamtbeschr. Kakt.: 756. 1898 syn. sec. Leuenberger (1997) ≡ *Opuntia brachydelphys* (K.Schum.) K.Schum., Revis. Gen. Pl. 3(2): 107. 1898 syn. sec. Kew WCVP (2019)

= *Maihuenia tehuelches* Speg. in Anales Mus. Nac. Buenos Aires 7: 288. 1901 syn. sec. Leuenberger (1997)

= *Maihuenia valentini* Speg. in Anales Mus. Nac. Buenos Aires 7: 289. 1901 syn. sec. Leuenberger (1997) ≡ *Maihuenia valentini* Speg. in Anales Mus. Nac. Buenos Aires 7: 289. 1902 syn. sec. Kew WCVP (2019)

= *Maihuenia andicola* Comber, Field Notes Andes Exped. 1925-6 & 1926-7: 1. 1928 syn. sec. Leuenberger (1997)

= *Maihuenia albolanata* F.Ritter, Kakteen Südamerika 2: 377. 1980 syn. sec. Leuenberger (1997)

= *Maihuenia albolanata* f. *viridulispina* F.Ritter, Kakteen Südamerika 2: 378. 1980 syn. sec. Leuenberger (1997)

= *Maihuenia cumulata* F.Ritter, Kakteen Südamerika 2: 378. 1980 syn. sec. Leuenberger (1997)

= *Maihuenia latispina* F.Ritter, Kakteen Südamerika 2: 378. 1980 syn. sec. Leuenberger (1997)

***Maihuenia poeppigii* (Otto ex Pfeiff.) F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 754. 1898.** Sec. Hunt (2006)

≡ *Opuntia poeppigii* Otto ex Pfeiff., Enum. Diagn. Cact.: 174. 1837 syn. sec. Leuenberger (1997) ≡ *Pereskia poeppigii* (Otto ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 76, 252. 1850 syn. sec. Leuenberger (1997)

= *Opuntia caespitosa* Poepp., Reise Chile: 356. 1835, nom. illeg. syn. sec. Leuenberger (1997)

= *Opuntia maihuen* Gay, Fl. Chil. 3: 29. 1847 syn. sec. Leuenberger (1997)

= *Pereskia philippii* F.A.C.Weber in Bois, Dict. Hort.: 939. 1898 syn. sec. Leuenberger (1997) ≡ *Maihuenia philippii*

(F.A.C.Weber) K.Schum., Gesamtbeschr. Kakt.: 757. 1898 syn. sec. Leuenberger (1997) ≡ *Opuntia philippii* F.Haage & M.Schmidt ex Bois, Dict. Hort.: 939. 1898 syn. sec. Leuenberger (1997)

***Maihueniopsis* Speg. in Anales Soc. Ci. Argent. 99: 86. 1925.** Sec. Hunt (2016)

Type: *Maihueniopsis molfinoi* Speg.

= *Puna* R.Kiesling in Hickenia 1: 289. 1982 syn. sec. Hunt (2006). Type: *Puna clavarioides* (Otto ex Pfeiff.) R.Kiesling

≡ *Maihueniopsis* subg. *Puna* (R.Kiesling) Stuppy in Succ. Pl. Res. 6: 50. 2002 syn. sec. Hunt (2006). Type: *Opuntia clavarioides* Hort.Berol. ex Pfeiff.

Notes. – **Phylogenetics:** Griffith & Porter (2009) found *Maihueniopsis* polyphyletic based on a combined analysis of nuclear ITS and plastid *trnL-F*, but Ritz & al. (2012) found a monophyletic *Maihueniopsis* to be strongly supported by nuclear *phyC* and plastid *trnK/matK*. The reasons for these deviating results are discussed in detail by Ritz & al. (2012) and appear to result from peculiarities in the evolution of the ITS sequences used by Griffith & Porter that seem unsuitable to adequately represent phylogenetic relationships. [Hernández-Ledesma & al. (2015)]

***Maihueniopsis archiconoidea* F.Ritter, Kakteen Südamerika 3: 877. 1980.** Sec. Hunt (2016)

≡ *Opuntia archiconoidea* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016) ≡ *Tephrocactus archiconoideus* (F.Ritter) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Kew WCVP (2019)

***Maihueniopsis atacamensis* (Phil.) F.Ritter, Kakteen Südamerika 3: 872. 1980.** Sec. Hunt (2016)

≡ *Opuntia atacamensis* Phil., Fl. Atacam.: 24. 1860 syn. sec. Hunt (2006) ≡ *Tephrocactus atacamensis* (Phil.) Backeb., Kaktus-ABC: 108. 1936 ["1935"] syn. sec. Korotkova (2021)

***Maihueniopsis camachoi* (Espinosa) F.Ritter, Kakteen Südamerika 3: 873. 1980.** Sec. Hunt (2016)

≡ *Opuntia camachoi* Espinosa in Revista Chilena Hist. Nat. 37: 126. 1933 syn. sec. Hunt (2006) ≡ *Tephrocactus camachoi* (Espinosa) Backeb., Cactaceae 1: 306. 1958 syn. sec. Korotkova (2021)

***Maihueniopsis clavarioides* (Otto ex Pfeiff.) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 325. 1999.** Sec. Hunt (2016)

≡ *Opuntia clavarioides* Hort.Berol. ex Pfeiff., Enum. Diagn. Cact.: 173. 1837 syn. sec. Hunt (2006) ≡ *Austrocyliotropuntia clavarioides* (Otto ex Pfeiff.) Backeb. in Cactaceae (Berlin) 1941(2): 13. 1942 syn. sec. Hunt (2016) ≡ *Puna clavarioides* (Otto ex Pfeiff.) R.Kiesling in Hickenia 1(55): 291. 1982 syn. sec. Hunt (2016) ≡ *Cereus clavarioides* Pfeiff., Enum. Diagn. Cact.: 173. 1837 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia clavarioides* (Pfeiff.) F.M.Knuth, Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Tephrocactus clavarioides* (Pfeiff.) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Kew WCVP (2019)

= *Cereus sericeus* Pfeiff., Enum. Diagn. Cact.: 173. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia microthele* Pfeiff., Enum. Diagn. Cact.: 173. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia clavarioides* f. *cristata* Schelle, Handb. Kakteenkult.: 43. 1907 syn. sec. Kew WCVP (2019) ≡ *Puna clavarioides* f. *cristata* (Schelle) P.V.Heath in Calyx 5: 62. 1995 syn. sec. Kew WCVP (2019)

= *Opuntia ruiz-lealii* A.Cast. in Lilloa 9: 213. 1943 syn. sec. Kew WCVP (2019) ≡ *Austrocyliotropuntia clavarioides* var. *ruiz-lealii* (A.Cast.) Backeb., Cactaceae 1: 161. 1958 syn. sec. Hunt (2016) ≡ *Opuntia clavarioides* var. *ruiz-lealii* (A.Cast.) G.D.Rowley in Natl. Cact. Succ. J. 13: 25. 1958 syn. sec. Kew WCVP (2019)

– *Clavarioïdia clavarioides* f. *cristata* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 41. 1935, nom. inval. syn. sec. Kew WCVP (2019)

***Maihueniopsis colorea* (F.Ritter) F.Ritter, Kakteen Südamerika 3: 875. 1980.** Sec. Hunt (2016)

≡ *Tephrocactus coloreus* F.Ritter ex Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Hunt (2006) ≡ *Opuntia colorea* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016)

***Maihueniopsis conoidea* (F.Ritter ex Backeb.) F.Ritter, Kakteen Südamerika 3: 873. 1980.** Sec. Hunt (2016)

≡ *Opuntia conoidea* (F.Ritter ex Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 25. 1958 syn. sec. Hunt (2016) – *Tephrocactus conoideus* F.Ritter ex Backeb., Cactaceae 1: 286. 1958, nom. inval. syn. sec. Hunt (2006)

= ?*Opuntia tarapacana* Phil. in Anales Mus. Nac., Santiago de Chile 1: 27. 1891 syn. sec. Hunt (2016) ≡ *Tephrocactus tarapacanus* (Phil.) Backeb., Kaktus-ABC: 114. 1936 ["1935"] syn. sec. Hunt (2016) ≡ ?*Maihueniopsis tarapacana* (Phil.) F.Ritter, Kakteen Südamerika 3: 874. 1980 syn. sec. Hunt (2016)

= *Tephrocactus parvisetus* Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Kew WCVP (2019)

***Maihueniopsis crassispina* F.Ritter, Kakteen Südamerika 3: 879. 1980.** Sec. Hunt (2016)

≡ *Opuntia crassispina* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016)

***Maihueniopsis darwinii* (Hensl.) F.Ritter, Kakteen Südamerika 2: 389. 1980.** Sec. Hunt (2016)

≡ *Opuntia darwinii* Hensl. in Mag. Zool. Bot. 1: 466. 1837 syn. sec. Hunt (2006) ≡ *Tephrocactus darwinii* (Hensl.) Backeb., Kaktus-ABC: 113. 1936 ["1935"] syn. sec. Tropicos ≡ *Maihueniopsis darwinii* var. *darwinii*

= *Opuntia platyacantha* var. *deflexispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 245. 1850 syn. sec. Kew WCVP (2019) ≡ *Opuntia platyacantha* f. *deflexispina* (Salm-Dyck) Schelle, Kakteen: 58. 1926 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus platyacanthus* var. *deflexispinus* (Salm-Dyck) Backeb. in Cactus (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019)

= *Opuntia platyacantha* var. *monvillei* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 245. 1850 syn. sec. Kew WCVP (2019) ≡

Tephrocactus platyacanthus var. *monvillei* (Salm-Dyck) Backeb. in Cactus (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019)

= *Tephrocactus polyacanthus* Lem. ex C.F.Först., Handb. Cacteenk., ed. 2: 915. 1885 syn. sec. Kew WCVP (2019)

= *Opuntia neuquensis* Borg, Cacti, ed. 1: 67. 1937 syn. sec. Hunt (2016) ≡ *Tephrocactus neuquensis* (Borg) Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Hunt (2016) ≡ *Maihueniopsis neuquensis* (Borg) F.Ritter, Kakteen Südamerika 2: 399. 1980 syn. sec. Hunt (2016)

= *Tephrocactus platyacanthus* var. *angustispinus* Backeb., Descr. Cact. Nov. 1: 8. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Opuntia platyacantha* var. *angustispina* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Kew WCVP (2019)

= *Tephrocactus platyacanthus* var. *neoplatyacanthus* Backeb., Descr. Cact. Nov. 1: 8. 1957 ["1956"] syn. sec. Kew WCVP

(2019) ≡ *Opuntia platyacantha* var. *neoplatyacantha* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 6. 1958 syn. sec. Kew WCVP (2019)

***Maihueniopsis domeykoensis* F.Ritter, Kakteen Südamerika 3: 878. 1980.** Sec. Hunt (2016)

≡ *Opuntia domeykoensis* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016)

***Maihueniopsis glochidiata* G.J.Charles in *Cactaceae Syst. Init.* 25: 20. 2011. Sec. Hunt (2016)**

***Maihueniopsis glomerata* (Haw.) R.Kiesling in *Darwiniana* 25: 202. 1984. Sec. Hunt (2016)**

- ≡ *Opuntia glomerata* Haw. in *Philos. Mag. Ann. Chem.* 7: 111. 1830 ≡ *Tephrocactus glomeratus* (Haw.) Backeb. in *Cactus* (Paris) 38: 249. 1953
- = *Opuntia andicola* Pfeiff., *Enum. Diagn. Cact.*: 145. 1837 syn. sec. Kiesling & al. (2014) ≡ *Tephrocactus andicolus* (Pfeiff.) Lem., *Cactées*: 88. 1868 ≡ *Tephrocactus glomeratus* var. *andicola* (Pfeiff.) Backeb. in *Cactus* (Paris) 38: 249. 1953 ≡ *Tephrocactus neoglomeratus* var. *andicola* (Pfeiff.) Y.Itô, *Cactaceae*: 73. 1981 – *Tephrocactus andicola* (Pfeiff.) Lem., *Cactées*: 88. 1868 [is orthographic variant for *Tephrocactus andicolus* (Pfeiff.) Lem.]
- = *Opuntia gilliesii* Pfeiff., *Enum. Diagn. Cact.*: 102. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia andicola* var. *elongata* Lem., *Cact. Gen. Sp. Nov.*: 72. 1839 syn. sec. Kew WCVP (2019)
- = *Opuntia andicola* var. *major* Lem., *Cact. Gen. Sp. Nov.*: 72. 1839 syn. sec. Kew WCVP (2019)
- = *Opuntia ovallei* Gay, *Fl. Chil.* 3: 29. 1847 syn. sec. Hunt (2016) ≡ *Maihueniopsis ovallei* (Gay) F.Ritter, *Kakteen Südamerika* 3: 876. 1980 syn. sec. Hunt (2016)
- = *Opuntia platyacantha* var. *gracilior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 245. 1850 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus glomeratus* var. *gracilior* (Salm-Dyck) Backeb. in *Cactus* (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia glomerata* var. *gracilior* (Salm-Dyck) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019) – *Tephrocactus neoglomeratus* var. *gracilior* (Salm-Dyck) Y.Itô, *Cactaceae*: 74. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Opuntia diademata* var. *oligacantha* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 511. 1905 syn. sec. Britton & Rose (1919) ≡ *Tephrocactus glomeratus* var. *oligacanthus* Speg. in *Revista Argent. Bot.* 1: 201. 1926 syn. sec. Kew WCVP (2019) ≡ *Opuntia glomerata* f. *oligacantha* (Speg.) Castell. in *Lilloa* 23: 11. 1950 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus articulatus* var. *oligacanthus* (Speg.) Backeb. in *Cactus* (Paris) 38: 249. 1953 ≡ *Opuntia glomerata* var. *oligacantha* (Speg.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia russellii* Britton & Rose, *Cactaceae* 1: 94–5, f. 111. 1919 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus russellii* (Britton & Rose) Backeb. in *Cactus* (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019)
- = *Opuntia wetmorei* Britton & Rose, *Cactaceae* 4: 255. 1923 syn. sec. Hunt (2016)
- = *Tephrocactus chilensis* Backeb. in *Cactus* (Paris) 38: 250. 1953 syn. sec. Hunt (2016) ≡ *Opuntia chilensis* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus atacamensis* var. *chilensis* (Backeb.) Backeb., *Cactaceae* 1: 340. 1958 syn. sec. Kew WCVP (2019)
- = *Tephrocactus glomeratus* var. *atratispinus* Backeb., *Descr. Cact. Nov.* 3: 14. 1963 syn. sec. Kew WCVP (2019) – *Tephrocactus neoglomeratus* var. *atratispinus* (Backeb.) Y.Itô, *Cactaceae*: 73. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Tephrocactus glomeratus* var. *longispinus* Backeb., *Descr. Cact. Nov.* 3: 14. 1963 syn. sec. Kew WCVP (2019) – *Tephrocactus neoglomeratus* var. *longispinus* (Backeb.) Y.Itô, *Cactaceae*: 74. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Maihueniopsis grandiflora* F.Ritter, *Kakteen Südamerika* 3: 877. 1980. Sec. Hunt (2016)**

= *Opuntia llanos-de-huanta* D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Hunt (2016)

***Maihueniopsis hickenii* (Britton & Rose) D.R.Hunt in *Cactaceae Syst. Init.* 25: 21. 2011. Sec. Hunt (2016)**

- ≡ *Opuntia hickenii* Britton & Rose, *Cactaceae* 1: 93. 1919 syn. sec. Hunt (2011) ≡ *Tephrocactus hickenii* (Britton & Rose) Speg. in *Revista Argent. Bot.* 1: 216. 1926 syn. sec. Hunt (2016) ≡ *Maihueniopsis darwinii* var. *hickenii* (Britton & Rose) R.Kiesling in *Darwiniana* 25(1–4): 201. 1984 syn. sec. Hunt (2016) ≡ *Opuntia darwinii* var. *hickenii* (Britton & Rose) Kiesling, *Tephrocactus* u. and. *Feigenkakt.*: 100. 2000 syn. sec. Kew WCVP (2019)
- = *Opuntia pelaguensis* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 71. 1850 syn. sec. Kew WCVP (2019)

***Maihueniopsis leoncito* (Werderm.) F.Ritter ex P.C.Guerrero & Helmut Walter in *Phytotaxa* 392(1): 90. 2019. Sec. Guerrero & Walter (2019)**

- ≡ *Opuntia leoncito* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 10(97): 752. 1929 syn. sec. Guerrero & Walter (2019) ≡ *Tephrocactus leoncito* (Werderm.) Backeb. in *Jahrb. Deutsch. Kakteen-Ges.* 1944: 43. 1944 – *Maihueniopsis leoncito* (Werderm.) F.Ritter, *Kakteen Südamerika* 3: 875. 1980, nom. inval. syn. sec. Guerrero & Walter (2019)

***Maihueniopsis minuta* (Backeb.) R.Kiesling in *Darwiniana* 25: 204. 1984. Sec. Hunt (2016)**

- ≡ *Tephrocactus minutus* Backeb., *Kaktus-ABC*: 110, 410. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Opuntia minuta* (Backeb.) A.Cast. in *Lilloa* 23: 12. 1950 syn. sec. Hunt (2016) ≡ *Opuntia mininuta* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 6. 1958 syn. sec. IPNI
- = *Tephrocactus mandragora* Backeb. in *Cactus* (Paris) 38: 250. 1953 syn. sec. Hunt (2016) ≡ *Opuntia mandragora* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 6. 1958, comb. illeg. syn. sec. Hunt (2016) ≡ ?*Maihueniopsis mandragora* (Backeb.) F.Ritter, *Kakteen Südamerika* 2: 389. 1980 syn. sec. Hunt (2016)

***Maihueniopsis molfinoi* Speg. in *Anales Soc. Ci. Argent.* 99: 86. 1925. Sec. Ritz & al. (2012)**

- ≡ *Opuntia molfinoi* (Speg.) Werderm. in *Repert. Spec. Nov. Regni Veg.* 30: 59. 1932 syn. sec. Ritz & al. (2012)
- = *Opuntia hypogaea* Werderm. in *Backeberg, Neue Kakteen*: 64. 1931 syn. sec. Ritz & al. (2012) ≡ *Tephrocactus hypogaeus* (Werderm.) Backeb., *Kaktus-ABC*: 110. 1936 ["1935"] syn. sec. Ritz & al. (2012) ≡ *Maihueniopsis hypogaea* (Werderm.) F.Ritter, *Kakteen Südamerika* 2: 386. 1980 syn. sec. Ritz & al. (2012) ≡ *Maihueniopsis glomerata* subsp. *hypogaea* (Werderm.) G.J.Charles in *Bradleya* 26: 71. 2008 syn. sec. Kew WCVP (2019)
- = *Maihueniopsis leptoclada* F.Ritter, *Kakteen Südamerika* 2: 388. 1980 syn. sec. Kew WCVP (2019)

***Maihueniopsis ovata* (Pfeiff.) F.Ritter, Kakteen Südamerika 2: 399. 1980.** Sec. Hunt (2016)

- ≡ *Opuntia ovata* Pfeiff., Enum. Diagn. Cact.: 144. 1837 syn. sec. Hunt (2006) ≡ *Tephrocactus ovatus* (Pfeiff.) Backeb., Kaktus-ABC: 113. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Tephrocactus articulatus* var. *ovatus* (Pfeiff.) Backeb. in Cactus (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019)
- = *Opuntia ovoides* Lem., Cact. Gen. Sp. Nov.: 73. 1839 syn. sec. Kew WCVP (2019)
- = *Opuntia grata* Phil. in Linnaea 30: 211. 1859 syn. sec. Kew WCVP (2019)
- = *Opuntia monticola* Phil. in Linnaea 33: 82. 1864 syn. sec. Kew WCVP (2019)
- = *Opuntia grata* var. *leonina* Schelle, Handb. Kakteenkult.: 46. 1907 syn. sec. Kew WCVP (2019)
- = *Maihueniopsis ovata* f. *calva* F.Ritter, Kakteen Südamerika 2: 389. 1980 syn. sec. Kew WCVP (2019)

***Maihueniopsis platyacantha* (Pfeiff.) D.R.Hunt in Cactaceae Syst. Init. 25: 24. 2011.** Sec. Hunt (2016)

- ≡ *Opuntia platyacantha* Hort.Dyck. ex Pfeiff. in Allg. Gartenzeitung 5: 371. 1837 syn. sec. Hunt (2011) ≡ *Tephrocactus platyacanthus* (Pfeiff.) Lem., Cactées: 88. 1868 syn. sec. Kew WCVP (2019)
- = *Opuntia alpina* Gillies ex Pfeiff., Enum. Diagn. Cact.: 146. 1837 syn. sec. Kew WCVP (2019)
- = *Maihueniopsis albomarginata* F.Ritter, Kakteen Südamerika 2: 389. 1980 syn. sec. Hunt (2016)

***Maihueniopsis reicheana* (Espinosa) D.R.Hunt in Cactaceae Syst. Init. 34: 15. 2016.** Sec. Hunt (2016)

- ≡ *Opuntia reicheana* Espinosa in Bol. Mus. Nac. Hist. Nat. Santiago de Chile 18: 31. 1940 syn. sec. Hunt (2016) ≡ *Tephrocactus reicheanus* (Espinosa) Backeb., Cactaceae 1: 284. 1958 syn. sec. Hunt (2016)

***Maihueniopsis wagenknechtii* F.Ritter, Kakteen Südamerika 3: 878. 1980.** Sec. Hunt (2016)

- ≡ *Opuntia wagenknechtii* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997 syn. sec. Hunt (2016)

***Mammillaria* Haw., Syn. Pl. Succ.: 177. 1812, nom. cons.** Sec. Hunt (2016)

Type: *Mammillaria simplex* Haw.

- ≡ *Neomammillaria* Britton & Rose, Cactaceae 4: 65. 1923 syn. sec. Hunt (2016)
- = *Mammillaria* subg. *Dolichothele* K.Schum., Gesamtbeschr. Kakt.: 506. 1898 syn. sec. Hunt (2006)
- ≡ *Dolichothele* (K.Schum.) Britton & Rose, Cactaceae 4: 61. 1923 syn. sec. Hunt (2006). Type: *Dolichothele longimamma* (DC.) Britton & Rose
- = *Mammariella* Shafer in Bull. New York Bot. Gard. 13: 139. 1913 syn. sec. Kew WCVP (2019)
- = *Bartschella* Britton & Rose, Cactaceae 4: 57. 1923 syn. sec. Hunt (2006). Type: *Bartschella schumannii* (Hildm.) Britton & Rose
- = *Mamillopsis* Britton & Rose, Cactaceae 4: 19. 1923 syn. sec. Hunt (2006). Type: *Mamillopsis senilis* (Lodd. ex Salm-Dyck) F.A.C.Weber ex Britton & Rose
- = *Phellosperma* Britton & Rose, Cactaceae 4: 60. 1923 syn. sec. Hunt (2006). Type: *Phellosperma tetrancistra* (Engelm.) Britton & Rose
- = *Solisia* Britton & Rose, Cactaceae 4: 64. 1923 syn. sec. Hunt (2006). Type: *Solisia pectinata* (Stein) Britton & Rose
- = *Lotomammillaria* Frič in Českoslov. Zahradn. Listy 1924: 133. 1924 syn. sec. Kew WCVP (2019)
- = *Haagea* Frič in Život v Přir. 29: 36–37. 1925, nom. illeg. syn. sec. Kew WCVP (2019)
- = *Chilita* Orcutt in Cactography 2. 1926 syn. sec. Hunt (2006). Type: *Chilita grahamii* Orcutt
- = *Porfiria* Boed. in Z. Sukkulantenk. 2(13). 1926 syn. sec. Hunt (2006). Type: *Porfiria coahuilensis* Boed.
- = *Krainzia* Backeb. in Blätt. Kakteenf. 1938(6): 11, 22, genus 174. 1938 syn. sec. Hunt (2006). Type: *Krainzia longiflora* (Britton & Rose) Backeb.
- = *Ebnerella* Buxb. in Oesterr. Bot. Z. 98: 88. 1951 syn. sec. Kew WCVP (2019)
- = *Leptocladia* Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Kew WCVP (2019)
- = *Mammilloidia* Buxb. in Oesterr. Bot. Z. 98: 64. 1951 syn. sec. Hunt (2006). Type: *Mammilloidia candida* (Scheidw.) Buxb.
- = *Oehmea* Buxb. in Sukkulantenkunde 4: 17. 1951 syn. sec. Hunt (2006). Type: *Oehmea nelsonii* (Britton & Rose) Buxb.
- = *Pseudomammillaria* Buxb. in Oesterr. Bot. Z. 98: 84. 1951 syn. sec. Hunt (2006). Type: *Pseudomammillaria camptotricha* (Dams) Buxb.
- = *Leptocladodia* Buxb. in Oesterr. Bot. Z. 101. 1954 syn. sec. Hunt (2006). Type: *Leptocladodia elongata* (DC.) Buxb.
- = *Escobariopsis* Doweld in Sukkulenty 3(1-2): 23. 2000 syn. sec. Hunt (2006). Type: *Escobariopsis prolifera* (Mill.) Doweld – *Cactus* L., Sp. Pl.: 466. 1753, nom. rej. syn. sec. Hunt (2006). Type: *Cactus mammillaris* L.

Notes. – **Phylogenetics:** *Mammillaria* is the largest genus within *Cactaceae*, and numerous suggestions for infrageneric entities have been proposed, often then segregated as different genera; the different taxonomic concepts were summarized by Butterworth & Wallace (2004). Although several phylogenetic studies dealing with the genus and allies have been published, there are still many uncertainties that result from insufficient phylogenetic resolution and support.

Mammillaria was studied in detail using data from the plastid *rpl16* intron and *psbA-trnH* intergenic spacer by Butterworth & Wallace (2004), who sampled about 4/5 of the accepted species, and Bárcenas & al. (2011) for *trnK/matK* compiled an even more extensive sampling.

Mammillaria was also included in the phylogenetic studies of the tribe *Cactaeae* by Butterworth & al. (2002) and Vázquez-Sánchez & al. (2013), though with much fewer species sampled.

The first sequence data already hinted to a non-monophyly of *Mammillaria* (Butterworth & al. 2002), yet without support. The results of Butterworth & Wallace (2004), based on a detailed sampling, again suggested polyphyly of *Mammillaria*. The genera *Peleciphora*, *Coryphantha*, *Escobaria*, *Ortegocactus*, *Mammilloidia* and *Neolloydia* were found nested in a maximally supported *Mammillaria* s.l. clade. Bárcenas & al. (2011) did not find sufficient support a monophyletic *Mammillaria*, and *Coryphantha* (likewise polyphyletic), *Ortegocactus* and *Escobaria* were nested in different *Mammillaria* clades. Vázquez-

Sánchez & al. (2013) found that *Mammillaria* and *Coryphantha* could be separate clades, yet *Mammillaria* was supported as monophyletic only in the parsimony tree (61% BS/78% JK) but not found as monophyletic by Bayesian Inference. A clade of *Coryphantha* incl. *Neolloydia* was maximally supported in the parsimony and Bayesian trees, but *C. macromeris* (Engelm.) Lem. fell outside that clade, suggesting that *Coryphantha* is likewise polyphyletic. *Escobaria* was found polyphyletic as well (Vázquez-Sánchez & al. 2013), but only few species have been sampled. The results of Vázquez-Sánchez & al. (2013) also did provide some insights on generic limits in the whole assemblage, as well as taxonomic changes by segregating *Cochemiea* from *Mammillaria*, and *Cumarinia* from *Coryphantha*.

Mammilloidya was found nested in *Mammillaria* (Butterworth & al. 2002; Butterworth & Wallace 2004; Bárcenas & al. 2011; Vázquez-Sánchez & al. 2013) and all authors argue *Mammilloidya* should therefore no longer be recognized at generic rank. The *Mammillaria* assemblage therefore remains one of the *Cactaceae* groups that need further detailed study. Some nodes were so far weakly supported, and final conclusions regarding the monophyly and generic limits of *Mammillaria* must await a more extensive sampling, especially for *Coryphantha* and *Escobaria*, until firm taxonomic and nomenclatural conclusions are possible. [Hernández-Ledesma & al. (2015)]

***Mammillaria albicoma* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 241. 1929.** Sec. Hernández & Gómez-Hinostrosa (2015)

≡ *Escobariopsis albicoma* (Boed.) Doweld in Sukkulenty 3: 39. 2000

***Mammillaria albiflora* (Werderm.) Backeb. in Blätt. Kakteenf. 1937(2): 3, genus 131, sp. 7. 1937.** Sec. Hunt (2016)

≡ *Mammillaria herrerae* var. *albiflora* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 277. 1931 syn. sec. Hunt (2016) ≡ *Escobariopsis albiflora* (Werderm.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Hunt (2016) – *Neomammillaria herrerae* var. *albiflora* (Werderm.) Y.Itô, Cactaceae: 569. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria albilanata* Backeb. in Kakteenkunde: 47. 1939.** Sec. Hunt (2016)

≡ *Neomammillaria albilanata* (Backeb.) Y.Itô, Cactaceae: 573. 1981 syn. sec. Korotkova (2021)

= *Mammillaria halhingeri* Boed. in Kakteenkunde 1933: 9. 1933 syn. sec. Tropicos

= *Mammillaria igualensis* var. *palmillensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 125. 1987 syn. sec. Kew WCVP (2019)

= *Mammillaria lanigera* var. *juxtlahuacensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 118. 1987 syn. sec. Kew WCVP (2019)

= *Mammillaria igualensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 123. 1989 syn. sec. Hunt (2016)

= *Mammillaria lanigera* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 116. 1989 syn. sec. Hunt (2016)

***Mammillaria albilanata* subsp. *albilanata*.** Sec. Hunt (2016)

= *Mammillaria fuauxiana* Backeb. in Fuaux Herb. Bull. 1(4): 53. 1950 syn. sec. Hunt (2016) ≡ *Neomammillaria fuauxiana* (Backeb.) Y.Itô, Cactaceae: 574. 1981 syn. sec. Korotkova (2021)

***Mammillaria albilanata* subsp. *oaxacana* D.R.Hunt, *Mammillaria* Postscripts 6: 9. 1997.** Sec. Hunt (2016)

= *Mammillaria ignota* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 126–128. 1987 syn. sec. Hunt (2016)

= *Mammillaria monticola* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 115. 1989 syn. sec. Hunt (2016)

= *Mammillaria noureddineana* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 128. 1989 syn. sec. Tropicos

***Mammillaria albilanata* subsp. *reppenhagenii* (D.R.Hunt) D.R.Hunt, *Mammillaria* Postscripts 6: 9. 1997.** Sec. Hunt (2016)

≡ *Mammillaria reppenhagenii* D.R.Hunt in Kakteen And. Sukk. 28(6): 120–130. 1977 syn. sec. Hunt (2016)

***Mammillaria albilanata* subsp. *tegelbergiana* (H.E.Gates ex G.E.Linds.) D.R.Hunt, *Mammillaria* Postscripts 6: 9. 1997.** Sec. Hunt (2016)

≡ *Mammillaria tegelbergiana* H.E.Gates ex G.E.Linds. in Cact. Succ. J. (Los Angeles) 38(6): 196–197. 1966 syn. sec. Hunt (2016) ≡ *Neomammillaria tegelbergiana* (H.E.Gates) Y.Itô, Cactaceae: 580. 1981 syn. sec. Korotkova (2021)

***Mammillaria anniana* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 53: 79. 1981.** Sec. Hunt (2016)

***Mammillaria aureilanata* Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1938: 13. 1938.** Sec. Hunt (2016)

≡ *Ebnerella aureilanata* (Backeb.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita aureilanata* (Backeb.) Buxb. in Sukkulantenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria aureilanata* (Backeb.) Y.Itô, Cactaceae: 568. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis aureilanata* (Backeb.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

= *Melocactus mammillariaeformis* Salm-Dyck in Allg. Gartenzeitung 4(19): 148. 1836 syn. sec. Britton & Rose (1923)

= *Mammillaria cephalophora* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 137. 1845 syn. sec. Tropicos ≡ *Cactus cephalophorus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Echinocactus cephalophorus* Poselg. in Allg. Gartenzeitung 21: 102. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria aureilanata* var. *alba* Fritz Schwarz in Blätt. Sukkulantenk.: 5. 1949 syn. sec. Kew WCVP (2019) ≡ *Mammillaria aureilanata* f. *alba* (Fritz Schwarz) Glass, Guía Identific. Cact. Amenazadas México: s.p. 1997 ["1998"] syn. sec. Kew WCVP (2019)

***Mammillaria backebergiana* F.G.Buchenau in Natl. Cact. Succ. J. 21: 47. 1966.** Sec. Hunt (2016)

= *Chilita fertilis* Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)

***Mammillaria backebergiana* subsp. *backebergiana*. Sec. Hunt (2016)**

= *Mammillaria fertilis* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 503. 1898 syn. sec. Tropicos ≡ *Neomammillaria fertilis* (Hildm. ex K.Schum.) Britton & Rose, Cactaceae 4: 131. 1923 syn. sec. Tropicos

***Mammillaria backebergiana* subsp. *ernestii* (Fittkau) D.R.Hunt, *Mammillaria* Postscripts 6: 8. 1997. Sec. Hunt (2016)**

≡ *Mammillaria ernestii* Fittkau in Cact. Suc. Mex. 16(2): 36. 1971 syn. sec. Hunt (2016) ≡ *Mammillaria backebergiana* var. *ernestii* (Fittkau) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 51: 126. 1979 syn. sec. Tropicos

= *Mammillaria isotensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 78. 1989 syn. sec. Hunt (2016)

***Mammillaria baumii* Boed. in *Z. Sukkulente* 2(13): 238. 1926. Sec. Hunt (2016)**

≡ *Dolichothele baumii* (Boed.) Werderm. & Buxb. in Oesterr. Bot. Z. 98: 508. 1951 syn. sec. Kew WCVP (2019) ≡ *Ebnerella baumii* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria radiaissima* Linds., *Mammillaria* Handb.: 292, f. 263–264. 1945 syn. sec. Hunt (2016) – *Mammillaria baumii* var. *radiaissima* (G.E.Linds.) Neutel. in Succulenta (Netherlands) 64: 232. 1985, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria beneckeii* Ehrenb. in *Bot. Zeitung (Berlin)* 2: 833. 1844. Sec. Hunt (2016)**

≡ *Cactus beneckeii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Oehmea beneckeii* (Ehrenb.) Buxb. in Sukkulentekunde 4: 18. 1951 syn. sec. Hunt (2016) ≡ *Dolichothele beneckeii* (Ehrenb.) Backeb., Cactaceae 5: 3524. 1961 syn. sec. Kew WCVP (2019)

= *Neomammillaria nelsonii* Britton & Rose, Cactaceae 4: 163, f. 182. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Chilita nelsonii* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nelsonii* (Britton & Rose) Boed., Mammill.-Vergl.-Schlüssel: 37. 1933 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Oehmea nelsonii* (Britton & Rose) Buxb. in Sukkulentekunde 4: 17. 1951 syn. sec. Tropicos ≡ *Dolichothele nelsonii* (Britton & Rose) Backeb., Cactaceae 5: 3525. 1961 syn. sec. Kew WCVP (2019)

= *Mammillaria balsasensis* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 3: 121. 1931 syn. sec. Kew WCVP (2019)

= *Mammillaria aylosteria* Werderm. in Kakteenkunde & Kakteenfr. 1938: 99. 1938 syn. sec. Kew WCVP (2019) ≡ *Dolichothele aylosteria* (Werderm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 152. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria balsasoides* R.T.Craig, Mammill. Handb.: 158. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Dolichothele balsasoides* (R.T.Craig) Backeb., Cactaceae 4: 3527. 1960 syn. sec. Kew WCVP (2019) ≡ *Mammillaria beneckeii* subsp. *balsasoides* (R.T.Craig) Lodé in Cact.-Avent. Int. 106-107: 35. 2015 syn. sec. Kew WCVP (2019)

= *Mammillaria colonensis* R.T.Craig, Mammill. Handb.: 219, f. 200. 1945 syn. sec. Hunt (2016) ≡ *Chilita colonensis* (R.T.Craig) Buxb. in Sukkulentekunde 5: 16. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria barkeri* Shurly ex Backeb., Cactaceae 5: 3464. 1961 syn. sec. Hunt (2016)

= *Mammillaria guiengolensis* Bravo & T.MacDoug. in Anales Inst. Biol. Univ. Nac. Mexico 32: 187. 1962 syn. sec. Hernández & Gómez-Hinostrosa (2015)

= *Mammillaria beneckeii* var. *multiceps* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 29. 1989 syn. sec. Tropicos

Mammillaria bertholdii* Linzen, *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 38(2): 125. 2014. Sec. Hunt (2016)**Mammillaria bocasana* Poselg. in *Allg. Gartenzeitung* 21(12): 94. 1853. Sec. Hunt (2016)**

≡ *Cactus bocasanus* (Poselg.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 104. 1894 syn. sec. Hunt (2016) ≡ *Neomammillaria bocasana* (Poselg.) Britton & Rose, Cactaceae 4: 147. 1923 syn. sec. Tropicos ≡ *Chilita bocasana* Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella bocasana* (Poselg.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Krainzia bocasana* (Poselg.) Doweld in Sukkulenty 3(1-2): 42. 2000 syn. sec. Korotkova (2021) ≡ *Mammillaria bocasana* subsp. *bocasana*

= *Cactus eschauzieri* J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 104. 1894 syn. sec. Hunt (2016) ≡ *Mammillaria eschauzieri* (J.M.Coult.) R.T.Craig, Mammill. Handb.: 329. 1945 syn. sec. Hunt (2016) ≡ *Mammillaria bocasana* subsp. *eschauzieri* (J.M.Coult.) W.A.Fitz Maur. & B.Fitz Maur. in J. Mammillaria Soc. 35(2): 17. 1995 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Krainzia bocasana* subsp. *eschauzieri* (J.M.Coult.) Doweld in Sukkulenty 3(1-2): 42. 2000 syn. sec. Hunt (2016) ≡ *Chilita eschauzieri* (J.M.Coult.) Orcutt syn. sec. Hunt (2016) ≡ *Chilita eschanzieri* (J.M.Coult.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria eschauzieri* (J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 23(5): 1678. 1926 syn. sec. Korotkova (2021) ≡ *Neomammillaria eschauzieri* (J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 23: 1678. 1926 syn. sec. Hunt (2016) – *Cactus eschanzieri* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 104. 1894 syn. sec. TPL (2013) [is misspelling for *Cactus eschauzieri* J.M.Coult.] – *Mammillaria eschanzieri* (J.M.Coult.) R.T.Craig, Mammill. Handb.: 329. 1945 syn. sec. TPL (2013) [is misspelling for *Mammillaria eschauzieri* (J.M.Coult.) R.T.Craig]

= *Mammillaria kunzeana* Boed. & Quehl in Monatsschr. Kakteenk. 22: 177. 1912 syn. sec. Hunt (2016) ≡ *Neomammillaria kunzeana* (Boed. & Quehl) Britton & Rose, Cactaceae 4: 145–146, t. 14, f. 1. 1923 syn. sec. Korotkova (2021) ≡ *Chilita kunzeana* (Boed. & Quehl) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella kunzeana* (Boed. & Quehl) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria bocasana* var. *kunzeana* Quehl in Monatsschr. Kakteenk. 26: 46. 1916 syn. sec. Kew WCVP (2019)

= *Mammillaria hirsuta* Boed. in Monatsschr. Kakteenk. 29: 130. 1919 syn. sec. Hunt (2016) ≡ *Neomammillaria hirsuta* (Boed.) Britton & Rose, Cactaceae 4: 146. 1923 syn. sec. Korotkova (2021) ≡ *Chilita hirsuta* (Boed.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)

= *Neomammillaria longicoma* Britton & Rose, Cactaceae 4: 146–147, f. 162, 165. 1923 syn. sec. Hunt (2016) ≡ *Chilita longicoma* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria longicoma* (Britton & Rose) A.Berger, Kakteen: 292. 1929 syn. sec. Hunt (2016) ≡ *Ebnerella longicoma* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

- = *Mammillaria knebeliana* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 52. 1932 syn. sec. Hunt (2016) ≡ *Ebnerella knebeliana* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita knebeliana* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria icamolensis* Boed. in *Kakteenkunde* 1933: 168. 1933 syn. sec. Kew WCVP (2019) ≡ *Ebnerella icamolensis* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita icamolensis* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria haehneliana* Boed. in *Kakteenkunde* 1934: 27. 1934 syn. sec. Kew WCVP (2019) ≡ *Ebnerella haehneliana* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita haehneliana* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria hirsuta* var. *grandis* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 36. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria bocasana* var. *splendens* Lem. syn. sec. IPNI – *Neomammillaria bocasana* var. *splendens* (Lem.) Y.Itô, *Cactaceae*: 571. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria longicoma* var. *flavispina* Y.Itô syn. sec. IPNI – *Neomammillaria longicoma* var. *flavispina* (Y.Itô) Y.Itô, *Cactaceae*: 572. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria longicoma* var. *multiflora* Y.Itô syn. sec. IPNI – *Neomammillaria longicoma* var. *multiflora* (Y.Itô) Y.Itô, *Cactaceae*: 572. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria bocensis* R.T.Craig, *Mammill. Handb.*: 56, f. 38. 1945. Sec. Hunt (2016)**
- = *Mammillaria neoschwarzeana* Fritz Schwarz in *Blätt. Sukkulantenk.*: 5. 1949 syn. sec. Hunt (2016)
- = *Mammillaria rubida* Fritz Schwarz in *Blätt. Sukkulantenk.*: 5. 1949 syn. sec. Hunt (2016) ≡ *Neomammillaria rubida* (Fritz Schwarz) Y.Itô, *Cactaceae*: 615. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria bocensis* var. *rubida* (Fritz Schwarz) Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 146. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria bocensis* var. *movasana* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 148. 1987 syn. sec. Kew WCVP (2019)
- Mammillaria boelderliana* Wohlschl. in *Kakteen And. Sukk.* 39(4): 79. 1988. Sec. Hunt (2016)**
- Mammillaria bombycina* Quehl in *Monatsschr. Kakteenk.* 20: 149. 1910. Sec. Hunt (2016)**
- ≡ *Neomammillaria bombycina* (Quehl) Britton & Rose, *Cactaceae* 4: 161. 1923 syn. sec. Hunt (2016) ≡ *Chilita bombycina* Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella bombycina* (Quehl) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis bombycina* (Quehl) Doweld in *Sukkulenty* 3: 40. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria cordigera* Heese in *Gartenflora* 59: 445. 1910 syn. sec. Kew WCVP (2019)
- Mammillaria bombycina* subsp. *bombycina*. Sec. Hunt (2016)**
- Mammillaria bombycina* subsp. *perezdelarosae* (Bravo & Scheinvar) D.R.Hunt, *Mammillaria Postscripts* 6: 5. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria perezdelarosae* Bravo & Scheinvar in *Cact. Succ. Mex.* 30: 76. 1985 syn. sec. Hunt (2016) ≡ *Escobariopsis perezdelarosae* (Bravo & Scheinvar) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria perezdelarosae* subsp. *perezdelarosae* syn. sec. Korotkova (2021)
- = *Mammillaria perezdelarosae* subsp. *andersoniana* W.A.Fitz Maur. & B.Fitz Maur. in *Cact. Succ. J. (Los Angeles)* 73: 264. 2001 syn. sec. Kew WCVP (2019)
- Mammillaria brandegeei* (J.M.Coult.) K.Brandege in *Erythea* 5: 116. 1897. Sec. Hunt (2016)**
- ≡ *Cactus brandegeei* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(2): 96. 1894 syn. sec. Hunt (2016) ≡ *Neomammillaria brandegeei* (J.M.Coult.) Britton & Rose, *Cactaceae* 4: 73–74. 1923 syn. sec. Hunt (2016)
- = *Mammillaria magdalenensis* Werderm. syn. sec. IPNI – *Neomammillaria brandegeei* var. *magdalenensis* (Werderm.) Y.Itô, *Cactaceae*: 623. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria brandegeei* subsp. *brandegeei*. Sec. Hunt (2016)**
- Mammillaria brandegeei* subsp. *gabbii* (Engelm. ex J.M.Coult.) D.R.Hunt, *Mammillaria Postscripts* 6: 11. 1997**
- ≡ *Cactus gabbii* Engelm. ex J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(2): 109. 1894 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria gabbii* Engelm. ex K.Brandege in *Erythea* 5: 116. 1897 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria brandegeei* var. *gabbii* (Engelm. ex J.M.Coult.) R.T.Craig, *Mammill. Handb.*: 71. 1945 syn. sec. Guzmán Cruz & al. (2003) – *Neomammillaria brandegeei* var. *gabbii* (R.T.Craig) Y.Itô, *Cactaceae*: 623. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria brandegeei* subsp. *glareosa* (Boed.) D.R.Hunt, *Mammillaria Postscripts* 6: 11. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria glareosa* Boed., *Mammillarien-Vergleichs-Schlüssel*: 59. 1933 syn. sec. Hunt (2016)
- = *Neomammillaria dawsonii* Houghton in *Cact. Succ. J. (Los Angeles)* 7: 88. 1935 syn. sec. Hunt (2016) ≡ *Mammillaria dawsonii* (Houghton) R.T.Craig, *Mammill. Handb.*: 67. 1945 syn. sec. Hunt (2016)
- Mammillaria brandegeei* subsp. *lewisiana* (H.E.Gates) D.R.Hunt, *Mammillaria Postscripts* 7: 3. 1998. Sec. Guzmán Cruz & al. (2003)**
- ≡ *Mammillaria lewisiana* H.E.Gates in *Cact. Succ. J. (Los Angeles)* 27: 185, f. 169. 1955 syn. sec. Guzmán Cruz & al. (2003) ≡ *Neomammillaria lewisiana* (H.E.Gates) Y.Itô, *Cactaceae*: 623. 1981 syn. sec. Guzmán Cruz & al. (2003)

***Mammillaria brevipilumosa* García-Mor., Ramírez-Chap., Sigala-Chav. & Iamónico in Phytotaxa 452(3): 232. 2020.** Sec. García-Morales & al. (2020)

≡ *Mammillaria sanchezmejoradae* subsp. *brevipilumosa* (García-Mor., Ramírez-Chap., Sigala-Chav. & Iamónico) Guiggi in Cactology 5 (Suppl. 11): 2. 2020

***Mammillaria candida* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 496. 1838.** Sec. Korotkova (2021)

≡ *Neomammillaria candida* (Scheidw.) Britton & Rose, Cactaceae 4: 130, f. 141–142. 1923 syn. sec. Kew WCVP (2019) ≡ *Chilita candida* (Scheidw.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammilloidya candida* (Scheidw.)

Buxb. in Oesterr. Bot. Z. 98: 65. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammilloidya candida* subsp. *candida*

= *Mammillaria sphaerotricha* Lem., Cact. Gen. Sp. Nov.: 33. 1839 syn. sec. Britton & Rose (1923)

= *Mammillaria sphaerotricha* var. *rosea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019) ≡

Mammillaria candida var. *rosea* Salm-Dyck ex K.Schum., Gesamtbeschr. Kakt.: 525. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria candida* f. *rosea* (Salm-Dyck ex K.Schum.) Schelle, Handb. Kakteenkult.: 249. 1907 syn. sec. Kew

WCVP (2019) ≡ *Mammilloidya candida* var. *rosea* (Salm-Dyck) Krainz, Kakteen 22: C VIIIb. 1962 syn. sec. Kew WCVP

(2019) ≡ *Mammilloidya candida* f. *rosea* (Salm-Dyck) Buxb. in Krainz, Kakteen 55-56: CIV f. 1973 syn. sec. Kew WCVP

(2019) – *Neomammillaria candida* var. *rosea* (Salm-Dyck) Y.Itô, Cactaceae: 575. 1981, nom. inval. syn. sec. Kew WCVP

(2019)

= *Mammillaria candida* var. *sphaerotricha* Schelle, Handb. Kakteenkult.: 249. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria estanzuelensis* A.Berger, Kakteen: 287. 1929 syn. sec. Kew WCVP (2019) ≡ *Chilita estanzuelensis* (A.Berger)

Buxb. in Sukkulenteenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria ortiz-rubiana* (Bravo) Werderm. in Backeberg, Neue Kakteen: 95. 1931 syn. sec. Korotkova (2021) ≡

Mammillaria ortiz-rubiana (Bravo) Werderm. in Backeberg, Neue Kakteen: 95. 1931 syn. sec. Korotkova (2021) ≡

Mammillaria ortizrubioana (Bravo) Werderm. in Backeberg, Neue Kakteen: 95. 1931 syn. sec. Kew WCVP (2019) ≡

Neomammillaria ortiz-rubiana Bravo in Anales Inst. Biol. Univ. Nac. México 2: 193. 1931 syn. sec. WFO 2019 ≡

Neomammillaria ortizrubioana Bravo in Anales Inst. Biol. Univ. Nac. México 2: 193. 1931 syn. sec. Kew WCVP (2019) ≡

Mammilloidya ortizrubioana (Bravo) Buxb. in Oesterr. Bot. Z. 98: 65. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammilloidya*

candida subsp. *ortiz-rubiana* (Bravo) Buxb. in Krainz, Kakteen 55-56: CIVf. 1973 ≡ *Mammilloidya candida* subsp.

ortizrubioana (Bravo) Krainz, Kakteen 55-56: CIVf. 1973 syn. sec. Kew WCVP (2019) ≡ *Mammillaria candida* subsp.

ortizrubioana (Bravo) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 29: 84. 2005 syn. sec. Kew WCVP (2019) ≡

Mammilloidya ortiz-rubiana (Bravo) Buxb. syn. sec. Korotkova (2021) ≡ *Neomammillaria ortizrubioana* Bravo ≡ *Mammillaria*

candida subsp. *ortiz-rubiana* (Bravo) Krainz syn. sec. Guzmán Cruz & al. (2003) ≡ *Mammillaria candida* var. *ortiz-rubiana*

(Bravo) B.Hofm. syn. sec. Korotkova (2021)

= *Mammillaria candida* var. *caespitosa* Voss in Cact. Succ. J. 42: 280. 1970 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria candida* var. *estanzuelensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 27. 1987 syn. sec. Guzmán Cruz & al. (2003)

= *Mammillaria candida* subsp. *menchacaensis* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 32: 193. 2008 syn. sec. Kew WCVP (2019)

***Mammillaria carmenae* Castañeda, Anales Inst. Biol. Univ. Nac. México 24(2): 233–235. 1954 [1953].** Sec. Hunt (2016)

≡ *Escobariopsis carmenae* (Castañeda) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria carnea* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 19. 1837.** Sec. Hernández & Gómez-Hinostrosa (2015)

≡ *Mammillaria villifera* var. *carnea* (Zucc. ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 16. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus carneus* (Zucc. ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria*

carnea (Zucc. ex Pfeiff.) Britton & Rose, Cactaceae 4: 88–89. 1923 syn. sec. Tropicos

= *Mammillaria villifera* Otto, Enum. Diagn. Cact.: 18. 1837 syn. sec. Tropicos ≡ *Cactus villifer* (Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria carnea* var. *villifera* (Otto ex Pfeiff.) Gürke in Blüh. Kakteen 5: t. 60. 1905 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria villifera* (Otto) Britton & Rose, Cactaceae 4: 102. 1923 syn. sec.

Tropicos

= *Mammillaria aeruginosa* Scheidw. in Allg. Gartenzeitung 7: 338. 1840 syn. sec. Britton & Rose (1923) ≡ *Mammillaria*

villifera var. *aeruginosa* (Scheidw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 16. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus*

aeruginosus (Schweidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria carnea* var.

aeruginosa (Scheidw.) Gürke in Blüh. Kakteen 5: t. 60. 1905 syn. sec. Kew WCVP (2019)

= *Mammillaria subtetragona* A.Dietr. in Allg. Gartenzeitung 8: 169. 1840 syn. sec. Tropicos ≡ *Cactus subtetragonus* (A.Dietr.)

Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria carnea* var. *subtetragona* (A.Dietr.) Backeb.,

Cactaceae 5: 3145. 1961 syn. sec. Kew WCVP (2019)

= *Mammillaria pallescens* Scheidw. in Allg. Gartenzeitung 9: 42. 1841 syn. sec. Tropicos ≡ *Cactus pallescens* (Scheidw.)

Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria villifera* var. *cirrosa* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 115. 1850 syn. sec. Kew WCVP (2019) ≡

Mammillaria carnea var. *cirrosa* (Salm-Dyck) Gürke in Blüh. Kakteen 5: t. 60. 1905 syn. sec. Kew WCVP (2019) –

Neomammillaria carnea var. *cirrosa* (Gürke) Y.Itô, Cactaceae: 610. 1981, nom. inval. syn. sec. Kew WCVP (2019)

= *Mammillaria carnea* var. *robustispina* R.T.Craig, Mammill. Handb.: 45. 1945 syn. sec. Kew WCVP (2019)

***Mammillaria carretii* Rebut ex K.Schum., Gesamtbeschr. Kakt.: 542. 1898.** Sec. Hunt (2016)

- ≡ *Neomammillaria carretii* (Rebut ex K.Schum.) Britton & Rose, *Cactaceae* 4: 160, f. 176. 1923 syn. sec. Hunt (2016) ≡ *Chilita carretii* Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella carretii* (Rebut ex K.Schum.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Dolichothele carretii* (Rebut ex K.Schum.) Doweld in *Sukkulenty* 3: 37. 2000 syn. sec. Kew WCVP (2019)
- = *Neomammillaria saffordii* Britton & Rose, *Cactaceae* 4: 149, f. 168. 1923 syn. sec. Hunt (2016) ≡ *Chilita saffordii* (Britton & Rose) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria saffordii* (Britton & Rose) Bravo, *Cact. Mexic.*: 613. 1937 syn. sec. Hernández & Gómez-Hinostrosa (2015)

***Mammillaria coahuilensis* (Boed.) Moran in *Gentes Herbarum* 8: 324. 1953.** Sec. Hunt (2016)

- ≡ *Porfiria coahuilensis* Boed. in *Z. Sukkulentenk.* 2(13): 210–213. 1926 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria heyderi* subsp. *coahuilensis* (Boed.) Lüthy in *Taxon. Unters. Gatt. Mammillaria Haw. (Cactac.)*: 192. 1995 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria coahuilensis* subsp. *coahuilensis*
- = *Neomammillaria schwarzii* Rose ex Frič in *Život v Přír.* 29: 36. 1925 syn. sec. Korotkova (2021) ≡ *Haagea schwarzii* Frič in *Život v Přír.* 29: 36–37. 1925, nom. illeg. syn. sec. Hunt (2016) ≡ *Porfiria schwarzii* (Frič) Boed. in *Z. Sukkulentenk.* 3(2): 39. 1927–1928 syn. sec. Hunt (2016) ≡ *Mammillaria schwarzii* (Frič) Backeb., *Kakteenlex.*: 258. 1966 syn. sec. Hunt (2016)
- = *Porfiria coahuilensis* var. *albiflora* Boed. in *Z. Sukkulentenk.* 2(13): 213. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria coahuilensis* var. *albiflora* (Boed.) Boom in *Succulenta (Netherlands)* 1963: 163. 1963 syn. sec. Kew WCVP (2019)
- = *Mammillaria albiarmata* Boed. in *Jahrb. Deutsch. Kakteen-Ges.* 1: 67. 1935 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria coahuilensis* var. *albiarmata* (Boed.) Hofmann in *Repert. Pl. Succ.* 40: 5. 1989 syn. sec. Tropicos ≡ *Mammillaria coahuilensis* subsp. *albiarmata* (Boed.) D.R.Hunt, *Mammillaria Postscripts* 7: 3. 1998 syn. sec. Tropicos

Mammillaria columbiana* Salm-Dyck, *Cact. Hort. Dyck., ed. 1849: 99. 1850. Sec. Hunt (2016)

- ≡ *Neomammillaria columbiana* (Salm-Dyck) Y.Itô, *Cactaceae*: 619. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria bogotensis* Werderm. in *Backeberg, Neue Kakteen*: 98. 1931 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria columbiana* var. *bogotensis* (Werderm.) Dugand, *Mutisia* 20: 9. 1954 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria tamayonis* Killip ex Schnee in *Bol. Acad. Ci. Fís.* 12(38): 62. 1949 syn. sec. Tropicos ≡ *Mammillaria columbiana* subsp. *tamayonis* (Killip ex Schnee) Lodé in *Cact.-Avent. Int.* 100: 30. 2013 syn. sec. Kew WCVP (2019)
- = *Mammillaria columbiana* var. *albescens* J.N.Haage & Backeb. ex Repp., *Gattung Mammill. Monogr.* 2: 538. 1992 syn. sec. Kew WCVP (2019)

***Mammillaria columbiana* subsp. *columbiana*.** Sec. Hunt (2016)

- = *Mammillaria hennisii* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 7. 1932 syn. sec. Hunt (2016)
- = *Mammillaria soehlemannii* W.Haage & Backeb. in *Backeberg, Kakteenlex.*: 259. 1966 syn. sec. Hunt (2016)

***Mammillaria columbiana* subsp. *yucatanensis* (Britton & Rose) D.R.Hunt, *Mammillaria Postscripts* 6: 9. 1997.** Sec. Hernández & Gómez-Hinostrosa (2015)

- ≡ *Neomammillaria yucatanensis* Britton & Rose, *Cactaceae* 4: 114, f. 119. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria yucatanensis* (Britton & Rose) Orcutt in *Cactography* 8. 1926 syn. sec. Hunt (2016)
- = *Neomammillaria ruestii* (Quehl) in *Monatsschr. Kakteenk.* 15: 173. 1905 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria ruestii* (Quehl) Britton & Rose, *Cactaceae* 4: 115. 1923 syn. sec. Korotkova (2021) – *Mammillaria columbiana* subsp. *ruestii* (Quehl) Lodé in *Cact.-Avent. Int.* 100: 30. 2013, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria celsiana* var. *guatemalensis* Eichlam in *Monatsschr. Kakteenk.* 19: 59. 1909 syn. sec. Britton & Rose (1923)
- = *Mammillaria chapinensis* Eichlam & Quehl in *Monatsschr. Kakteenk.* 19: 1. 1909 syn. sec. Britton & Rose (1923)
- = *Mammillaria graessneriana* Boed. in *Monatsschr. Kakteenk.* 30: 84. 1920 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria graessneriana* (Boed.) Britton & Rose, *Cactaceae* 4: 117, f. 123. 1923 syn. sec. Tropicos
- = *Mammillaria fobeana* Boed. in *Kakteenkunde* 1933: 145. 1933 syn. sec. Tropicos
- = *Mammillaria chiapensis* Repp., *Gattung Mammill. Monogr.* 2: 543. 1992 syn. sec. Hunt (2016)
- = *Mammillaria jamaicensis* Areces in *Cact. Succ. J. (Los Angeles)* 73: 37. 2001 syn. sec. Hunt (2016) ≡ *Mammillaria columbiana* subsp. *jamaicensis* (Areces) Lodé in *Cact.-Avent. Int.* 100: 30. 2013 syn. sec. Kew WCVP (2019)

***Mammillaria compressa* DC. in *Mém. Mus. Hist. Nat.* 17: 112. 1828.** Sec. Hunt (2016)

- ≡ *Cactus compressus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 ≡ *Mammillaria angularis* f. *compressa* (DC.) Schelle, *Handb. Kakteenkult.*: 265. 1907, nom. illeg. syn. sec. Hunt (2016) ≡ *Neomammillaria compressa* (DC.) Britton & Rose, *Cactaceae* 4: 90–92, f. 84–88. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria subangularis* DC. in *Mém. Mus. Hist. Nat.* 17: 112. 1828 syn. sec. Tropicos ≡ *Cactus subangularis* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria subangularis* (DC.) Y.Itô, *Cactaceae*: 603. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria triacantha* DC. in *Mém. Mus. Hist. Nat.* 17: 113. 1828 ≡ *Mammillaria angularis* var. *triacantha* (DC.) Salm-Dyck, *Cact. Hort. Dyck., ed. 1844: 11. 1845* ≡ *Cactus triacanthus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria angularis* f. *triacantha* (DC.) Schelle, *Handb. Kakteenkult.*: 265. 1907
- = *Mammillaria cirrhifera* Mart., *Ausw. Merkw. Pfl.*: 127. 1829 syn. sec. Tropicos ≡ *Cactus cirrhifer* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria cirrhifera* var. *angulosior* Lem., *Cact. Gen. Sp. Nov.*: 95. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria conopsea* var. *longispina* Scheidw. in *Bull. Acad. Roy. Sci. Bruxelles* 6: 92. 1839 syn. sec. Kew WCVP (2019)

- = *Mammillaria longiseta* Muehlenpf. in Allg. Gartenzeitung 13: 346. 1845 syn. sec. Tropicos ≡ *Mammillaria cirrhiifera* var. *longiseta* (Muehlenpf.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 18. 1850 syn. sec. Hunt (2016) ≡ *Cactus longisetus* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria angularis* var. *longiseta* (Muehlenpf.) Salm-Dyck ex K.Schum., Gesamtbeschr. Kakt.: 576. 1898 syn. sec. Hunt (2016) ≡ *Mammillaria angularis* f. *longiseta* (Muehlenpf.) Schelle, Handb. Kakteenkult.: 265. 1907 syn. sec. Hunt (2016) – *Neomammillaria subangularis* var. *longiseta* (Salm-Dyck) Y.Itô, Cactaceae: 604. 1981, nom. inval. syn. sec. IPNI
- = *Mammillaria subcirrhiifera* C.F.Först., Handb. Cacteenk.: 234. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria angularis* var. *fulvescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 18. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria cirrhiifera* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 18. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria plinthimorpha* Jacobi in Allg. Gartenzeitung 24: 92. 1856 syn. sec. Kew WCVP (2019)
- = *Mammillaria squarrosa* Meinh. in Wochenschr. Gärtnerei Pflanzenk. 2: 116. 1859 syn. sec. Tropicos ≡ *Cactus squarrosus* (Meinsch.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria angularis* var. *compressa* K.Schum., Gesamtbeschr. Kakt.: 577. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria angularis* var. *fulvispina* K.Schum., Gesamtbeschr. Kakt.: 576. 1898 syn. sec. Hunt (2016) ≡ *Mammillaria angularis* f. *fulvispina* (K.Schum.) Schelle, Handb. Kakteenkult.: 265. 1907 syn. sec. Hunt (2016)
- = *Mammillaria kleinschmidtiana* Zeiss. in Monatsschr. Kakteenk. 8: 21. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria oettingenii* Zeiss. in Monatsschr. Kakteenk. 8: 10. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria tolimensis* var. *subuncinata* R.T.Craig, Mammill. Handb.: 320. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria tolimensis* var. *brevispina* R.T.Craig, Mammill. Handb.: 319. 1945 syn. sec. Hunt (2016) – *Neomammillaria tolimensis* var. *brevispina* (R.T.Craig) Y.Itô, Cactaceae: 623. 1981, nom. inval. syn. sec. Hunt (2016)
- = *Mammillaria tolimensis* var. *longispina* R.T.Craig, Mammill. Handb.: 319. 1945 syn. sec. Hunt (2016) – *Neomammillaria tolimensis* var. *longispina* (R.T.Craig) Y.Itô, Cactaceae: 623. 1981, nom. inval. syn. sec. Hunt (2016)
- *Mammillaria compressa* var. *rubripina* Borg, Cacti, ed. 1: 353. 1937, nom. inval. syn. sec. Kew WCVP (2019)
- *Neomammillaria subangularis* var. *rubripina* Y.Itô, Cactaceae: 604. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria compressa* subsp. *centralifera* (Repp.) D.R.Hunt, *Mammillaria* Postscripts 6: 11. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria centralifera* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 153. 1987 syn. sec. Hunt (2016)
- Mammillaria compressa* subsp. *compressa*.** Sec. Hunt (2016)
- = *Mammillaria conopsea* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 494. 1838 syn. sec. Hunt (2016) ≡ *Cactus conopseus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicos
- = *Mammillaria esseriana* Boed. in Z. Sukkulenteenk.: 289. 1928 syn. sec. Tropicos
- = *Mammillaria tolimensis* R.T.Craig, Mammill. Handb.: 318. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria tolimensis* (R.T.Craig) Y.Itô, Cactaceae: 623. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria bernalensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 151. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria angularis* Link & Otto ex Pfeiff., Enum. Diagn. Cact.: 12. 1837 syn. sec. IPNI – *Mammillaria angularis* Link & Otto, Enum. Diagn. Cact.: 12. 1837, nom. nud. syn. sec. Tropicos
- Mammillaria crassior* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 85. 1987.** Sec. Hunt (2016)
- Mammillaria crinita* DC. in Mém. Mus. Hist. Nat. 17: 112. 1828.** Sec. Hunt (2016)
- ≡ *Cactus crinitus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Krainzia crinita* (DC.) Doweld in Sukkulenteenk. 3: 42. 2000 syn. sec. Korotkova (2021) ≡ *Ebnerella crinita* (DC.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita crinita* (DC.) Buxb. in Sukkulenteenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria crinita* var. *pauciseta* DC. in Mém. Mus. Hist. Nat. 17: 112. 1828 syn. sec. Kew WCVP (2019)
- = *Mammillaria criniformis* DC., Coll. Mém. 8: t. 4. 1834 syn. sec. Tropicos ≡ *Chilita criniformis* (DC.) Buxb. in Sukkulenteenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria criniformis* var. *albida* DC., Coll. Mém. 8: t. 4. 1834 syn. sec. Kew WCVP (2019)
- = *Mammillaria criniformis* var. *rosea* DC., Coll. Mém. 8: t. 4. 1834 syn. sec. Kew WCVP (2019)
- = *Mammillaria schelhasii* Pfeiff. in Allg. Gartenzeitung 6: 274. 1838 syn. sec. Hunt (2016) ≡ *Neomammillaria schelhasii* (Pfeiff.) Britton & Rose, Cactaceae 4: 149. 1923 syn. sec. Hunt (2016)
- = *Mammillaria schelhasii* Pfeiff. in Allg. Gartenzeitung 6: 274. 1838 syn. sec. Kew WCVP (2019) ≡ *Cactus schelhasii* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Chilita schelhasii* (Pfeiff.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella schelhasii* (Pfeiff.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)
- = *Mammillaria schelhasii* var. *rosea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 81. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria schelhasii* var. *triuincinata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 81. 1850 syn. sec. Hunt (2016) ≡ *Mammillaria schelhasii* f. *triuincinata* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 252. 1907 syn. sec. Hunt (2016)
- = *Mammillaria trichacantha* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 133. 1903 syn. sec. Tropicos ≡ *Neomammillaria trichacantha* (K.Schum.) Britton & Rose, Cactaceae 4: 151, f. 167. 1923 syn. sec. Tropicos ≡ *Ebnerella trichacantha* (K.Schum.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita trichacantha* (K.Schum.) Buxb. in Sukkulenteenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria boedekeriana* Quehl in Monatsschr. Kakteenk. 29: 108. 1910 syn. sec. Tropicos ≡ *Neomammillaria boedekeriana* (Quehl) Britton & Rose, Cactaceae 4: 154. 1923 syn. sec. Tropicos ≡ *Ebnerella boedekeriana* (Quehl) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

- = *Mammillaria seideliana* Quehl in Monatsschr. Kakteenk. 21: 154. 1911 syn. sec. Hunt (2016) ≡ *Neomammillaria seideliana* (Quehl) Britton & Rose, *Cactaceae* 4: 144. 1923 syn. sec. Hunt (2016) ≡ *Chilita seideliana* (Quehl) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella seideliana* (Quehl) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019)
- = *Neomammillaria pygmaea* Britton & Rose, *Cactaceae* 4: 142–143. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria pygmaea* (Britton & Rose) A. Berger, *Kakteen*: 296. 1929 syn. sec. Hunt (2016) ≡ *Ebnerella pygmaea* (Britton & Rose) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita pygmaea* (Britton & Rose) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Chilita boederkeriana* Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria erectohamata* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 189. 1930 syn. sec. Tropicos ≡ *Ebnerella erectohamata* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita erectohamata* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria pubispina* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 61. 1930 syn. sec. Hunt (2016) ≡ *Ebnerella pubispina* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita pubispina* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria moeller-valdeziana* Appenz. in *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 12(5): 161–167. 1988 syn. sec. Hunt (2016)
- *Mammillaria schelhasii* var. *lanuginosior* Hildm. ex K. Schum., *Gesamtbeschr. Kakt.*: 531. 1898, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria crinita* subsp. *crinita*.** Sec. Hunt (2016)

- = *Mammillaria mollihamata* Shurly in *Cact. Succ. J. Gr. Brit.* 22: 52. 1960 syn. sec. Hunt (2016)

***Mammillaria crinita* subsp. *leucantha* (Boed.) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997.** Sec. Hunt (2016)

- ≡ *Mammillaria leucantha* Boed. in *Kakteenkunde* 1933: 233. 1933 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Krainzia crinita* subsp. *leucantha* (Boed.) Doweld in *Sukkulenty* 3: 42. 2000 syn. sec. Hunt (2016)
- = *Mammillaria aurihamata* Boed. in *Z. Sukkulentenk.* 3(15): 340–342. 1927–1928 syn. sec. Hunt (2016) ≡ *Ebnerella aurihamata* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 ≡ *Chilita aurihamata* (Boed.) Buxb. in *Sukkulantenkunde* 5: 21. 1954 ≡ *Neomammillaria aurihamata* (Boed.) Y. Itô, *Cactaceae*: 591. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria schelhasii* var. *aurihamata* (Boed.) Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 246. 1991 syn. sec. Tropicos
- = *Mammillaria aureoviridis* Heinrich in *Kakteen And. Sukk.* 1: 56. 1937 syn. sec. Hunt (2016)
- = *Mammillaria brevicrinata* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 42. 1989 syn. sec. Hunt (2016)
- = *Mammillaria puberula* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 44. 1989 syn. sec. Hunt (2016)
- = *Mammillaria tezontle* W.A. Fitz Maur. & B. Fitz Maur. in *Cact. Suc. Mex.* 40(3): 59. 1995 syn. sec. Hunt (2016)

***Mammillaria crinita* subsp. *wildii* (A.Dietr.) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997.** Sec. Hunt (2016)

- ≡ *Mammillaria wildii* A. Dietr. in *Allg. Gartenzeitung* 4: 137. 1836 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria wildii* (A. Dietr.) Britton & Rose, *Cactaceae* 4: 143. 1923 syn. sec. Korotkova (2021) ≡ *Chilita wildii* (A. Dietr.) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella wildii* (A. Dietr.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Krainzia crinita* subsp. *wildii* (A. Dietr.) Doweld in *Sukkulenty* 3: 42. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria monancistrina* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 7. 1850 syn. sec. Schumann (1899)
- = *Mammillaria calleana* Backeb. in *Cactus (Paris)* 31(Suppl.): 2. 1952 syn. sec. Tropicos

***Mammillaria crucigera* Mart. in *Nov. Actorum Acad. Caes. Leop.-Carol. German. Nat. Cur.* 16(1): 340, t. 25, f. 2. 1832.** Sec. Hunt (2016)

- ≡ *Cactus cruciger* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria curvispina* var. *parviflora* A. Dietr. in *Allg. Gartenzeitung* 14: 204. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria cubensis* Zucc. ex Labour., *Monogr. Cact.*: 59. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria urbaniana* Vaupel in *Monatsschr. Kakteenk.* 22: 65. 1912 syn. sec. Kew WCVP (2019)
- = *Mammillaria buchenau* Backeb., *Descr. Cact. Nov.* 3: 8. 1963 syn. sec. Hunt (2016)
- = *Mammillaria crucigera* var. *grandinosa* Linzen, Rogoz. & Frank Wolf in *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 21: 203. 1998 ["1997"] syn. sec. Kew WCVP (2019)

***Mammillaria crucigera* subsp. *crucigera*.** Sec. Hunt (2016)

***Mammillaria crucigera* subsp. *tlalocii* (Repp.) D.R.Hunt, *Mammillaria Postscripts* 6: 9. 1997.** Sec. Hunt (2016)

- ≡ *Mammillaria tlalocii* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 120. 1987 syn. sec. Hunt (2016) ≡ *Mammillaria crucigera* var. *tlalocii* (Repp.) Linzen, Rogoz. & Frank Wolf in *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 21: 202. 1998 ["1997"]

***Mammillaria decipiens* Scheidw. in *Bull. Acad. Roy. Sci. Bruxelles* 5: 496. 1838.** Sec. Hunt (2016)

- ≡ *Cactus decipiens* (Scheidw.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria decipiens* (Scheidw.) Britton & Rose, *Cactaceae* 4: 131–132, t. 14, f. 3. 1923 syn. sec. Korotkova (2021) ≡ *Chilita decipiens* Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Pseudomammillaria decipiens* (Scheidw.) Buxb. in *Oesterr. Bot. Z.* 98: 84. 1951 ≡ *Krainzia decipiens* (Scheidw.) Doweld in *Sukkulenty* 3: 42. 2000 syn. sec. Korotkova (2021)
- = *Mammillaria anancistrina* Lem., *Cact. Gen. Sp. Nov.*: 39. 1839 syn. sec. Britton & Rose (1923) ≡ *Cactus ancistrus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019) – *Mammillaria ancistrina* Lem. syn. sec. Britton & Rose (1923) [is misspelling for *Mammillaria anancistrina* Lem.]

- = *Mammillaria deficum* C.F.Först., Handb. Cacteenk.: 185. 1846 syn. sec. Britton & Rose (1923)
 = *Mammillaria deficiens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 7. 1850 syn. sec. Britton & Rose (1923)
- Mammillaria decipiens* subsp. *albescens* (Tiegel) D.R.Hunt, *Mammillaria* Postscripts 6: 7. 1997.** Sec. Hunt (2016)
 ≡ *Mammillaria albescens* Tiegel in Möller's Deutsche Gärtn.-Zeitung 48: 260. 1933 syn. sec. Hernández & Gómez-Hinostroza (2015) ≡ *Dolichothele albescens* (Tiegel) Backeb. in Cact. Succ. J. (Los Angeles) 23: 152. 1951 syn. sec. Kew WCVP (2019) ≡ *Pseudomammillaria albescens* (Tiegel) Buxb. in Oesterr. Bot. Z. 98: 84. 1951 syn. sec. Hunt (2016) ≡ *Mammillaria decipiens* var. *albescens* (Tiegel) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 66. 1987 ≡ *Krainzia decipiens* subsp. *albescens* (Tiegel) Doweld in Sukkulenty 3: 42. 2000
- Mammillaria decipiens* subsp. *camptotricha* (Dams) D.R.Hunt, *Mammillaria* Postscripts 6: 7. 1997.** Sec. Hunt (2016)
 ≡ *Mammillaria camptotricha* Dams in Gartenwelt 10: 14. 1906 syn. sec. Hernández & Gómez-Hinostroza (2015) ≡ *Neomammillaria camptotricha* (Dams) Britton & Rose, Cactaceae 4: 126–127, f. 135. 1923 syn. sec. Tropicicos ≡ *Pseudomammillaria camptotricha* (Dams) Buxb. in Oesterr. Bot. Z. 98: 84. 1951 syn. sec. Tropicicos ≡ *Krainzia decipiens* subsp. *camptotricha* (Dams) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Hunt (2016) ≡ *Dolichothele camptotricha* (Dams) Tiegel syn. sec. WFO 2019
- Mammillaria decipiens* subsp. *decipiens*.** Sec. Hunt (2016)
- Mammillaria deherdtiana* Farwig in Cact. Succ. J. (Los Angeles) 41: 28, f. 1–3. 1969.** Sec. Hunt (2016)
 ≡ *Bartschella deherdtiana* (Farwig) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Hunt (2016)
- Mammillaria deherdtiana* subsp. *deherdtiana*.** Sec. Hunt (2016)
- Mammillaria deherdtiana* subsp. *dodsonii* (Bravo) D.R.Hunt, *Mammillaria* Postscripts 6: 5. 1997.** Sec. Hunt (2016)
 ≡ *Mammillaria dodsonii* Bravo in Cact. Suc. Mex. 15: 3. 1970 syn. sec. Hunt (2016) ≡ *Bartschella deherdtiana* subsp. *dodsonii* (Bravo) Doweld in Sukkulenty 3: 37. 2000 – *Mammillaria deherdtiana* var. *dodsonii* (Bravo) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 51: 125. 1979, nom. inval.
- Mammillaria densispina* (J.M.Coult.) Orcutt in Cactography 7. 1926.** Sec. Hunt (2016)
 ≡ *Cactus densispinus* J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 96–97. 1894 syn. sec. Hunt (2016) ≡ *Neomammillaria densispina* (J.M.Coult.) Britton & Rose, Cactaceae 4: 119–120, f. 126. 1923 syn. sec. Korotkova (2021) ≡ *Leptocladia densispina* (J.M.Coult.) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Kew WCVP (2019) ≡ *Krainzia densispina* (J.M.Coult.) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Korotkova (2021)
- = *Mammillaria pseudofuscata* Quehl in Monatsschr. Kakteenk. 24: 114. 1914 syn. sec. Britton & Rose (1923) – *Mammillaria pseudofuscata* Quehl in Monatsschr. Kakteenk. 24: 114. 1914 syn. sec. TPL (2013) [is misspelling for *Mammillaria pseudofuscata* Quehl]
- = *Mammillaria mieheana* var. *globosa* Tiegel in Möller's Deutsche Gärtn.-Zeitung 48: 398. 1933 syn. sec. Kew WCVP (2019)
 = *Mammillaria buxbaumeriana* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 63. 1989 syn. sec. Hunt (2016)
- Mammillaria discolor* Haw., Syn. Pl. Succ.: 177. 1812.** Sec. Kew WCVP (2019)
 ≡ *Cactus discolor* (Haw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria discolor* (Haw.) Britton & Rose, Cactaceae 4: 132–133, f. 144. 1923 syn. sec. Hunt (2016) ≡ *Chilita discolor* Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria discolor* subsp. *discolor*
- = *Cactus depressus* DC., Cat. Pl. Horti Monsp.: 84. 1813 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Cactus pseudomammillaris* Desf., Tabl. École Bot., ed. 2: 191. 1815 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pseudomammillaris* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 7. 1845 syn. sec. Kew WCVP (2019)
- = *Cactus spinii* Colla in Mem. Reale Accad. Sci. Torino 33: 133. 1826 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinii* Colla ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria albida* Haage ex Pfeiff., Enum. Diagn. Cact.: 28. 1837 syn. sec. Kew WCVP (2019) ≡ *Mammillaria discolor* var. *albida* (Haage ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 11. 1845 syn. sec. Tropicicos
- = *Mammillaria canescens* Pfeiff., Enum. Diagn. Cact.: 28. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria discolor* var. *prolifera* Pfeiff., Enum. Diagn. Cact.: 28. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria curvispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 7. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria discolor* var. *coniflora* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 11. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria curvispina* Otto in Allg. Gartenzeitung 14: 204. 1846, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Mammillaria discolor* var. *curvispina* (Otto) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Tropicicos ≡ *Cactus curvispinus* (Otto) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria nitens* Otto ex Linke in Allg. Gartenzeitung 16: 331. 1848 syn. sec. Tropicicos ≡ *Mammillaria discolor* var. *nitens* (Otto ex Linke) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Tropicicos
- = *Mammillaria pulchella* Otto ex Linke in Allg. Gartenzeitung 16: 331. 1848 syn. sec. Britton & Rose (1923) ≡ *Mammillaria discolor* f. *pulchella* (Otto ex Linke) Schelle, Handb. Kakteenkult.: 260. 1907 syn. sec. Britton & Rose (1923)
- = *Mammillaria aciculata* Hort. Berol. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Salm-Dyck (1850) ≡ *Mammillaria discolor* var. *aciculata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Britton & Rose (1923)
- = *Mammillaria amoena* Hoppfer ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 99. 1850 syn. sec. Tropicicos ≡ *Neomammillaria amoena* (Hoppfer ex Salm-Dyck) Britton & Rose, Cactaceae 4: 120–121. 1923 syn. sec. Tropicicos
- = *Mammillaria coniflora* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria porphyracantha* Jacobi in Allg. Gartenzeitung 24: 81. 1856 syn. sec. Kew WCVP (2019)

- = *Mammillaria confinis* K.Schum., Gesamtbeschr. Kakt.: 557. 1898 syn. sec. Kew WCVP (2019)
- = *Neomammillaria ochoterena* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 2: 127, fig. 1. 1931 syn. sec. Hunt (2016) = *Mammillaria ochoterena* (Bravo) Werderm. ex Backeb., Neue Kakteen: 98. 1931 syn. sec. Hernández & Gómez-Hinostroza (2015) = *Mammillaria discolor* var. *ochoterena* (Bravo) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 77. 1987 syn. sec. Tropicos = *Mammillaria discolor* subsp. *ochoterena* (Bravo) U.Guzmán, Cat. Cactaceas Mex.: 122. 2003 syn. sec. Tropicos
- = *Neomammillaria schmollii* Bravo in Anales Inst. Biol. Univ. Nac. México 2: 123, 128, fig. 12. 1931 syn. sec. Tropicos = *Mammillaria schmollii* (Bravo) Werderm. in Backeberg, Neue Kakteen: 98. 1931 syn. sec. Hernández & Gómez-Hinostroza (2015) = *Mammillaria discolor* var. *schmollii* (Bravo) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 78. 1987 syn. sec. Tropicos = *Mammillaria discolor* subsp. *schmollii* (Bravo) Linzen in Mitt. Arbeitskreises Mammillarienfr. 24: 209. 2000 syn. sec. Tropicos
- = *Mammillaria esperanzaensis* Boed., Kaktus-ABC: 392. 1935 syn. sec. Hunt (2016) = *Mammillaria discolor* subsp. *esperanzaensis* (Boed.) D.R.Hunt, Mammillaria Postscripts 6: 7. 1997 syn. sec. Tropicos
- = *Mammillaria pachyrhiza* Backeb. in Beitr. Sukkulenteenk. Sukkulentenpflege 1939: 39. 1939 syn. sec. Hunt (2016) = *Mammillaria discolor* subsp. *pachyrhiza* (Backeb.) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013 syn. sec. Kew WCVP (2019)
- = *Mammillaria discolor* var. *longispina* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 77. 1987 syn. sec. Kew WCVP (2019) = *Mammillaria discolor* subsp. *longispina* (Repp.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 27: 84. 2003 syn. sec. Kew WCVP (2019)
- Mammillaria dixanthocentron* Backeb. ex Mottram, Descr. Cact. Nov. 3: 8. 1963. Sec. Hunt (2016)**
- = *Mammillaria dixanthocentron* subsp. *dixanthocentron*
- = *Mammillaria dixanthocentron* var. *rubrispina* C.B.Wolf in Kakteen And. Sukk. 38: 46. 1987 syn. sec. Tropicos
- Mammillaria duoformis* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 59. 1948. Sec. Hunt (2016)**
- = *Mammillaria hamata* var. *principis* Labour., Monogr. Cact.: 34. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria duoformis* var. *rectiformis* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 60. 1948 syn. sec. Kew WCVP (2019)
- = *Mammillaria rossiana* Heinrich in Kakteen And. Sukk. 9: 119. 1958 syn. sec. Hunt (2016)
- = *Mammillaria erythrocalix* Buchenau in Cact. Suc. Mex. 11: 17. 1966 syn. sec. Hunt (2016)
- = *Mammillaria duoformis* var. *xuchiapensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 104. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria claviformis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 91. 1989 syn. sec. Hunt (2016)
- = *Mammillaria duoformis* var. *typica* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 59. 1948, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria duwei* Rogoz. & P.J.Braun in Kakteen And. Sukk. 36: 164. 1985. Sec. Hunt (2016)**
- = *Mammillaria nana* subsp. *duwei* (Rogoz. & P.J.Braun) Pilbeam, Cactus File Handb. 6: 203. 1999 syn. sec. Hernández & Gómez-Hinostroza (2015) = *Mammillaria trichacantha* subsp. *duwei* (Rogoz. & P.J.Braun) Mottram in J. Mammillaria Soc. 40: 8. 2000
- Mammillaria eichlamii* Quehl in Monatsschr. Kakteenk. 18(5): 65–66. 1908. Sec. Hunt (2016)**
- = *Neomammillaria eichlamii* (Quehl) Britton & Rose, Cactaceae 4: 94. 1923 syn. sec. Hunt (2016) = *Mammillaria voburnensis* var. *eichlamii* (Quehl) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 178. 1989 syn. sec. Tropicos = *Mammillaria voburnensis* subsp. *eichlamii* (Quehl) D.R.Hunt, Mammillaria Postscripts 6: 11. 1997 syn. sec. Hunt (2016) – *Mammillaria voburnensis* subsp. *eichlamii* (Quehl) D.R.Hunt syn. sec. TPL (2013) [is misspelling for *Mammillaria voburnensis* subsp. *eichlamii* (Quehl) D.R.Hunt] – *Mammillaria voburnensis* var. *eichlamii* (Quehl) Repp. syn. sec. TPL (2013) [is misspelling for *Mammillaria voburnensis* var. *eichlamii* (Quehl) Repp.]
- Mammillaria ekmanii* Werderm. in Ark. Bot. 22A(16): 11. 1929. Sec. Hunt (2016)**
- Mammillaria elongata* DC. in Mém. Mus. Hist. Nat. 17: 109. 1828. Sec. Hunt (2016)**
- = *Cactus elongatus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) = *Neomammillaria elongata* (DC.) Britton & Rose, Cactaceae 4: 134–135, f. 146. 1923 syn. sec. Korotkova (2021) = *Chilita elongata* (DC.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) = *Leptocladia elongata* (DC.) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Kew WCVP (2019) = *Leptocladodia elongata* (DC.) Buxb. in Krainz, Kakteen 15: CVIIIc. 1960 syn. sec. Korotkova (2021) = *Krainzia elongata* (DC.) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Hunt (2016)
- = *Mammillaria subcrocea* DC. in Mém. Mus. Hist. Nat. 17: 110. 1828 syn. sec. Tropicos = *Mammillaria elongata* var. *subcrocea* (DC.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 12. 1850 syn. sec. Kew WCVP (2019) = *Cactus subcroceus* (DC.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) = *Mammillaria elongata* f. *subcrocea* (DC.) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019) = *Neomammillaria subcrocea* (DC.) Y.Itô, Cactaceae: 601. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria tenuis* DC. in Mém. Mus. Hist. Nat. 17: 110. 1828 syn. sec. Tropicos = *Cactus tenuis* (DC.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) = *Mammillaria elongata* var. *tenuis* (DC.) K.Schum., Gesamtbeschr. Kakt.: 520. 1898 syn. sec. Kew WCVP (2019) = *Mammillaria elongata* f. *tenuis* (DC.) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria tenuis* var. *media* DC. in Mém. Mus. Hist. Nat. 17: 110. 1828 syn. sec. Kew WCVP (2019)

- = *Mammillaria intertexta* DC. in Mém. Mus. Hist. Nat. 17: 110. 1829 syn. sec. Tropicos ≡ *Mammillaria elongata* var. *intertexta* (DC.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 12. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus intertextus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria densa* Link & Otto, Icon. Pl. Rar.: 69. 1830 syn. sec. Tropicos ≡ *Cactus densus* (Link & Otto) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* var. *densa* (Link & Otto) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria echinata* DC., Mém. Cact.: 3. 1834 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* var. *echinata* (DC.) K.Schum., Gesamtbeschr. Kakt.: 521. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* f. *echinata* (DC.) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria subcrocea* var. *echinata* (DC.) Y.Itô, Cacti, ed. 2: 127. 1952 syn. sec. Kew WCVP (2019) – *Neomammillaria subcrocea* var. *echinata* (DC.) Y.Itô, Cactaceae: 601. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria caespitosa* Pfeiff., Enum. Diagn. Cact.: 6. 1837 syn. sec. Hunt (2016)
- = *Mammillaria stella-aurata* Mart. ex Zucc. in Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 3: 101. 1838 syn. sec. Tropicos ≡ *Cactus stella-aurata* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* var. *stella-aurata* (Mart. ex Zucc.) K.Schum., Gesamtbeschr. Kakt.: 520. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* f. *stella-aurata* (Mart. ex Zucc.) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Echinocactus densus* Steud., Nomencl. Bot., ed. 2, 1: 536. 1840 syn. sec. Britton & Rose (1923)
- = *Mammillaria anguinea* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 101. 1850 syn. sec. Tropicos ≡ *Mammillaria anguinea* Otto in Salm-Dyck, Cact. Hort. Dyck., 1849: 101. 1850 syn. sec. Tropicos ≡ *Cactus anguineus* (Otto) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria elongata* var. *rufescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 12. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria rufocrocea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 102. 1850 syn. sec. Tropicos ≡ *Cactus rufocroceus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* var. *rufocrocea* (Salm-Dyck) K.Schum., Gesamtbeschr. Kakt.: 521. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* f. *rufocrocea* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria stella-aurata* var. *gracilispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 101. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria subechinata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 101. 1850 syn. sec. Tropicos ≡ *Cactus subechinatus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elongata* var. *subechinata* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria caespitosa* (Engelm.) A.Gray, Struct. Bot.: 421. 1887 syn. sec. Kew WCVP (2019)
- = *Cactus pulvilliger* Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria elongata* var. *anguinea* K.Schum., Gesamtbeschr. Kakt.: 521. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria elongata* var. *erecta* Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria elongata* var. *minima* Schelle, Handb. Kakteenkult.: 247. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria elongata* var. *obscuriora* Heinrich ex Backeb., Kakteenlex.: 236. 1966 syn. sec. Kew WCVP (2019)
- = *Mammillaria minima* Rchb. in Suppl. Cact. Verz.: 1 syn. sec. Tropicos ≡ *Cactus minimus* (Rchb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- *Mammillaria elongata* var. *schmollii* Borg, Cacti, ed. 1: 312. 1937, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria elongata* subsp. *echinaria* (DC.) D.R.Hunt, *Mammillaria* Postscripts 6: 7. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria echinaria* DC. in Mém. Mus. Hist. Nat. 17: 110. 1828 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus echinaria* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria echinaria* (DC.) Britton & Rose, Cactaceae 4: 136, f. 148. 1923 syn. sec. Korotkova (2021) ≡ *Chilita echinaria* (DC.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Leptocladia echinaria* (DC.) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Hunt (2016) – *Cactus echinata* Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. TPL (2013) [is misspelling for *Cactus echinaria* (DC.) Kuntze]
- Mammillaria elongata* subsp. *elongata*. Sec. Hunt (2016)**
- Mammillaria eriacantha* Link & Otto ex Pfeiff., Enum. Diagn. Cact.: 32. 1837. Sec. Hunt (2016)**
- ≡ *Cactus eriacanthus* (Link & Otto ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria eriacantha* (Link & Otto ex Pfeiff.) Britton & Rose, Cactaceae 4: 127. 1923 syn. sec. Korotkova (2021) ≡ *Chilita eriacantha* (Link & Otto ex Pfeiff.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria cylindracea* DC. in Mém. Mus. Hist. Nat. 17: 111. 1828 syn. sec. Tropicos ≡ *Cactus cylindraceus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- Mammillaria eriacantha* subsp. *eriacantha***
- Mammillaria eriacantha* subsp. *velizii* J.Linares in Int. Cact. Advent. 70: 4. 2006. Sec. Hernández & Gómez-Hinostrosa (2015)**
- Mammillaria erythrosperma* Boed. in Monatsschr. Kakteenk. 28: 101. 1918. Sec. Hunt (2016)**
- ≡ *Ebnerella erythrosperma* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita erythrosperma* (Boed.) Buxb. in Sukkulantenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria erythrosperma* (Boed.) Y.Itô, Cactaceae: 597. 1981 syn. sec. Korotkova (2021) ≡ *Krainzia erythrosperma* (Boed.) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Korotkova (2021)
- = *Mammillaria scheidweileriana* Otto in Allg. Gartenzeitung 9: 170. 1841 syn. sec. Tropicos ≡ *Cactus scheidweilerianus* (Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria scheidweileriana* (Otto) Britton & Rose, Cactaceae 4: 148–149. 1923 syn. sec. Tropicos ≡ *Chilita scheidweileriana* (Otto) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella scheidweileriana* (Otto) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria erythrosperma* var. *similis* Boed. in Monatsschr. Kakteenk. 28: 102. 1918 syn. sec. Kew WCVP (2019)
 = *Neomammillaria multiformis* Britton & Rose, Cactaceae 4: 148, f. 164. 1923 syn. sec. Tropicos ≡ *Chilita multiformis* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria multiformis* (Britton & Rose) Backeb., Neue Kakteen: 19. 1931 syn. sec. Hunt (2016) ≡ *Ebnerella multiformis* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)

***Mammillaria evermanniana* (Britton & Rose) Orcutt in Cactography 7. 1926. Sec. Hunt (2016)**

≡ *Neomammillaria evermanniana* Britton & Rose, Cactaceae 4: 97–98, f. 95. 1923 syn. sec. Hunt (2016)

***Mammillaria fittkaui* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 43: 115–117. 1971. Sec. Hunt (2016)**

≡ *Escobariopsis fittkaui* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

= *Mammillaria variabilis* Repp. in Kakteen And. Sukk. 36: 207. 1985 syn. sec. Hunt (2016)

***Mammillaria fittkaui* subsp. *fittkaui*. Sec. Hunt (2016)**

***Mammillaria fittkaui* subsp. *limonensis* (Repp.) Lüthy, Taxon. Untersuch. Gattung *Mammillaria*: 162. 1995. Sec. Hunt (2016)**

≡ *Mammillaria limonensis* Repp. in Kakteen And. Sukk. 36: 44. 1985 syn. sec. Hunt (2016) ≡ *Escobariopsis fittkaui* subsp. *limonensis* (Repp.) Doweld in Sukkulenty 3: 40. 2000

= *Mammillaria manana* W.A.Fitz Maur. & B.Fitz Maur. in Cact. World 24: 8. 2006 syn. sec. Hunt (2016)

***Mammillaria flavicentra* Backeb. ex Mottram, Descr. Cact. Nov. 3: 8. 1963. Sec. Hunt (2016)**

≡ *Mammillaria dixanthocentron* subsp. *flavicentra* (Backeb.) U.Guzmán, Cat. Cactaceas Mex.: 123. 2003 syn. sec. Tropicos ≡ *Mammillaria dixanthocentron* var. *flavicentra* (Backeb.) Repp. syn. sec. Tropicos

***Mammillaria formosa* Galeotti ex Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 497. 1838. Sec. Hunt (2016)**

≡ *Cactus formosus* (Galeotti ex Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria formosa* (Galeotti ex Scheidw.) Britton & Rose, Cactaceae 4: 99. 1923 syn. sec. Korotkova (2021)

= *Mammillaria formosa* var. *dispicula* Monv. ex Labour., Monogr. Cact.: 60. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria formosa* var. *gracilispina* Monv. ex Labour., Monogr. Cact.: 60. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria formosa* var. *laevior* Monv. ex Labour., Monogr. Cact.: 60. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria arroyensis* Repp. in Kakteen And. Sukk. 40: 292. 1989 syn. sec. Hunt (2016)

= *Mammillaria eumorpha* Repp. ex Tamegger & R.Knees in Mitt. Arbeitskreises Mammillarienfr. 32: 128. 2008 syn. sec. Hunt (2016)

***Mammillaria formosa* subsp. *chionocephala* (J.A.Purpus) D.R.Hunt, Mammillaria Postscripts 7: 3. 1998. Sec. Hunt (2016)**

≡ *Mammillaria chionocephala* J.A.Purpus in Monatsschr. Kakteenk. 16: 41. 1906 syn. sec. Hunt (2016) ≡ *Neomammillaria chionocephala* (J.A.Purpus) Britton & Rose, Cactaceae 4: 101, f. 99. 1923 syn. sec. TPL (2013) ≡ *Neomammillaria chionocephala* (J.A.Purpus) Britton & Rose, Cactaceae 4: 101. 1923 syn. sec. Kew WCVP (2019)

= *Mammillaria ritteriana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 173. 1929 syn. sec. Hunt (2016) ≡ *Neomammillaria ritteriana* (Boed.) Y.Itô, Cactaceae: 585. 1981 syn. sec. Korotkova (2021)

= *Mammillaria caerulea* R.T.Craig, Mammill. Handb.: 306, fig. 278. 1945 syn. sec. Hunt (2016)

= *Mammillaria roemerii* Wolfg.Krüger & W.Rischer in Mitt. Arbeitskreises Mammillarienfr. 26: 96. 2002 syn. sec. Hunt (2016)

= *Mammillaria ritteriana* var. *quadricentralis* R.T.Craig, Mammill. Handb.: 89, fig. 68. 1945 syn. sec. Tropicos – *Neomammillaria ritteriana* var. *quadricentralis* (R.T.Craig) Y.Itô, Cactaceae: 585. 1981, nom. inval. syn. sec. Hunt (2016)

***Mammillaria formosa* subsp. *formosa*. Sec. Hunt (2016)**

***Mammillaria formosa* subsp. *microthele* (Muehlenpf. & Tiegel) D.R.Hunt, Mammillaria Postscripts 6: 9. 1997. Sec. Hunt (2016)**

≡ *Mammillaria microthele* Muehlenpf. & Tiegel in Jahrb. Deutsch. Kakteen-Ges.: 135. 1936 syn. sec. Hunt (2016) ≡

Mammillaria formosa var. *microthele* (Muehlenpf. & Tiegel) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 87. 1850

= *Mammillaria brongniartii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria microthele* var. *brongniartii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Kew WCVP (2019)

= ?*Cactus bispinus* J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 101. 1894 syn. sec. Britton & Rose (1923)

***Mammillaria formosa* subsp. *pseudocrucigera* (R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 10. 1997. Sec. Hunt (2016)**

≡ *Mammillaria pseudocrucigera* R.T.Craig, Mammill. Handb.: 101. 1945 syn. sec. Hunt (2016)

= *Mammillaria sempervivi* DC. in Mém. Mus. Hist. Nat. 17: 114. 1828 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡

Cactus sempervivi (DC.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hernández & Gómez-Hinostrosa (2021) ≡

Neomammillaria sempervivi (DC.) Britton & Rose, Cactaceae 4: 86–87, f. 79. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2021)

= *Mammillaria sempervivi* var. *tetracantha* DC., Mém. Mus. Hist. Nat. 17: 114. 1828 syn. sec. Hernández & Gómez-Hinostrosa (2021) ≡ *Mammillaria sempervivi* f. *tetracantha* (DC.) Schelle, Handb. Kakteenkult.: 269. 1907 syn. sec. Hernández & Gómez-Hinostrosa (2021)

= *Mammillaria caput-medusae* Otto ex Pfeiff., Enum. Diagn. Cact.: 22. 1837 syn. sec. Hernández & Gómez-Hinostrosa (2021) ≡

Mammillaria sempervivi var. *caput-medusae* (Otto ex Pfeiff.) Backeb., Cactaceae 5: 3160. 1961 syn. sec. Hernández & Gómez-Hinostrosa (2021) – *Neomammillaria sempervivi* var. *caput-medusae* (Otto ex Pfeiff.) Y.Itô, Cactaceae: 615. 1981, nom. inval. syn. sec. Hernández & Gómez-Hinostrosa (2021)

= *Mammillaria diacantha* Lem., Cact. Aliq. Nov.: 2. 1838 syn. sec. Hernández & Gómez-Hinostrosa (2021)

- = *Mammillaria diacantha* J.N.Haage ex Steud., Nomencl. Bot., ed. 2, 2(2-5): 96. 1841 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria staurotypa* C.F.Först., Handb. Cacteenk.: 221. 1846 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria caput-medusae* var. *centrispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 15. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria caput-medusae* var. *crassior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 15. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria caput-medusae* var. *tetracantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 15. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria sempervivi* var. *laeteviridis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 113. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria tetracentra* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 112. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2021)
 ≡ *Cactus tetracentrus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria bachmannii* Boed., Mammill.-Vergl.-Schlüssel: 59. 1933 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- Mammillaria* ×*gajii* Chvastek & Halda in Acta Mus. Richnov., Sect. Nat., 7: 36. 2000**
- Mammillaria gasseriana* Boed. in Z. Sukkulentenk. 3(4): 75–77. 1927–1928. Sec. Hunt (2016)**
- ≡ *Ebnerella gasseriana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita gasseriana* (Boed.) Buxb. in Sukkulentenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiacantha* var. *gasseriana* (Boed.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 30: 177. 2006 syn. sec. Kew WCVP (2019)
- = *Mammillaria chica* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 52. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria viescens* Rogoz. & Appenz. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 13(4): 152–160. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria lasiacantha* subsp. *viescens* (Rogoz. & Appenz.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 30: 177. 2006 syn. sec. Kew WCVP (2019)
- Mammillaria geminispina* Haw. in Philos. Mag. J. 63: 42. 1824. Sec. Hunt (2016)**
- ≡ *Cactus geminispinus* (Haw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria geminispina* (Haw.) Britton & Rose, Cactaceae 4: 98–99. 1923 syn. sec. Korotkova (2021)
- = *Cactus columnaris* Moc. & Sessé ex DC., Prodr. 3: 459. 1828 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* DC. in Mém. Mus. Hist. Nat. 17: 11. 1828 syn. sec. Tropicos ≡ *Cactus elegans* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria elegans* (DC.) Britton & Rose, Cactaceae 4: 107–108, f. 109. 1923 syn. sec. Tropicos
- = *Mammillaria elegans* var. *globosa* DC. in Mém. Mus. Hist. Nat. 17: 111. 1828 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *minor* DC. in Mém. Mus. Hist. Nat. 17: 111. 1828 syn. sec. Kew WCVP (2019)
- = *Mammillaria bicolor* Lehm., Index Seminum (HBG) 1830: 7. 1830 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria bicolor* (Lehm.) Y.Itô, Cactaceae: 575. 1981 syn. sec. Hunt (2016)
- = *Mammillaria acanthophlegma* Lehm. in Del. Sem. Hort. Hamburg. 1832 syn. sec. Kew WCVP (2019) ≡ *Cactus acanthophlegmus* (Lehm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria acanthophlegma* (Lehm.) Y.Itô, Cactaceae: 588. 1981 syn. sec. Korotkova (2021) – *Neomammillaria acanthophlegma* (Lehm.) Y.Itô, Cactaceae: 588. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria daedalea* Scheidw., Hort. Belge 4: 16. 1837 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nivea* var. *daedalea* (Scheidw.) Lem., Cact. Gen. Sp. Nov.: 101. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria dyckiana* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 26. 1837 syn. sec. Tropicos ≡ *Cactus dyckianus* (Zucc.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria leucocephala* Pfeiff., Enum. Diagn. Cact.: 180. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria eburnea* Miq. in Linnaea 12: 14. 1838 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *micracantha* Lem., Cact. Gen. Sp. Nov.: 100. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria geminispina* var. *monacantha* Lem. & Monv., Cact. Gen. Sp. Nov.: 100. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria geminispina* var. *tetracantha* Lem. & Monv., Cact. Gen. Sp. Nov.: 100. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria nobilis* Pfeiff. in Allg. Gartenzeitung 8: 282. 1840 syn. sec. Tropicos ≡ *Mammillaria bicolor* var. *nobilis* (Pfeiff.) C.F.Först., Handb. Cacteenk.: 198. 1846 syn. sec. Kew WCVP (2019) ≡ *Cactus nobilis* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891, nom. illeg. syn. sec. Tropicos ≡ *Mammillaria bicolor* f. *nobilis* (Pfeiff.) Schelle, Handb. Kakteenkult.: 263. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria geminispina* var. *nobilis* (Pfeiff.) Backeb., Cactaceae 5: 3185. 1961 syn. sec. Kew WCVP (2019)
- = *Mammillaria toaldoae* Lehm. ex Walp., Repert. Bot. Syst. 2: 289. 1843 syn. sec. Kew WCVP (2019)
- = *Mammillaria klugei* Ehrenb. in Bot. Zeitung (Berlin) 2: 834. 1844 syn. sec. Kew WCVP (2019) ≡ *Mammillaria klugii* Ehrenb. in Bot. Zeitung (Berlin) 2: 834. 1844 syn. sec. Britton & Rose (1923) ≡ *Mammillaria elegans* var. *klugei* (Ehrenb.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus klugii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria bicolor* var. *longispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 6. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria bellatula* C.F.Först. in Allg. Gartenzeitung 15: 51. 1847 syn. sec. Britton & Rose (1923) ≡ *Cactus bellatulus* (C.F.Först.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria splendens* Ehrenb. in Allg. Gartenzeitung 17: 242. 1849 syn. sec. Kew WCVP (2019)
- = *Mammillaria acanthophlegma* var. *decandollei* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Kew WCVP (2019)

- = *Mammillaria bicolor* var. *crystata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria bicolor* f. *crystata* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 263. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria acanthophlegma* var. *abducta* Monv. ex Labour., Monogr. Cact.: 64. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria acanthophlegma* var. *elegans* Monv. ex Labour., Monogr. Cact.: 63. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria acanthophlegma* var. *leucocephala* Monv. ex Labour., Monogr. Cact.: 63. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria acanthophlegma* var. *monacantha* Monv. ex Labour., Monogr. Cact.: 63. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria recta* Miq. ex Labour., Monogr. Cact.: 63. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria nivea* var. *brevispina* Hildm. in Verz.: 4. 1888 syn. sec. Kew WCVP (2019) ≡ *Mammillaria geminispina* var. *brevispina* (Hildm.) Backeb., Cactaceae 5: 3186. 1961 syn. sec. Hunt (2016)
- = *Cactus leucocentrus* (Bergm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Cactus meissneri* Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *aureispina* Borg, Cacti, ed. 1: 336. 1937 syn. sec. Kew WCVP (2019)
- = *Mammillaria albata* var. *longispina* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 132. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria albata* var. *sanciro* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 132. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *longicaudata* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 109. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *lupina* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 108. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria elegans* var. *teyuca* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 111. 1987 syn. sec. Kew WCVP (2019)
- *Mammillaria elegans* var. *nigrispina* Borg, Cacti, ed. 1: 336. 1937, nom. inval. syn. sec. Kew WCVP (2019) – *Neomammillaria neoelegans* var. *nigrispina* (Borg) Y.Itô, Cactaceae: 583. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Neomammillaria bicolor* var. *nivea* Y.Itô, Cactaceae: 576. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria geminispina* subsp. *geminispina*. Sec. Hunt (2016)**
- = *Mammillaria nivea* H.L.Wendl., Enum. Diagn. Cact.: 27. 1837 syn. sec. Tropicos ≡ *Cactus niveus* (H.L.Wendl.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos ≡ *Mammillaria bicolor* var. *nivea* (H.L.Wendl.) K.Schum., Gesamtbeschr. Kakt.: 569. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria bicolor* f. *nivea* (H.L.Wendl.) Schelle, Handb. Kakteenkult.: 262. 1907 syn. sec. Kew WCVP (2019)
- Mammillaria geminispina* subsp. *leuocentra* (A.Berg) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria leuocentra* A.Berg in Allg. Gartenzeitung 13: 130. 1840 syn. sec. Hunt (2016)
- = *Mammillaria albata* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 130. 1989 syn. sec. Hunt (2016)
- Mammillaria gigantea* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 578. 1898. Sec. Hunt (2016)**
- ≡ *Neomammillaria gigantea* (Hildm. ex K.Schum.) Britton & Rose, Cactaceae 4: 85, t. 11, f. 3. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria flavovirens* var. *crystata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 118. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria flavovirens* f. *crystata* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 269. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria guanajuatensis* Rudge ex K.Schum., Gesamtbeschr. Kakt.: 578. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria macdowellii* K.Schum., Gesamtbeschr. Kakt.: 578. 1898 syn. sec. Kew WCVP (2019)
- = *Neomammillaria hamiltonhoytiae* Bravo in Anales Inst. Biol. Univ. Nac. México 2: 130. 1931 syn. sec. Kew WCVP (2019) ≡ *Mammillaria hamiltonhoytiae* (Bravo) Werderm. in Backeberg, Neue Kakteen: 99. 1931 syn. sec. Hunt (2016) ≡ *Mammillaria hamiltonhoytiae* (Bravo) Werderm. in Backeberg, Neue Kakteen: 99. 1931 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria hamiltonhoytiae* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 2: 130. 1931 syn. sec. Hunt (2016) ≡ *Mammillaria gigantea* subsp. *hamiltonhoytiae* (Bravo) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 27: 144. 2003 syn. sec. Kew WCVP (2019)
- = *Mammillaria armatissima* R.T.Craig, Mammill. Handb.: 300. 1945 syn. sec. Hunt (2016)
- = *Mammillaria hamiltonhoytiae* var. *fulvaflora* R.T.Craig, Mammill. Handb.: 76. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria ocotillensis* R.T.Craig, Mammill. Handb.: 314. 1945 syn. sec. Hunt (2016)
- = *Mammillaria ocotillensis* var. *brevispina* R.T.Craig, Mammill. Handb.: 315. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria ocotillensis* var. *longispina* R.T.Craig, Mammill. Handb.: 315. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria hastifera* Krainz & A.Keller in Schweizer Gart. 1946: 11. 1946 syn. sec. Tropicos
- = *Mammillaria saint-pieana* Backeb., Descr. Cact. Nov. 3: 8. 1963 syn. sec. Hunt (2016)
- = *Mammillaria gigantea* subsp. *flavovirens* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 27: 138. 2003 syn. sec. Kew WCVP (2019)
- Mammillaria glassii* R.A.Foster in Cact. Succ. J. (Los Angeles) 40: 132. 1968. Sec. Hunt (2016)**
- ≡ *Bartschella glassii* (R.C.Foster) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Hunt (2016) ≡ *Mammillaria glassii* subsp. *glassii*
- = *Mammillaria ascensionis* Repp. in Kakteen And. Sukk. 30(3): 61–62. 1979 syn. sec. Hunt (2016) ≡ *Mammillaria glassii* var. *ascensionis* (Repp.) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 51(3): 126. 1979 syn. sec. Tropicos ≡ *Mammillaria glassii* subsp. *ascensionis* (Repp.) D.R.Hunt, *Mammillaria* Postscripts 6: 6. 1997 syn. sec. Tropicos ≡ *Bartschella glassii* subsp. *ascensionis* (Repp.) Doweld in Sukkulenty 3: 37. 2000
- = *Mammillaria glassii* var. *nominis-dulcis* A.B.Lau in Cact. Succ. J. (Los Angeles) 57: 198. 1985 syn. sec. Tropicos ≡ *Mammillaria ascensionis* var. *nominis-dulcis* (A.B.Lau) Repp., Gatt. Mammillaria: 58. 1987 syn. sec. Kew WCVP (2019) ≡ *Bartschella glassii* subsp. *nominis-dulcis* (A.B.Lau) Doweld in Sukkulenty 3: 38. 2000 ≡ *Mammillaria glassii* subsp. *nominis-dulcis* (A.B.Lau) U.Guzmán, Cat. Cactaceas Mex.: 126. 2003 syn. sec. Tropicos

= *Mammillaria glassii* var. *siberiensis* A.B.Lau in Cact. Succ. J. (Los Angeles) 57: 198. 1985 syn. sec. Kew WCVP (2019) ≡ *Bartschella glassii* subsp. *siberiensis* (A.B.Lau) Doweld in Sukkulenty 3: 38. 2000 ≡ *Mammillaria glassii* subsp. *siberiensis* (A.B.Lau) U.Guzmán, Cat. Cactaceas Mex.: 126. 2003 syn. sec. Kew WCVP (2019)

***Mammillaria glochidiata* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. German. Nat. Cur. 16(1): 337, pl. 23. 1832.** Sec. Hunt (2016)

≡ *Cactus glochidiatus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria glochidiata* (Mart.) Britton & Rose, Cactaceae 4: 149–151, f. 166. 1923 syn. sec. Korotkova (2021) ≡ *Chilita glochidiata* Orcutt in Cactography 2: 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella glochidiata* (Mart.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria ancistroides* Lehm. in Del. Sem. Hort. Hamburg. 1832 syn. sec. Tropicos ≡ *Cactus ancistroides* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Chilita ancistroides* (Lehm.) Buxb. in Sukkulentenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *albida* DC., Coll. Mém.: 8. 1834 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *rosea* DC., Coll. Mém.: 8. 1834 syn. sec. Kew WCVP (2019)

= *Mammillaria wildiana* var. *major* Salm-Dyck, Hort. Dyck.: 5. 1834 syn. sec. Kew WCVP (2019)

= *Mammillaria wildiana* Otto, Enum. Diagn. Cact.: 37. 1837 syn. sec. Tropicos ≡ *Cactus wildianus* (Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *purpurea* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 495. 1838 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *inuncinata* Lem., Cact. Gen. Sp. Nov.: 102. 1839 syn. sec. Kew WCVP (2019)

= *Mammillaria anastrata* Scheidw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 8. 1845 syn. sec. Kew WCVP (2019)

= *Mammillaria anastrina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria wildiana* var. *rosea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 7. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *crinita* K.Schum., Gesamtbeschr. Kakt.: 532. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria glochidiata* f. *crinita* (K.Schum.) Schelle, Handb. Kakteenkult.: 251. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *prolifera* K.Schum., Gesamtbeschr. Kakt.: 532. 1898 syn. sec. Kew WCVP (2019) ≡

Mammillaria glochidiata f. *prolifera* (K.Schum.) Schelle, Handb. Kakteenkult.: 251. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria glochidiata* var. *xiloensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 40. 1987 syn. sec. Kew WCVP (2019)

***Mammillaria grusonii* Runge in Gartenflora 38: 105, f. 20. 1889.** Sec. Hunt (2016)

= *Mammillaria zeyeriana* Haage ex K.Schum., Gesamtbeschr. Kakt.: 574. 1898 syn. sec. Hunt (2016) ≡ *Neomammillaria zeyeriana* (F.Haage ex K.Schum.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 56. 1931 syn. sec. Korotkova (2021) ≡ *Mammillaria grusonii* subsp. *zeyeriana* (F.Haage ex K.Schum.) Lodé in Cact.-Avent. Int. 100: 30. 2013

= *Mammillaria mexicensis* R.T.Craig, Mammill. Handb.: 311. 1945 syn. sec. Kew WCVP (2019)

= *Mammillaria pachycylindrica* Backeb. in Cact. Succ. J. Gr. Brit. 21: 82, fig. 1959 syn. sec. Hunt (2016) ≡ *Mammillaria grusonii* subsp. *pachycylindrica* (Backeb.) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013

= *Mammillaria durangicola* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 135. 1987 syn. sec. Hunt (2016)

= *Mammillaria tesopacensis* var. *papasquiarensis* Bravo ex S.Arias, U.Guzmán & Gama in Cact. Suc. Mex. 37(3): 74. 1992 syn. sec. Tropicos ≡ *Mammillaria papasquiarensis* (Bravo ex S.Arias, U.Guzmán & Gama) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 137. 1987 syn. sec. Hunt (2016)

***Mammillaria guerreronis* (Bravo) Boed., Kaktus-ABC: 391. 1935.** Sec. Hernández & Gómez-Hinostrosa (2015)

≡ *Neomammillaria guerreronis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 3: 395, f. 23–24. 1932 syn. sec. Hunt (2016)

= *Mammillaria guerreronis* var. *recta* R.T.Craig, Mammill. Handb.: 130. 1945 syn. sec. Kew WCVP (2019)

= *Mammillaria zapilotensis* R.T.Craig, Mammill. Handb.: 132. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria guerreronis* var. *zapilotensis* (R.T.Craig) Backeb. in Cact. Succ. J. (Los Angeles) 23: 152. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria guerreronis* var. *subhamata* R.T.Craig, Mammill. Handb.: 130. 1945 syn. sec. Hunt (2016) – *Neomammillaria guerreronis* var. *subhamata* (R.T.Craig) Y.Itô, Cactaceae: 577. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria guillauminiana* Backeb. in Cactus (Paris) 33: 81. 1952.** Sec. Hunt (2016)

≡ *Mammillaria mercadensis* var. *guillauminiana* (Backeb.) Repp., Gattung Mammillaria: 35. 1989 syn. sec. Tropicos

***Mammillaria haageana* Pfeiff. in Allg. Gartenzeitung 4: 257. 1836.** Sec. Hunt (2016)

≡ *Cactus haageanus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria haageana* (Pfeiff.) Britton & Rose, Cactaceae 4: 110–111, f. 112. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria haageana* subsp. *haageana*

= *Mammillaria perote* Pfeiff. in Allg. Gartenzeitung 4: 257. 1836 syn. sec. Kew WCVP (2019)

= *Mammillaria kunthii* Ehrenb. in Bot. Zeitung (Berlin) 2: 835. 1844 syn. sec. Tropicos ≡ *Cactus kunthii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria meissneri* Ehrenb. in Bot. Zeitung (Berlin) 2(49): 834–835. 1844 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria acanthophlegma* var. *meissneri* (Ehrenb.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 9. 1850 syn. sec. Hunt (2016) ≡ *Mammillaria elegans* var. *meissneri* (Ehrenb.) Hofmann in Repert. Pl. Succ. 40: 5. 1989 syn. sec. Tropicos ≡

Mammillaria haageana subsp. *meissneri* (Ehrenb.) U.Guzmán, Cat. Cactaceas Mex.: 129. 2003 syn. sec. Tropicos

= *Mammillaria dealbata* A.Dietr. in Allg. Gartenzeitung 14: 309. 1846 syn. sec. Tropicos ≡ *Cactus dealbatus* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria dealbata* (A.Dietr.) Britton & Rose, Cactaceae 4: 110, f. 111, t. 12, f. 3. 1923 syn. sec. Tropicos ≡ *Mammillaria elegans* var. *dealbata* (A.Dietr.) Borg, Cacti, ed. 1: 336. 1937 syn. sec. Kew WCVP (2019)

- = *Mammillaria micans* A.Dietr. in Allg. Gartenzeitung 16: 330. 1848 syn. sec. Tropicos ≡ *Cactus micans* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria haageana* var. *validior* Monv. ex Labour., Monogr. Cact.: 54. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria peacockii* Hort. Angl. ex Rümpler, Handb. Cacteenk., ed. 2: 286. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria donatii* Berge ex K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 135. 1903 syn. sec. Tropicos ≡ *Neomammillaria donatii* (Berge ex K.Schum.) Britton & Rose, Cactaceae 4: 111–112, f. 114. 1923 syn. sec. Tropicos
- = *Mammillaria collina* J.A.Purpus in Monatsschr. Kakteenk. 22: 162. 1912 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria collina* (J.A.Purpus) Britton & Rose, Cactaceae 4: 111. 1923 syn. sec. Tropicos ≡ *Mammillaria haageana* var. *collina* (J.A.Purpus) Linzen & al. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 15(6): 234. 1992 syn. sec. Tropicos
- = *Mammillaria conspicua* J.A.Purpus in Monatsschr. Kakteenk. 22: 163. 1912 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria haageana* subsp. *conspicua* (J.A.Purpus) D.R.Hunt, Mammillaria Postscripts 6: 9. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria vaupelii* Tiegel in Möller's Deutsche Gärtner-Zeitung 48: 412. 1933 syn. sec. Hunt (2016) ≡ *Neomammillaria vaupelii* (Tiegel.) Y.Itô, Cactaceae: 585. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria conspicua* var. *vaupelii* (Tiegel) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 113. 1989 syn. sec. Tropicos ≡ *Mammillaria haageana* subsp. *vaupelii* (Tiegel) U.Guzmán, Cat. Cactaceas Mex.: 129. 2003 syn. sec. Hunt (2016)
- = *Mammillaria elegans* var. *schmollii* R.T.Craig, Mammill. Handb.: 283. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria haageana* var. *schmollii* (R.T.Craig) D.R.Hunt in Cact. Succ. J. Gr. Brit. 41: 63. 1979 syn. sec. Tropicos ≡ *Mammillaria haageana* subsp. *schmollii* (R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 9. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015) – *Neomammillaria neoelegans* var. *schmollii* (R.T.Craig) Y.Itô, Cactaceae: 583. 1981, nom. inval. syn. sec. Hunt (2016)
- = *Mammillaria san-angelensis* Sánchez-Mej. in Cact. Suc. Mex. 26: 8. 1981 syn. sec. Kew WCVP (2019) ≡ *Mammillaria haageana* subsp. *san-angelensis* (Sánchez-Mej.) D.R.Hunt, Mammillaria Postscripts 6: 9. 1997 syn. sec. Tropicos
- = *Mammillaria albidula* Backeb. ex Repp., Gattung Mammill. Monogr. 2: 504. 1992 syn. sec. Hunt (2016)
- = *Mammillaria acultzingensis* Linzen, Rogoz. & F.Wolf in Mitteilungsbl. Arbeitskreises Mammillarienfr. 18(2): 72, 88. 1994 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria haageana* subsp. *acultzingensis* (Linzen, Rogoz. & F.Wolf) D.R.Hunt, Mammillaria Postscripts 6: 9. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria haageana* subsp. *elegans* D.R.Hunt, Mammillaria Postscripts 6: 9. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria vaupelii* var. *flavispina* W.T.Neale syn. sec. IPNI – *Neomammillaria vaupelii* var. *flavispina* (W.T.Neale) Y.Itô, Cactaceae: 586. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria hahniana* Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 1: 77. 1929.** Sec. Hunt (2016)
- ≡ *Neomammillaria hahniana* (Werderm.) Y.Itô, Cactaceae: 572. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria hahniana* subsp. *hahniana*
- = *Neomammillaria mendeliana* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 2: 195. 1931 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria mendeliana* (Bravo) Werderm. in Backeberg, Neue Kakteen: 100. 1931 syn. sec. Hunt (2016) ≡ *Mammillaria hahniana* subsp. *mendeliana* (Bravo) D.R.Hunt, Mammillaria Postscripts 6: 10. 1997 syn. sec. Hunt (2016)
- = *Mammillaria saetigera* Boed. & Tiegel, Mammillarien-Vergleichs-Schlüssel: 49. 1933 syn. sec. Hunt (2016) ≡ *Neomammillaria saetigera* (Boed. & Tiegel) Y.Itô, Cactaceae: 578. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria woodsii* R.T.Craig in Cact. Succ. J. (Los Angeles) 15: 33. 1943 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria woodsii* (R.T.Craig) Y.Itô, Cactaceae: 623. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria hahniana* subsp. *woodsii* (R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 10. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria saetigera* subsp. *woodsii* (R.T.Craig) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 26: 110. 2002 syn. sec. Kew WCVP (2019)
- = *Mammillaria bravoae* R.T.Craig, Mammill. Handb.: 112. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria bravoae* (R.T.Craig) Y.Itô, Cactaceae: 576. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria hahniana* subsp. *bravoae* (R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 10. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria saetigera* var. *quadrifidialis* R.T.Craig, Mammill. Handb.: 83. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria hahniana* var. *werdermanniana* F.Schmoll ex R.T.Craig, Mammill. Handb.: 112. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria hahniana* var. *werdermanniana* (F.Schmoll ex R.T.Craig) Y.Itô, Cactaceae: 572. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria halbingeri* Boed. in Kakteenkunde 1933: 9. 1933.** Sec. Hunt (2016)
- ≡ *Neomammillaria halbingeri* (Boed.) Y.Itô, Cactaceae: 578. 1981 syn. sec. Korotkova (2021)
- Mammillaria hernandezii* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 55(1): 22. 1983.** Sec. Hunt (2016)
- ≡ *Bartschella hernandezii* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Hunt (2016)
- Mammillaria herrerae* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 276. 1931.** Sec. Hunt (2016)
- ≡ *Chilita herrerae* (Werderm.) Buxb. in Sukkulentenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria herrerae* (Werderm.) Y.Itô, Cactaceae: 569. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis herrerae* (Werderm.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)
- Mammillaria heyderi* Muehlenpf. in Allg. Gartenzeitung 16(3): 20. 1848.** Sec. Hunt (2016)
- ≡ *Cactus heyderi* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria heyderi* (Muehlenpf.) Britton & Rose, Cactaceae 4: 75, t. 8, f. 2. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria heyderi* var. *heyderi*

- = *Mammillaria sororia* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 28. 1858 syn. sec. Tropicos ≡ *Cactus sororius* (Meinsh.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria texensis* Labour., Monogr. Cact.: 89. 1858 syn. sec. Kew WCVP (2019) ≡ *Cactus texensis* (Labour.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria lindheimeri* Engelm. ex Hemsl. in Biol. Cent.-Amer., Bot. 1(6): 525. 1880 syn. sec. Kew WCVP (2019)
- = *Cactus hemisphaericus* Small, Fl. S.E. U.S.: 811. 1903 syn. sec. Hunt (2016)
- = *Mammillaria heyderi* f. *hemisphaerica* (Engelm.) Schelle, Handb. Kakteenkult.: 263. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria buchheimiana* Quehl in Monatsschr. Kakteenk. 27: 97. 1917 syn. sec. Kew WCVP (2019)
- = *Mammillaria waltheri* Boed. in Z. Sukkulenteenk. 3(4): 72–73, unnumbered pl. 1927–1928 syn. sec. Tropicos ≡ *Mammillaria hemisphaerica* var. *waltheri* (Boed.) R.T.Craig, Mammill. Handb.: 95. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria heyderi* var. *waltheri* (Boed.) Mottram, Mammill. Index: 41. 1980 syn. sec. Kew WCVP (2019)
- = *Mammillaria heyderi* var. *bullingtoniana* Castetter, P.Pierce & K.H.Schwer. in Cact. Succ. J. (Los Angeles) 48(3): 138–139, f. 1–2. 1976 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria parrasensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 133. 1989 syn. sec. Hunt (2016)
- *Mammillaria hemisphaerica* var. *albispina* Frič in Českoslov. Zahradn. Listy 1924: 122. 1924, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria hemisphaerica* var. *nigrispina* Frič in Českoslov. Zahradn. Listy 1924: 122. 1924, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria heyderi* subsp. *gaumeri* (Britton & Rose) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Neomammillaria gaumeri* Britton & Rose, Cactaceae 4: 72–73. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria gaumeri* (Britton & Rose) Orcutt in Cactography 7. 1926 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria heyderi* subsp. *gummifera* (Engelm.) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria gummifera* Engelm., Mem. Tour N. Mexico: 105. 1848 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus gummifer* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Neomammillaria gummifera* (Engelm.) Britton & Rose, Cactaceae 4: 74. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria heyderi* var. *gummifera* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 47: 40. 1975 syn. sec. Kew WCVP (2019)
- Mammillaria heyderi* subsp. *hemisphaerica* (Engelm.) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria hemisphaerica* Engelm. in Boston J. Nat. Hist. 6(2): 198–199. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria heyderi* var. *hemisphaerica* Engelm. in Proc. Amer. Acad. Arts 3: 263. 1856 syn. sec. Tropicos ≡ *Cactus heyderi* var. *hemisphaericus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 97. 1894 syn. sec. Hunt (2016) ≡ *Neomammillaria hemisphaerica* (Engelm.) Britton & Rose, Cactaceae 4: 75. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria gummifera* var. *hemisphaerica* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 128. 1969 syn. sec. Tropicos
- = *Mammillaria applanata* Engelm., Mem. Tour N. Mexico: 105. 1848 syn. sec. Hunt (2016) ≡ *Mammillaria heyderi* var. *applanata* (Engelm.) Engelm. in Proc. Amer. Acad. Arts 3: 263. 1856 syn. sec. Tropicos ≡ *Mammillaria heyderi* f. *applanata* (Engelm.) Schelle, Handb. Kakteenkult.: 263. 1907 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria applanata* (Engelm.) Britton & Rose, Cactaceae 4: 76, t. 9, f. 1. 1923 syn. sec. Tropicos ≡ *Mammillaria gummifera* var. *applanata* (Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Tropicos ≡ *Mammillaria gummifera* var. *applanata* (Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Kew WCVP (2019)
- = *Mammillaria declivis* A.Dietr. in Allg. Gartenzeitung 18: 235. 1850 syn. sec. Britton & Rose (1923)
- Mammillaria heyderi* subsp. *heyderi*.** Sec. Hunt (2016)
- Mammillaria heyderi* subsp. *macdougallii* (Rose) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria macdougallii* Rose, Stand. Cycl. Hort. 4: 1982. 1916 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria macdougallii* (Rose) Britton & Rose, Cactaceae 4: 74. 1923 syn. sec. Tropicos ≡ *Mammillaria heyderi* var. *macdougallii* (Rose) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 265. 1944 syn. sec. Tropicos ≡ *Mammillaria gummifera* var. *macdougallii* (Rose) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Tropicos
- Mammillaria heyderi* subsp. *meiacantha* (Engelm.) D.R.Hunt, *Mammillaria* Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria meiacantha* Engelm. in Proc. Amer. Acad. Arts 3: 263. 1856 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus meiacanthus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria meiacantha* (Engelm.) Britton & Rose, Cactaceae 4: 84. 1923 syn. sec. Tropicos ≡ *Mammillaria melanocentra* var. *meiacantha* (Engelm.) R.T.Craig, Mammill. Handb.: 66. 1945 ≡ *Mammillaria gummifera* var. *meiacantha* (Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 22. 1969 syn. sec. Tropicos ≡ *Mammillaria heyderi* var. *meiacantha* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 47: 40. 1975 syn. sec. Tropicos
- Mammillaria huitzilopochtli* D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 106–107. 1979.** Sec. Hunt (2016)
- Mammillaria huitzilopochtli* subsp. *huitzilopochtli*.** Sec. Hunt (2016)
- Mammillaria huitzilopochtli* subsp. *niduliformis* (A.B.Lau) Pilbeam, *Mammillaria* (Cactus File Handbook) 6: 143. 1999.** Sec. Hunt (2016)
- ≡ *Mammillaria huitzilopochtli* var. *niduliformis* A.B.Lau in J. Mammillaria Soc. 34(4): 46. 1994 syn. sec. Hernández & Gómez-Hinostrosa (2015)

***Mammillaria humboldtii* Ehrenb. in *Linnaea* 14: 378. 1840. Sec. Hunt (2016)**

- ≡ *Cactus humboldtii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria candida* f. *humboldtii* (Ehrenb.) Schelle, Kakteen: 302. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella humboldtii* (Ehrenb.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita humboldtii* (Ehrenb.) Buxb. in Sukkulentenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis humboldtii* (Ehrenb.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria jaliscana* (Britton & Rose) Boed., *Mammillarien-Vergleichs-Schlüssel*: 35. 1933. Sec. Hunt (2016)**

- ≡ *Neomammillaria jaliscana* Britton & Rose, Cactaceae 4: 160–161. 1923 syn. sec. Hunt (2016) ≡ *Chilita jaliscana* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella jaliscana* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis jaliscana* (Britton & Rose) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria jaliscana* subsp. *jaliscana*. Sec. Hunt (2016)**

- = *Mammillaria kleiniorum* Appenz. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 10: 197. 1986 syn. sec. Hunt (2016)
= *Mammillaria fuscohamata* Backeb. ex Repp., Gattung Mammill. Monogr. 1: 182. 1991 syn. sec. Hunt (2016)

***Mammillaria jaliscana* subsp. *zacatecasensis* (Shurly) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997. Sec. Hunt (2016)**

- ≡ *Mammillaria zacatecasensis* Shurly in Cact. Succ. J. Gr. Brit. 22: 51. 1960 syn. sec. Hunt (2016) ≡ *Neomammillaria zacatecasensis* (Shurly) Y.Itô, Cactaceae: 593. 1981 syn. sec. Hunt (2016) ≡ *Escobariopsis jaliscana* subsp. *zacatecasensis* (Shurly) Doweld in Sukkulenty 3: 40. 2000

***Mammillaria johnstonii* (Britton & Rose) Orcutt in *Cactography* 7. 1926. Sec. Hunt (2016)**

- ≡ *Neomammillaria johnstonii* Britton & Rose, Cactaceae 4: 80–81, f. 72b. 1923 syn. sec. Hunt (2016)
= *Mammillaria johnstonii* var. *guaymensis* R.T.Craig, Mammill. Handb.: 99. 1945 syn. sec. Kew WCVP (2019)
= *Mammillaria johnstonii* var. *sancarlensis* R.T.Craig, Mammill. Handb.: 99. 1945 syn. sec. Kew WCVP (2019) –
Neomammillaria johnstonii var. *sancarlensis* (R.T.Craig) Y.Itô, Cactaceae: 620. 1981, nom. inval. syn. sec. Kew WCVP (2019)
– *Mammillaria johnstonii* var. *typica* R.T.Craig, Mammill. Handb.: 99. 1945, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria karwinskiana* Mart. in *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 16(1): 335, pl. 22. 1832. Sec. Hunt (2016)**

- ≡ *Cactus karwinskianus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria karwinskiana* (Mart.) Britton & Rose, Cactaceae 4: 95–96. 1923 syn. sec. Hunt (2016)
= *Mammillaria parmentieri* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 6: 429. 1830 syn. sec. Kew WCVP (2019)
= *Mammillaria subpolyedra* Salm-Dyck, Hort. Dyck.: 343. 1834 syn. sec. Tropicos ≡ *Cactus subpolyedrus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria subpolyedra* (Salm-Dyck) Britton & Rose, Cactaceae 4: 105. 1923 syn. sec. Tropicos
= *Mammillaria jalappensis* Pfeiff., Enum. Diagn. Cact.: 17. 1837 syn. sec. Kew WCVP (2019)
= *Mammillaria karwinskiana* var. *flavescens* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 19. 1837 syn. sec. Kew WCVP (2019)
= *Cactus bergii* Miq., Comm. Phytogr.: 103. 1840 syn. sec. Kew WCVP (2019)
= *Mammillaria geminata* Scheidw. in Allg. Gartenzeitung 9: 42. 1841 syn. sec. Tropicos ≡ *Cactus geminatus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
= *Mammillaria karwinskii* Lawr. in Gard. Mag. (London) 17: 315. 1841 syn. sec. Kew WCVP (2019)
= *Mammillaria pyrrocephala* Scheidw. in Allg. Gartenzeitung 9: 42. 1841 syn. sec. Tropicos ≡ *Cactus pyrrocephalus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria pyrrocephala* (Scheidw.) Britton & Rose, Cactaceae 4: 99. 1923 syn. sec. Hunt (2016) ≡ *Neomammillaria pyrrocephala* (Scheidw.) Britton & Rose, Cactaceae 4: 99–100, f. 100. 1923 syn. sec. Tropicos ≡ *Mammillaria malletiana* var. *pyrrocephala* (Scheidw.) Schelle, Kakteen: 337. 1926 syn. sec. Hunt (2016)
= *Mammillaria virens* Scheidw. in Allg. Gartenzeitung 9: 43. 1841 syn. sec. Tropicos ≡ *Mammillaria karwinskiana* var. *virens* (Scheidw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 10. 1845 syn. sec. Kew WCVP (2019) ≡ *Cactus virens* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
= *Mammillaria voburnensis* Scheer in London J. Bot. 4: 136–137. 1845 syn. sec. Hunt (2016) ≡ *Neomammillaria voburnensis* (Scheer) Britton & Rose, Cactaceae 4: 100. 1923 [as "*woburnensis*"] syn. sec. Hunt (2016) ≡ *Cactus voburnensis* (Scheer) Kuntze, Revis. Gen. Pl. 1: 261. 1891 [as "*woburnensis*"] syn. sec. Tropicos ≡ *Mammillaria voburnensis* subsp. *voburnensis* ≡ *Mammillaria voburnensis* var. *voburnensis* – *Neomammillaria voburnensis* (Scheer) Britton & Rose, Cactaceae 4: 100. 1923, nom. inval. syn. sec. TPL (2013) – *Mammillaria voburnensis* Scheer, nom. inval. syn. sec. TPL (2013)
= *Mammillaria praelii* Muehlenpf. in Allg. Gartenzeitung 14(47): 372. 1846 syn. sec. Hunt (2016) ≡ *Mammillaria viridis* var. *praelii* (Muehlenpf.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 16. 1850 syn. sec. Tropicos ≡ *Cactus praelii* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria praelii* (Muehlenpf.) Britton & Rose, Cactaceae 4: 96–97. 1923 syn. sec. Tropicos
= *Mammillaria senkii* C.F.Först., Handb. Cacteenk.: 227. 1846 syn. sec. Britton & Rose (1923)
= *Mammillaria malletiana* Cels, Portef. Hort. 2: 222. 1848 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pyrrocephala* var. *malletiana* (Cels) Borg, Cacti, ed. 1: 354. 1937 syn. sec. Kew WCVP (2019)
= *Mammillaria multiseta* Ehrenb. in Allg. Gartenzeitung 17: 242. 1849 syn. sec. Hunt (2016)
= *Mammillaria pyrrocephala* var. *donkelaerii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)
= *Mammillaria viridis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 116. 1850 syn. sec. Britton & Rose (1923) ≡ *Cactus viridis* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos

- = *Mammillaria closiana* Roum. in Bull. Soc. Bot. France 2: 372. 1855 syn. sec. Kew WCVP (2019)
- = *Mammillaria inclinis* Lem. in Ill. Hort. 5: Misc. 9. 1858 syn. sec. Kew WCVP (2019)
- = *Cactus multisectus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- = *Neomammillaria konzattii* Britton & Rose, Cactaceae 4: 103–104, f. 104. 1923 syn. sec. Tropicos ≡ *Mammillaria konzattii* Orcutt in Cactography 7. 1926 syn. sec. Tropicos ≡ *Mammillaria confusa* var. *konzattii* (Britton & Rose) R.T.Craig, Mammill. Handb.: 24. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria strobilina* Tiegel in Möller's Deutsche Gärtn.-Zeitung 48: 329. 1933 syn. sec. Tropicos
- = *Mammillaria nejapensis* var. *brevispina* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 58. 1948 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nejapensis* f. *brevispina* (R.T.Craig & E.Y.Dawson) Krainz, Kakteen 18: C VIIIc. 1961 syn. sec. Kew WCVP (2019) – *Neomammillaria nejapensis* var. *brevispina* (R.T.Craig & E.Y.Dawson) Y.Itô, Cactaceae: 619. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria nejapensis* var. *longispina* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 58. 1948 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nejapensis* f. *longispina* (R.T.Craig & E.Y.Dawson) Krainz, Kakteen 18: C VIIIc. 1961 syn. sec. Kew WCVP (2019) – *Neomammillaria nejapensis* var. *longispina* (R.T.Craig & E.Y.Dawson) Y.Itô, Cactaceae: 619. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria ebenacantha* Shurly in Backeberg, Cactaceae 5: 3469. 1961 syn. sec. Tropicos
- = *Mammillaria voburnensis* var. *gerhardii* Diers in Kakteen And. Sukk. 44: 246. 1993 syn. sec. WFO 2019
- = *Mammillaria fulvolanata* Hildm. syn. sec. IPNI ≡ *Mammillaria malletiana* f. *fulvolanata* (Hildm.) Schelle, Kakteen: 337. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria confusa* var. *centrispina* R.T.Craig, Mammill. Handb.: 25. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria confusa* var. *centrispina* (R.T.Craig) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria confusa* var. *robustispina* R.T.Craig, Mammill. Handb.: 25. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria confusa* var. *robustispina* (R.T.Craig) Y.Itô, Cactaceae: 618. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria rhodacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850, nom. inval. syn. sec. Kew WCVP (2019) – *Neomammillaria neomystax* var. *rhodacantha* (Y.Itô) Y.Itô, Cactaceae: 611. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria nejapensis* var. *typica* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 57. 1948, nom. inval. syn. sec. Kew WCVP (2019)
- *Neomammillaria nejapensis* var. *aureispina* Y.Itô, Cactaceae: 619. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Neomammillaria nejapensis* var. *elegans* Y.Itô, Cactaceae: 619. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Cactus woburnensis* (Scheer) Kuntze, nom. inval. syn. sec. TPL (2013)
- Mammillaria karwinskiana* subsp. *beiselii* (Diers) D.R.Hunt, Mammillaria Postscripts 6: 11. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria beiselii* Diers in Kakteen And. Sukk. 30(3): 60. 1979 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria nagliana* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 173. 1989 syn. sec. Hunt (2016)
- Mammillaria karwinskiana* subsp. *collinsii* (Britton & Rose) D.R.Hunt, Mammillaria Postscripts 6: 11. 1997.** Sec. Hunt (2016)
- ≡ *Neomammillaria collinsii* Britton & Rose, Cactaceae 4: 101, f. 101, 103. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria collinsii* (Britton & Rose) Orcutt in Cactography 7. 1926 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria voburnensis* var. *collinsii* (Britton & Rose) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 175. 1987 syn. sec. Kew WCVP (2019) ≡ *Mammillaria voburnensis* subsp. *collinsii* (Britton & Rose) U.Guzmán, Cat. Cactaceas Mex.: 164. 2003 syn. sec. Hernández & Gómez-Hinostrosa (2015) – *Mammillaria woburnensis* var. *collinsii* (Britton & Rose) Repp. syn. sec. TPL (2013) [is misspelling for *Mammillaria voburnensis* var. *collinsii* (Britton & Rose) Repp.]
- = *Mammillaria jozef-bergeri* Wojn. & Prajer in Swiat Kakt. 1969: 84. 1969 syn. sec. Hunt (2016)
- = *Mammillaria voburnensis* var. *quetzalcoatli* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 177. 1987 syn. sec. WFO 2019
- = *Mammillaria tropica* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 171. 1989 syn. sec. Hunt (2016)
- Mammillaria karwinskiana* subsp. *karwinskiana*.** Sec. Hunt (2016)
- = *Mammillaria fischeri* Pfeiff. in Allg. Gartenzeitung 4: 257. 1836 syn. sec. Tropicos ≡ *Cactus fischeri* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicos
- = *Neomammillaria confusa* Britton & Rose, Cactaceae 4: 102, t. 5, f. 2. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria pyrrhocephala* var. *confusa* (Britton & Rose) Borg, Cacti, ed. 1: 354. 1937 syn. sec. Kew WCVP (2019)
- = *Mammillaria confusa* Orcutt in Cactography 7. 1926 syn. sec. Hunt (2016)
- = *Mammillaria neomystax* Backeb. in Cactus (Paris) 31(Suppl.): 5. 1952 syn. sec. Hunt (2016) ≡ *Neomammillaria neomystax* (Backeb.) Y.Itô, Cactaceae: 610. 1981 syn. sec. Korotkova (2021)
- Mammillaria karwinskiana* subsp. *nejapensis* (R.T.Craig & E.Y.Dawson) D.R.Hunt, Mammillaria Postscripts 6: 1. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria nejapensis* R.T.Craig & E.Y.Dawson in Allan Hancock Found. Publ. Occas. Pap. 2: 57. 1948 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria nejapensis* (R.T.Craig & E.Y.Dawson) Y.Itô, Cactaceae: 618. 1981 syn. sec. Korotkova (2021)
- Mammillaria klissingiana* Boed. in Z. Sukkulente. 3(7): 123–124. 1927–1928.** Sec. Hunt (2016)
- ≡ *Neomammillaria klissingiana* (Boed.) Y.Itô, Cactaceae: 578. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria brauneana* Boed. in Kakteenkunde 1933: 113. 1933 syn. sec. Hunt (2016) ≡ *Neomammillaria brauneana* (Boed.) Y.Itô, Cactaceae: 586. 1981 syn. sec. Korotkova (2021)
- Mammillaria knippeliana* Quehl in Monatsschr. Kakteenk. 17: 59. 1907.** Sec. Hunt (2016)

***Mammillaria kraehenbuehlii* (Krainz) Krainz, Kakteen 46–47: CVIc. 1971. Sec. Hunt (2016)**

≡ *Pseudomammillaria kraehenbuehlii* Krainz in Kakteen And. Sukk. 22(1): Beil. 1970 syn. sec. Hunt (2016) ≡ *Escobariopsis kraehenbuehlii* (Krainz) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria lasiacantha* Engelm. in Proc. Amer. Acad. Arts 3: 261. 1856. Sec. Hunt (2016)**

≡ *Cactus lasiacanthus* (Engelm.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria lasiacantha* (Engelm.) Britton & Rose, Cactaceae 4: 128–129. 1923 syn. sec. Korotkova (2021) ≡ *Chilita lasiacantha* (Engelm.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella lasiacantha* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis lasiacantha* (Engelm.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiacantha* subsp. *lasiacantha*

= *Mammillaria lasiacantha* var. *minor* Engelm., Rep. U.S. Mex. Bound. 2 (Cact.): 5. 1858 syn. sec. Kew WCVP (2019)

= *Mammillaria lasiacantha* var. *denudata* Engelm., Rep. U.S. Mex. Bound., Cact.: 5. 1859 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus lasiacanthus* var. *denudatus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 100. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiacantha* f. *denudata* (Engelm.) Schelle, Handb. Kakteenkult.: 248. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiandra* var. *denudata* (Engelm.) Quehl in Monatsschr. Kakteenk. 19: 79. 1909 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria denudata* (Engelm.) Britton & Rose, Cactaceae 4: 129, f. 139. 1923 syn. sec. Tropicos ≡ *Chilita denudata* (Engelm.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria denudata* (Engelm.) A.Berger, Kakteen: 288. 1929 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella denudata* (Engelm.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019)

= *Mammillaria stella-de-tacubaya* Heese in Gartenflora 53(8): 214–215. 1904 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria lasiacantha* f. *stella-de-tacubaya* (Heese) W.A.Fitz Maur. & B.Fitz Maur. in J. Mammillaria Soc. 45: 21. 2005 syn. sec. Kew WCVP (2019)

= *Mammillaria tacubayensis* Fedde, Nov. Gen. Sp. Ind. 1905: 443. 1905 syn. sec. Tropicos ≡ *Neomammillaria tacubayensis* (Fedde) Britton & Rose, Cactaceae 4: 164. 1923 syn. sec. Korotkova (2021) ≡ *Ebnerella tacubayensis* (Fedde) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita tacubayensis* (Fedde) Buxb. in Sukkulentenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria lengdobleriana* Boed., Kaktus-ABC: 381. 1935 syn. sec. Hunt (2016) ≡ *Chilita lengdobleriana* (Boed.) Buxb. in Sukkulentenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria magallanii* Schmoll ex R.T.Craig, Mammill. Handb.: 225, f. 205. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella magallanii* (Schmoll ex R.T.Craig) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita magallanii* (Schmoll ex R.T.Craig) Buxb. in Sukkulentenkunde 5: 25. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria magallanii* (Schmoll ex R.T.Craig) Y.Itô, Cactaceae: 570. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria lasiacantha* subsp. *magallanii* (Schmoll ex R.T.Craig) D.R.Hunt, Mammillaria Postscripts 6: 7. 1997 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis lasiacantha* subsp. *magallanii* (Schmoll ex R.T.Craig) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiacantha* f. *magallanii* (Schmoll ex R.T.Craig) W.A.Fitz Maur. & B.Fitz Maur. in J. Mammillaria Soc. 45: 21. 2005 syn. sec. Kew WCVP (2019)

= *Mammillaria neobertrandiana* Backeb. in Cactus (Paris) 31(Suppl.): 10. 1952 syn. sec. Hunt (2016)

= *Mammillaria magallanii* var. *hamatispina* Backeb., Cactaceae 6: 3882. 1962 syn. sec. Kew WCVP (2019)

= *Neomammillaria egregia* (Backeb.) Y.Itô, Cactaceae: 569. 1981, nom. illeg. syn. sec. Korotkova (2021) ≡ *Mammillaria egregia* Backeb. ex Rogoz. & Appenz. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 13(3): 108–116. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria lasiacantha* subsp. *egregia* (Backeb. ex Rogoz. & Appenz.) D.R.Hunt, Mammillaria Postscripts 7: 3. 1998 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Escobariopsis lasiacantha* subsp. *egregia* (Backeb. ex Rogoz. & Appenz.) Doweld in Sukkulenty 3: 40. 2000 ≡ *Mammillaria stella-de-tacubaya* var. *egregia* (Backeb. ex Rogoz. & Appenz.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 30: 180. 2006 syn. sec. Kew WCVP (2019) ≡ *Mammillaria stella-de-tacubaya* subsp. *egregia* (Backeb. ex Rogoz. & Appenz.) Appenz. & Linzen, Loseblattsamml. Arbeitskreises Mammillarienfr. 2007: 1. 2008 ["2007"] – *Mammillaria egregia* Backeb., Cactaceae 5: 3261. 1961, nom. inval. syn. sec. Hunt (2016)

= *Mammillaria wohlschlagerei* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 49. 1987 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Escobariopsis lasiacantha* subsp. *wohlschlagerei* (Repp.) Doweld in Sukkulenty 3: 40. 2000, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Mammillaria lasiacantha* f. *wohlschlagerei* (Repp.) Hoeve in J. Mammillaria Soc. 47(3): 62. 2007 syn. sec. Kew WCVP (2019)

= *Mammillaria lasiacantha* subsp. *hyalina* D.R.Hunt, Mammillaria Postscripts 6: 6. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)

= *Mammillaria kupcakii* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 36. 2000 syn. sec. Kew WCVP (2019)

= *Mammillaria lasiacantha* f. *cuchillensis* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 31(1): 31. 2007 syn. sec. Kew WCVP (2019)

= *Mammillaria lasiacantha* f. *diablensis* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 31(1): 30. 2007 syn. sec. Kew WCVP (2019)

= *Mammillaria lasiacantha* var. *hamatispina* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 31(1): 31. 2007 syn. sec. Kew WCVP (2019)

= *Mammillaria hermosana* Linzen, Hoeve & Mart.-Aval. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 38: 4. 2014 syn. sec. Kew WCVP (2019)

***Mammillaria laui* D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 100. 1979. Sec. Hunt (2016)**

≡ *Escobariopsis laui* (D.R.Hunt) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria laui* subsp. *dasyacantha* (D.R.Hunt) D.R.Hunt, *Mammillaria Postscripts* 6: 7. 1997. Sec. Hunt (2016)**

≡ *Mammillaria laui* f. *dasyacantha* D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 100. 1979 syn. sec. Hunt (2016) ≡ *Mammillaria subducta* var. *dasyacantha* (D.R.Hunt) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens, ed. 2: 55, 57. 1989 ≡ *Escobariopsis laui* subsp. *dasyacantha* (D.R.Hunt) Doweld in Sukkulenty 3: 40. 2000

***Mammillaria laui* subsp. *laui*. Sec. Hunt (2016)**

***Mammillaria laui* subsp. *subducta* (D.R.Hunt) D.R.Hunt, *Mammillaria Postscripts* 6: 7. 1997. Sec. Hunt (2016)**

≡ *Mammillaria laui* f. *subducta* D.R.Hunt in Cact. Succ. J. Gr. Brit. 41: 100. 1979 syn. sec. Hunt (2016) ≡ *Mammillaria subducta* (D.R.Hunt) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 55. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Escobariopsis laui* subsp. *subducta* (D.R.Hunt) Doweld in Sukkulenty 3: 40. 2000

***Mammillaria lenta* K.Brandege in *Zoë* 5(10): 194. 1905. Sec. Hunt (2016)**

≡ *Neomammillaria lenta* (K.Brandege) Britton & Rose, Cactaceae 4: 129–130, f. 137, 140. 1923 syn. sec. Korotkova (2021) ≡ *Chilita lenta* (K.Brandege) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis lenta* (K.Brandege) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria linarensis* R.Wolf & F.Wolf in *Kakteen And. Sukk.* 41(11): 264. 1990. Sec. Hunt (2016)**

≡ *Mammillaria melanocentra* subsp. *linarensis* (R.Wolf & F.Wolf) D.R.Hunt, *Mammillaria Postscripts* 6: 10. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)

***Mammillaria longiflora* (Britton & Rose) A.Berger, *Kakteen:* 296. 1929. Sec. Hunt (2016)**

≡ *Neomammillaria longiflora* Britton & Rose, Cactaceae 4: 163–164, f. 181. 1923 syn. sec. Hunt (2016) ≡ *Chilita longiflora* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Krainzia longiflora* (Britton & Rose) Backeb. in Blätt. Kakteenf. 1938(6): 12, 20. 1938 syn. sec. Korotkova (2021) ≡ *Phellosperma longiflora* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 92. 1951 syn. sec. Kew WCVP (2019)

***Mammillaria longiflora* subsp. *longiflora*. Sec. Hunt (2016)**

= *Mammillaria stampferi* Repp. in *Kakteen And. Sukk.* 30(8): 187. 1979 syn. sec. Hunt (2016) ≡ *Mammillaria longiflora* f. *stampferi* (Repp.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 97. 1979 syn. sec. Tropicos ≡ *Mammillaria longiflora* subsp. *stampferi* (Repp.) D.R.Hunt, *Mammillaria Postscripts* 6: 5. 1997 syn. sec. Tropicos ≡ *Krainzia longiflora* subsp. *stampferi* (Repp.) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria longiflora* subsp. *tepexcicensis* (J.Meyrán) Lüthy in *Kakteen And. Sukk.* 51(7): 171. 2000. Sec. Hunt (2016)**

≡ *Mammillaria tepexcicensis* J.Meyrán in Cact. Suc. Mex. 36(3): 62. 1991 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Krainzia tepexcicensis* (J.Meyrán) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Korotkova (2021)

***Mammillaria longimamma* DC., *Rev. Cact.:* 113. 1829. Sec. Hunt (2016)**

≡ *Cactus longimamma* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Dolichothele longimamma* (DC.) Britton & Rose, Cactaceae 4: 62. 1923 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria longimamma* (DC.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Korotkova (2021) ≡ *Mammillaria longimamma* var. *longimamma*

= *Mammillaria uberiformis* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 23. 1837 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡

Cactus uberiformis (Zucc. ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria*

longimamma var. *uberiformis* (Zucc. ex Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 508. 1898 syn. sec. Hunt (2016) ≡

Mammillaria longimamma f. *uberiformis* (Zucc. ex Pfeiff.) Schelle, Handb. Kakteenkult.: 244. 1907 syn. sec. Hunt (2016) ≡

Dolichothele uberiformis (Zucc. ex Pfeiff.) Britton & Rose, Cactaceae 4: 63. 1923 syn. sec. Kew WCVP (2019) ≡

Neomammillaria uberiformis (Zucc. ex Pfeiff.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Korotkova (2021) ≡

Dolichothele longimamma subsp. *uberiformis* (Zucc. ex Pfeiff.) Krainz, *Kakteen* 57: CVIIIc. 1974

= *Mammillaria longimamma* var. *hexacantha* O.Berg in Allg. Gartenzeitung 8: 130. 1840 syn. sec. Kew WCVP (2019)

= *Mammillaria gigantothele* C.F.Först., Handb. Cacteenk.: 183. 1846 syn. sec. Kew WCVP (2019)

= *Mammillaria hexacantha* Otto, Handb. Cacteenk.: 183. 1846 syn. sec. Kew WCVP (2019) ≡ *Mammillaria longimamma* f.

hexacantha (Otto) Schelle, Handb. Kakteenkult.: 245. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria longimamma* var. *gigantothele* O.Berg ex C.F.Först., Handb. Cacteenk.: 183. 1846 syn. sec. Kew WCVP (2019)

≡ *Dolichothele longimamma* f. *gigantothele* (O.Berg) Krainz, *Kakteen* 57: CVIIIc. 1974 syn. sec. Kew WCVP (2019)

= *Mammillaria alpina* Mart. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 79. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus alpinus*

(Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria longimamma* var. *congesta* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 79. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria uberiformis* var. *hexacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 6. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria globosa* Linke in Allg. Gartenzeitung 25: 240. 1857 syn. sec. Kew WCVP (2019) ≡ *Dolichothele longimamma* f.

globosa (Linke) Krainz, *Kakteen* 57: CVIIIc. 1974 syn. sec. Korotkova (2021)

= *Mammillaria uberiformis* var. *gracilior* Meinsh. in Wochenschr. Vereines Beförd. Gartenbaues Königl. Preuss. Staaten 1: 26.

1858 syn. sec. Kew WCVP (2019)

= *Mammillaria barlowii* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 46. 1860 syn. sec. Tropicos ≡

Cactus barlowii (Regel & Klein bis) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria laeta* Meinsh. ex Rümpler, Handb. Cacteenk., ed. 2: 246. 1885 syn. sec. Kew WCVP (2019)

= *Mammillaria longimamma* var. *globosa* K.Schum., Gesamtbeschr. Kakt.: 508. 1898 syn. sec. Kew WCVP (2019) ≡

Mammillaria longimamma f. *globosa* (K.Schum.) Schelle, Handb. Kakteenkult.: 244. 1907 syn. sec. Kew WCVP (2019)

***Mammillaria luethyi* G.S.Hinton in *Phytologia* 80(1): 58–61. 1996. Sec. Hunt (2016)**

***Mammillaria magnifica* F.G.Buchenau in Cact. Suc. Mex. 12: 3. 1967.** Sec. Hunt (2016)

= *Mammillaria magnifica* var. *minor* Franc.G.Buchenau in Cact. Suc. Mex. 12: 3. 1967 syn. sec. Kew WCVP (2019)

***Mammillaria magnimamma* Haw. in Philos. Mag. J. 63: 41. 1824.** Sec. Hunt (2016)

≡ *Cactus magnimamma* Salm-Dyck ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *magnimamma* (Haw.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *magnimamma* (Haw.) Schelle, Handb. Kakteenkult.: 267. 1907, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Neomammillaria magnimamma* (Haw.) Britton & Rose, Cactaceae 4: 77–79. 1923 syn. sec. Korotkova (2021)

= *Mammillaria divergens* DC. in Mém. Mus. Hist. Nat. 17: 113. 1828 syn. sec. Hunt (2016) ≡ *Cactus divergens* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *divergens* (DC.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *divergens* (DC.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria magnimamma* var. *divergens* (DC.) Borg, Cacti, ed. 1: 345. 1937 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria centricirrha* var. *divergens* (DC.) Y.Itô, Cactaceae: 617. 1981 syn. sec. Kew WCVP (2019)

= *Mammillaria macracantha* DC. in Mém. Mus. Hist. Nat. 17: 113. 1828 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus macracanthus* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *macracantha* (DC.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *macracantha* (DC.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria macracantha* (DC.) Britton & Rose, Cactaceae 4: 79–80. 1923 syn. sec. Korotkova (2021)

= *Mammillaria gladiata* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 16(1): 336. 1832 syn. sec. Tropicos ≡ *Cactus gladiatus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *gladiata* (Mart.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria zucariniana* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 16(1): 331. 1832 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *zucariniana* (Mart.) Schelle, Handb. Kakteenkult.: 268. 1907 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria zucariniana* (Mart.) Britton & Rose, Cactaceae 4: 89–90, f. 83. 1923 syn. sec. Tropicos ≡ *Chilita zucariniana* (Mart.) Orcutt in Cactography 3. 1926 syn. sec. Kew WCVP (2019)

= *Mammillaria ceratophora* Lehm. in Allg. Gartenzeitung 3: 228. 1835 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *ceratophora* (Lehm.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria hystrix* Mart. ex Pfeiff., Enum. Diagn. Cact.: 21. 1837 syn. sec. Hunt (2016) ≡ *Cactus hystrix* (Mart.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)

= *Mammillaria lehmannii* Pfeiff., Enum. Diagn. Cact.: 23. 1837 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Mammillaria macrothele* var. *lehmannii* (Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 19. 1850 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Cactus lehmannii* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Mammillaria recurva* Lehm. ex Pfeiff., Enum. Diagn. Cact.: 15. 1837 syn. sec. Britton & Rose (1923) ≡ *Mammillaria centricirrha* var. *recurva* (Lehm. ex Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *recurva* (Lehm. ex Pfeiff.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) – *Neomammillaria centricirrha* var. *recurva* (Lehm. ex Pfeiff.) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)

= *Mammillaria arietina* Lem., Cact. Aliq. Nov.: 10. 1838 syn. sec. Tropicos ≡ *Mammillaria magnimamma* var. *arietina* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 12. 1845 syn. sec. Tropicos ≡ *Mammillaria magnimamma* f. *arietina* (Lem.) Voss, Vilm. Blumengärtn., ed. 3, 1: 370. 1894 syn. sec. Kew WCVP (2019)

= *Mammillaria deflexispina* Lem., Cact. Aliq. Nov.: 6. 1838 syn. sec. Britton & Rose (1923) ≡ *Mammillaria centricirrha* var. *deflexispina* (Lem.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria ehrenbergii* Pfeiff. in Allg. Gartenzeitung 6: 274. 1838 syn. sec. Tropicos ≡ *Cactus ehrenbergii* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *ehrenbergii* (Pfeiff.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria microceras* Lem., Cact. Aliq. Nov.: 6. 1838 syn. sec. Tropicos ≡ *Cactus microceras* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *microceras* (Lem.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria versicolor* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 494. 1838 syn. sec. Tropicos ≡ *Cactus versicolor* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *versicolor* (Scheidw.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)

= *Mammillaria centricirrha* Lem., Cact. Gen. Sp. Nov.: 42. 1839 syn. sec. Tropicos ≡ *Cactus centricirrhus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria centricirrha* (Lem.) Y.Itô, Cactaceae: 617. 1981 syn. sec. Tropicos

= *Mammillaria centricirrha* var. *macrothele* Lem., Cact. Gen. Sp. Nov.: 42. 1839 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *macrothele* (Lem.) Schelle, Kakteen: 329. 1926 syn. sec. Kew WCVP (2019)

= *Mammillaria guillemianiana* Lem., Cact. Gen. Sp. Nov.: 48. 1839 syn. sec. Kew WCVP (2019) ≡ *Cactus guillemianus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 ≡ *Mammillaria centricirrha* var. *guillemianiana* (Lem.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) – *Cactus guillemianus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. TPL (2013) [is misspelling for *Cactus guillemianus* (Lem.) Kuntze]

= *Mammillaria magnimamma* var. *spinosior* Lem., Cact. Gen. Sp. Nov.: 94. 1839 syn. sec. Kew WCVP (2019)

- = *Mammillaria neumanniana* Lem., Cact. Gen. Sp. Nov.: 53. 1839 syn. sec. Tropicos ≡ *Cactus neumannianus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *neumanniana* (Lem.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria polythele* f. *neumanniana* (Lem.) Schelle, Kakteen: 321. 1926 syn. sec. Kew WCVP (2019) – *Neomammillaria centricirrha* var. *neumanniana* (Lem.) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria sericata* Lem., Cact. Gen. Sp. Nov.: 44. 1839 syn. sec. Kew WCVP (2019) ≡ *Mammillaria glochidiata* var. *sericata* (Lem.) Lem., Cact. Gen. Sp. Nov.: 40. 1839 syn. sec. Kew WCVP (2019) ≡ *Mammillaria schelhasii* var. *sericata* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 4. 1845 syn. sec. Kew WCVP (2019) – *Neomammillaria bocasana* var. *sericata* (Lem.) Y.Itô, Cactaceae: 571. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria ludwigii* Ehrenb. in Linnaea 14: 376. 1840 syn. sec. Tropicos ≡ *Cactus ludwigii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria pentacantha* Pfeiff. in Allg. Gartenzeitung 8: 406. 1840 syn. sec. Tropicos ≡ *Cactus pentacanthus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *pentacantha* (Pfeiff.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria phymatothele* A.Berger in Allg. Gartenzeitung 8: 129. 1840 syn. sec. Tropicos ≡ *Cactus phymatothele* (Bergm.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria phymatothele* (A.Berger) Britton & Rose, Cactaceae 4: 76–77, f. 68–70. 1923 syn. sec. Tropicos
- = *Mammillaria ludwigii* var. *clavata* Walp., Repert. Bot. Syst. 2: 299. 1843 syn. sec. Kew WCVP (2019)
- = *Mammillaria subcurvata* A.Dietr. in Allg. Gartenzeitung 12: 232. 1844 syn. sec. Britton & Rose (1923) ≡ *Mammillaria centricirrha* var. *subcurvata* (A.Dietr.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria diadema* Muehlenpf. in Allg. Gartenzeitung 13: 346. 1845 syn. sec. Tropicos ≡ *Cactus diadema* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicos ≡ *Mammillaria centricirrha* var. *diadema* (Muehlenpf.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria krameri* Muehlenpf. in Allg. Gartenzeitung 13: 347. 1845 syn. sec. Tropicos ≡ *Cactus krameri* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *krameri* (Muehlenpf.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* f. *krameri* (Muehlenpf.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) – *Neomammillaria centricirrha* var. *krameri* (Muehlenpf.) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria megacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 123. 1845 syn. sec. Kew WCVP (2019) ≡ *Cactus megacanthus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *megacantha* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Cereus lehmannii* C.F.Först., Handb. Cacteenk.: 245. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria foersteri* Muehlenpf. in Allg. Gartenzeitung 14: 371. 1846 syn. sec. Kew WCVP (2019) ≡ *Cactus foersteri* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *foersteri* (Muehlenpf.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria foveolata* Muehlenpf. in Allg. Gartenzeitung 14(47): 372. 1846 syn. sec. Tropicos ≡ *Cactus foveolatus* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria grandicornis* Muehlenpf. in Allg. Gartenzeitung 14(47): 372. 1846 syn. sec. Kew WCVP (2019) ≡ *Cactus grandicornis* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria macrantha* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 189. 1846 syn. sec. Britton & Rose (1923)
- = *Mammillaria bockii* C.F.Först. in Allg. Gartenzeitung 15: 50. 1847 syn. sec. Tropicos ≡ *Cactus bockii* (C.F.Först.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *bockii* (C.F.Först.) K.Schum., Gesamtbeschr. Kakt.: 582. 1898 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* f. *bockii* (C.F.Först.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Hunt (2016) ≡ *Mammillaria magnimamma* var. *bockii* (C.F.Först.) Borg, Cacti, ed. 1: 345. 1937 syn. sec. Hunt (2016) – *Neomammillaria centricirrha* var. *bockii* (C.F.Först.) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria pazzanii* D.C.Stieber in Bot. Zeitung (Berlin) 5: 491. 1847 syn. sec. Kew WCVP (2019) ≡ *Cactus pazzanii* (D.C.Stieber) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *pazzanii* (D.C.Stieber) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria divaricata* A.Dietr. in Allg. Gartenzeitung 16: 210. 1848 syn. sec. Tropicos ≡ *Cactus divaricatus* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. IPNI: 6 sept 2020 ≡ *Mammillaria centricirrha* var. *divaricata* (A.Dietr.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria glauca* A.Dietr. ex Linke in Allg. Gartenzeitung 16: 330. 1848 syn. sec. Britton & Rose (1923) ≡ *Cactus glaucus* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria centricirrha* var. *glauca* (A.Dietr. ex A.Linke) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria hopferiana* Linke in Allg. Gartenzeitung 16: 329. 1848 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *hopferiana* (Linke) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria flavovirens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 117. 1850 syn. sec. Tropicos ≡ *Neomammillaria flavovirens* (Salm-Dyck) Britton & Rose, Cactaceae 4: 85–86. 1923 syn. sec. Tropicos
- = *Mammillaria magnimamma* var. *lutescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria megacantha* var. *rigidior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 18. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria cirrosa* Poselg. in Allg. Gartenzeitung 21: 94. 1853 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirrha* var. *cirrosa* (Poselg.) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria pachytele* Poselg. in Allg. Gartenzeitung 23: 17. 1855 syn. sec. Kew WCVP (2019)

- = *Mammillaria lactescens* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 2: 117. 1859 syn. sec. Tropicos ≡ *Cactus lactescens* (Meinsh.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *lactescens* (Meinsh.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria falcata* Rümpler, Handb. Cacteenk., ed. 2: 345. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *falcata* (Rümpler) Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria gebweileriana* J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2: 358. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *gebweileriana* (J.N.Haage ex Rümpler) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019) – *Mammillaria geberweileriana* J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2: 358. 1885 syn. sec. TPL (2013) [is misspelling for *Mammillaria gebweileriana* J.N.Haage ex Rümpler]
- = *Mammillaria schmidtii* Sencke ex Rümpler, Handb. Cacteenk., ed. 2: 376. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *schmidtii* (Sencke ex Rümpler) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria uberimamma* Monv. ex Rümpler, Handb. Cacteenk., ed. 2: 374. 1885 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *uberimamma* (Monv. ex Rümpler) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Cactus alternatus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 95. 1894 syn. sec. Britton & Rose (1923)
- = *Mammillaria krauseana* K.Schum., Gesamtbeschr. Kakt.: 595. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria centricirra* var. *krauseana* (K.Schum.) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria senckeana* K.Schum., Gesamtbeschr. Kakt.: 575. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria senckeii* Horkel ex K.Schum., Gesamtbeschr. Kakt.: 575. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria trohartii* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 586. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria phymatothele* var. *trohartii* (Hildm. ex K.Schum.) R.T.Craig, Mammill. Handb.: 75. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria centricirra* var. *arietina* Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria centricirra* var. *conopsea* Schelle, Handb. Kakteenkult.: 266. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria centricirra* var. *pachythele* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 267. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria macracantha* var. *retrocurva* Keller-Hoerschelmann in Kakteenkunde & Kakteenfr. 6: 86. 1937 syn. sec. Kew WCVP (2019)
- = *Mammillaria bucareliensis* R.T.Craig, Mammill. Handb.: 61. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria bucareliensis* var. *bicornuta* F.Schmoll ex R.T.Craig, Mammill. Handb.: 62. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria vagaspina* R.T.Craig, Mammill. Handb.: 62. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria vagaspina* (R.T.Craig) Y.Itô, Cactaceae: 606. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria bucareliensis* var. *multiflora* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 164. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria bucareliensis* var. *tamaulipa* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 166. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria seitziana* var. *tolantongensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 154. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria vallensis* var. *brevispina* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 158. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria priessnitzii* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 158. 1989 syn. sec. Hunt (2016)
- = *Mammillaria rioverdensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 162. 1989 syn. sec. Hunt (2016) – *Mammillaria rioverdense* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 162. 1989 syn. sec. TPL (2013) [is orthographic variant for *Mammillaria rioverdensis* Repp.]
- = *Mammillaria saxicola* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 160. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria vallensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 156. 1989 syn. sec. Hunt (2016)
- = *Mammillaria centricirra* var. *inermis* Y.Itô syn. sec. IPNI – *Neomammillaria centricirra* var. *inermis* (Y.Itô) Y.Itô, Cactaceae: 617. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria centricirra* var. *polygona* Schelle, Handb. Kakteenkult.: 267. 1907, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria centricirra* var. *pulchra* Schelle, Handb. Kakteenkult.: 267. 1907, nom. inval. syn. sec. Kew WCVP (2019)
- *Mammillaria vagaspina* subsp. *immersa* Mészáros & Szutorisz in Succulentent 2006(4): 27. 2006, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria mammillaris* (L.) H.Karst., Deut. Fl.: 888. 1882.** Sec. Hunt (2016)
- ≡ *Cactus mammillaris* L., Sp. Pl.: 466. 1753 syn. sec. Hunt (2016) ≡ *Neomammillaria mammillaris* (L.) Britton & Rose, Cactaceae 4: 70–71, f. 64. 1923 syn. sec. Korotkova (2021)
- = *Cactus mammillaris* var. *prolifer* Aiton, Hort. Kew. 2: 150. 1789 syn. sec. Hunt (2016)
- = *Cactus mammillaris* var. *glaber* DC., Pl. Hist. Succ.: t. 111. 1803 syn. sec. Hunt (2016)
- = *Cactus mammillaris* var. *lanuginosus* DC., Pl. Hist. Succ.: t. 111. 1803 syn. sec. Hunt (2016)
- = *Mammillaria simplex* Haw., Syn. Pl. Succ.: 177. 1812, nom. cons. syn. sec. Hunt (2016)
- = *Mammillaria conica* Haw., Suppl. Pl. Succ.: 71. 1819 syn. sec. Hunt (2016) ≡ *Cactus conicus* (Haw.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Kew WCVP (2019)

- = *Mammillaria parvimamma* Haw., Suppl. Pl. Succ.: 72. 1819 syn. sec. Britton & Rose (1923) ≡ *Mammillaria simplex* var. *parvimamma* (Haw.) Lem., Cact. Gen. Sp. Nov.: 98. 1839 syn. sec. Kew WCVP (2019) ≡ *Cactus parvimamma* (Haw.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria parvimamma* (Haw.) Y.Itô, Cactaceae: 621. 1981 syn. sec. Hunt (2016) – *Cactus parvimammus* (Haw.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. TPL (2013) [is misspelling for *Cactus parvimamma* (Haw.) Kuntze]
- = *Cactus microthele* Spreng., Syst. Veg., ed. 16, 2: 494. 1825 syn. sec. Kew WCVP (2019)
- = *Mammillaria simplex* Torr. & A.Gray in Fl. N. Amer. 1: 553. 1840 syn. sec. Tropicos
- = *Mammillaria obvallata* Otto in Allg. Gartenzeitung 14: 308. 1846 syn. sec. Tropicos ≡ *Cactus obvallatus* (Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016)
- = *Mammillaria caracassana* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 14. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria fuliginosa* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Tropicos
- = *Mammillaria micrantha* Hort. ex Rümpler, Handb. Cacteenk., ed. 2: 335. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria microthele* Monv. ex Rümpler, Handb. Cacteenk., ed. 2: 335. 1885 syn. sec. Britton & Rose (1923)
- = *Mammillaria pseudosimplex* W.Haage & Backeb. in Backeberg, Cactaceae 6 6: 3888. 1962 syn. sec. Hunt (2016)
- = *Mammillaria simplex* var. *albidispina* Backeb., Kakteenlex.: 259. 1966 syn. sec. Kew WCVP (2019)
- Mammillaria marcosii* W.A.Fitz Maur., B.Fitz Maur. & Glass in Cact. Succ. J. (Los Angeles) 69(1): 10–14. 1997.** Sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria marksiana* Krainz in Sukkulenteenkunde 2: 21. 1948.** Sec. Hunt (2016)
- ≡ *Neomammillaria marksiana* (Krainz) Y.Itô, Cactaceae: 580. 1981 syn. sec. Korotkova (2021)
- Mammillaria mathildae* Kraehenb. & Krainz in Kakteen And. Sukk. 24(12): 265. 1973.** Sec. Hunt (2016)
- ≡ *Mammillaria fittkai* subsp. *mathildae* (Kraehenb. & Krainz) Lüthy in Taxon. Unters. Gatt. Mammillaria Haw. (Cactac.): 162. 1995 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Escobariopsis fittkai* subsp. *mathildae* (Kraehenb. & Krainz) Doweld in Sukkulenty 3: 40. 2000
- Mammillaria matudae* Bravo in Cact. Succ. J. Gr. Brit. 18: 83. 1956.** Sec. Hunt (2016)
- = *Mammillaria matudae* var. *serpentiniformis* Fittkau in Cact. Suc. Mex. 16: 42. 1971 syn. sec. Kew WCVP (2019)
- *Mammillaria matudae* f. *duocentralis* Fittkau in Cact. Suc. Mex. 16: 43. 1971, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria mazatlanensis* K.Schum. in Monatsschr. Kakteenk. 11: 154. 1901.** Sec. Hunt (2016)
- ≡ *Neomammillaria mazatlanensis* (K.Schum.) Britton & Rose, Cactaceae 4: 138. 1923 syn. sec. Korotkova (2021) ≡ *Chilita mazatlanensis* (K.Schum.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella mazatlanensis* (K.Schum.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis mazatlanensis* (K.Schum.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mazatlanensis* subsp. *mazatlanensis*
- = *Mammillaria littoralis* K.Brandege in Bull. Misc. Inform. Kew 1908: App. 91. 1908 syn. sec. Tropicos
- = *Neomammillaria occidentalis* Britton & Rose, Cactaceae 4: 161–162, f. 179. 1923 syn. sec. Hunt (2016) ≡ *Chilita occidentalis* (Britton & Rose) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria occidentalis* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 36. 1933 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella occidentalis* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mazatlanensis* var. *occidentalis* (Britton & Rose) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019)
- = *Neomammillaria sinaloensis* Rose, Fl. Indig. Sinaloa Cact.: 3. 1929 syn. sec. Kew WCVP (2019)
- = *Neomammillaria patonii* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 2: 129. 1931 syn. sec. Hunt (2016) ≡ *Mammillaria patonii* (Bravo) Werderm. in Backeberg, Neue Kakteen: 97. 1931 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria occidentalis* var. *patonii* (Bravo) R.T.Craig, Mammill. Handb.: 169. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mazatlanensis* f. *patonii* (Bravo) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mazatlanensis* subsp. *patonii* (Bravo) D.R.Hunt, Mammillaria Postscripts 7: 3. 1998 syn. sec. Tropicos ≡ *Escobariopsis mazatlanensis* subsp. *patonii* (Bravo) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria mazatlanensis* var. *monocentra* Craig, Mammillaria Handb.: 242, f. 219. 1945 syn. sec. Tropicos
- = *Mammillaria occidentalis* var. *sinalensis* R.T.Craig, Mammill. Handb.: 169. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria patonii* var. *sinalensis* (R.T.Craig) Backeb., Cactaceae 5: 3291. 1961 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mazatlanensis* f. *sinalensis* (R.T.Craig) Neutel. in Succulenta (Netherlands) 65: 119. 1986 syn. sec. Kew WCVP (2019)
- Mammillaria melaleuca* Karw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 108. 1850.** Sec. Hunt (2016)
- ≡ *Cactus melaleucus* (Karw. ex Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria longimamma* f. *melaleuca* (Karw. ex Salm-Dyck) Schelle, Kakteen: 298. 1926 ≡ *Dolichothele melaleuca* (Karw. ex Salm-Dyck) Boed., Mammill.-Vergl.-Schlüssel: 19. 1933 syn. sec. Kew WCVP (2019)
- Mammillaria melanocentra* Poselg. in Allg. Gartenzeitung 23: 18. 1855.** Sec. Hunt (2016)
- *Mammillaria melanocentra* var. *typica* R.T.Craig, Mammill. Handb.: 64. 1945, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria melanocentra* subsp. *melanocentra*.** Sec. Hunt (2016)
- = *Mammillaria erinacea* H.Wendl. in Cat. Hort. Herrenh. 1835 syn. sec. Tropicos
- Mammillaria melanocentra* subsp. *rubrograndis* (Repp. & A.B.Lau) D.R.Hunt, Mammillaria Postscripts 6: 10. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria rubrograndis* Repp. & A.B.Lau in Kakteen And. Sukk. 30(4): 83. 1979 syn. sec. Hunt (2016)

***Mammillaria mercadensis* Patoni in *Alianza Cient. Univ.* 1: 54. 1910. Sec. Hunt (2016)**

- ≡ *Neomammillaria mercadensis* (Patoni) Britton & Rose, *Cactaceae* 4: 145, f. 160. 1923 syn. sec. Korotkova (2021) ≡ *Chilita mercadensis* (Patoni) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella mercadensis* (Patoni) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis mercadensis* (Patoni) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria ocamponis* Ochot. in *Bol. Bibliogr. (Mexico)* 2: 355. 1918 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria berkiana* A.B.Lau in *Kakteen And. Sukk.* 37: 33. 1986 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria brachytrichion* Lüthy in *Kakteen And. Sukk.* 38(12): 295. 1987 syn. sec. Hunt (2016) ≡ *Mammillaria pennispinosa* subsp. *brachytrichion* (Lüthy) U.Guzmán, *Cat. Cactaceas Mex.*: 148. 2003 syn. sec. *Tropicos*

***Mammillaria meyranii* Bravo in *Cact. Succ. J. Gr. Brit.* 18: 84. 1956. Sec. Hunt (2016)**

- = *Mammillaria meyranii* var. *michoacana* Franc.G.Buchenau in *Cact. Suc. Mex.* 14: 75. 1969 syn. sec. Kew WCVP (2019)

***Mammillaria microhelia* Werderm. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 236. 1930. Sec. Hunt (2016)**

- ≡ *Leptocladia microhelia* (Werderm.) Buxb. in *Oesterr. Bot. Z.* 98: 82. 1951 syn. sec. Hunt (2016) ≡ *Leptocladodia microhelia* (Werderm.) Buxb. in *Krainz, Kakteen* 15: CVIIIc. 1960 syn. sec. Korotkova (2021) ≡ *Neomammillaria microhelia* (Werderm.) Y.Itô, *Cactaceae*: 587. 1981 syn. sec. Korotkova (2021) ≡ *Krainzia microhelia* (Werderm.) Doweld in *Sukkulenty* 3: 43. 2000 syn. sec. Korotkova (2021)
- = *Mammillaria rhodantha* var. *droegeana* K.Schum., *Gesamtbeschr. Kakt.*: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *droegeana* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 257. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria droegeana* (K.Schum.) Borg, *Cacti*, ed. 1: 332. 1937 syn. sec. *Tropicos*
- = *Mammillaria microheliopsis* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 11: 278. 1931 syn. sec. Hunt (2016) ≡ *Mammillaria microhelia* var. *microheliopsis* (Werderm.) Backeb. in *Blätt. Kakteenf.* 1937(2): 4. 1937 syn. sec. Kew WCVP (2019) ≡ *Leptocladia microheliopsis* (Werderm.) Buxb. in *Oesterr. Bot. Z.* 98: 82. 1951 syn. sec. Korotkova (2021) ≡ *Leptocladodia microheliopsis* (Werderm.) Buxb. in *Krainz, Kakteen* 15: CVIIIc. 1960 syn. sec. Korotkova (2021) ≡ *Leptocladodia microhelia* f. *microheliopsis* (Werderm.) Krainz, *Kakteen* 63: CIII d. 1975 – *Neomammillaria microhelia* var. *microheliopsis* (Werderm.) Y.Itô, *Cactaceae*: 587. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria moelleriana* Boed. in *Z. Sukkulente* 1: 213. 1924. Sec. Hunt (2016)**

- ≡ *Neomammillaria moelleriana* (Boed.) Britton & Rose in *Contr. U.S. Natl. Herb.* 23(5): 1678. 1926 syn. sec. Korotkova (2021) ≡ *Ebnerella moelleriana* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita moelleriana* (Boed.) Buxb. in *Sukkulente* 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis moelleriana* (Boed.) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria cowperae* Shurly in *Cact. Succ. J. Gr. Brit.* 21: 58. 1959 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria cowperae* (Shurly) Y.Itô, *Cactaceae*: 596. 1981 syn. sec. Hunt (2016)

Mammillaria morganiana* Tiegel in *Möller's Deutsche Gärtn.-Zeitung* 48: 397. 1933. Sec. Hunt (2016)**Mammillaria muehlenpfordtii* C.F.Först. in *Allg. Gartenzeitung* 15: 49. 1847. Sec. Hunt (2016)**

- ≡ *Cactus muehlenpfordtii* (C.F.Först.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria muehlenpfordtii* (C.F.Först.) Y.Itô, *Cactaceae*: 584. 1981 syn. sec. Hunt (2016)
- = *Mammillaria lanifera* Haw. in *Philos. Mag. J.* 63: 41. 1824 syn. sec. *Tropicos* ≡ *Cactus lanifer* (Haw.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria celsiana* Lem., *Cact. Gen. Sp. Nov.*: 41. 1839 syn. sec. Hunt (2016) ≡ *Cactus celsianus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria celsiana* (Lem.) Britton & Rose, *Cactaceae* 4: 112–113, f. 116, f. 6. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria polycephala* Muehlenpf. in *Allg. Gartenzeitung* 13: 346. 1845 syn. sec. *Tropicos* ≡ *Cactus polycephalus* (Muehlenpf.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria polychlora* Scheidw. ex C.F.Först., *Handb. Cacteenk.*: 205. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria schaeferi* Fennel in Otto & A.Dietr. in *Allg. Gartenzeitung* 15: 66. 1847 syn. sec. *Tropicos* ≡ *Cactus schaeferi* (Fennel) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria schaeferi* var. *longispina* J.N.Haage in *Hamburger Garten-Blumenzeitung* 17: 160. 1861 syn. sec. Kew WCVP (2019)
- = *Mammillaria perringii* Hildm. ex K.Schum., *Gesamtbeschr. Kakt.*: 566. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria neopotosina* R.T.Craig, *Mammill. Handb.*: 117. 1945 syn. sec. Hunt (2016)
- = *Mammillaria neopotosina* var. *brevispina* R.T.Craig, *Mammill. Handb.*: 118. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria muehlenpfordtii* var. *brevispina* (R.T.Craig) Y.Itô, *Cactaceae*: 584. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria neopotosina* var. *hexispina* F.Schmoll ex R.T.Craig, *Mammill. Handb.*: 118. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria muehlenpfordtii* var. *hexispina* (F.Schmoll ex R.T.Craig) Y.Itô, *Cactaceae*: 584. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria neopotosina* var. *longispina* R.T.Craig, *Mammill. Handb.*: 118. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria muehlenpfordtii* var. *longispina* (R.T.Craig) Y.Itô, *Cactaceae*: 584. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria multihamata* Boed. in *Monatsschr. Kakteenk.* 25: 76. 1915. Sec. Hunt (2016)**

- ≡ *Neomammillaria multihamata* (Boed.) Britton & Rose, *Cactaceae* 4: 146, f. 161. 1923 syn. sec. *Tropicos* ≡ *Chilita multihamata* (Boed.) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella multihamata* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019)

***Mammillaria mystax* Mart. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 16(1): 332, pl. 21. 1832. Sec. Hunt (2016)**

- ≡ *Cactus mystax* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria mystax* (Mart.) Britton & Rose, Cactaceae 4: 92–94, f. 89, f. 5. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria leucotricha* Scheidw. in Allg. Gartenzeitung 8: 338. 1840 syn. sec. Tropicos ≡ *Mammillaria maschalacantha* var. *leucotricha* (Scheidw.) Monv. ex Labour., Monogr. Cact.: 106. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus leucotrichus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria xanthotricha* Scheidw. in Allg. Gartenzeitung 8: 338. 1840 syn. sec. Kew WCVP (2019) ≡ *Mammillaria mutabilis* var. *xanthotricha* (Scheidw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria maschalacantha* var. *xanthotricha* (Scheidw.) Monv. ex Labour., Monogr. Cact.: 106. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus xanthotrichus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) – *Mammillaria xanthotricha* Scheidw., nom. inval. syn. sec. TPL (2013) [is misspelling for *Mammillaria xanthotricha* Scheidw.]
- = *Mammillaria funckii* Scheidw. in Allg. Gartenzeitung 20: 43. 1841 syn. sec. Britton & Rose (1923) ≡ *Cactus funckii* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria mutabilis* Scheidw. in Allg. Gartenzeitung 9: 43. 1841 syn. sec. Tropicos ≡ *Cactus mutabilis* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016)
- = *Mammillaria meschalacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 10. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria mutabilis* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 120. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria xanthotricha* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 11. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria leucocarpa* Scheidw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria maschalacantha* Monv., Monogr. Cact.: 106. 1853 syn. sec. Tropicos ≡ *Cactus maschalacanthus* (Monv.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria mutabilis* var. *leucocarpa* Schelle, Handb. Kakteenkult.: 273. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria mutabilis* var. *leucotricha* Schelle, Handb. Kakteenkult.: 272. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria crispiseta* R.T.Craig, Mammill. Handb.: 308. 1945 syn. sec. Tropicos
- = *Mammillaria mixtecensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 25: 534. 1954 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria atroflorens* Backeb., Cactaceae 6: 3892. 1962 syn. sec. Hunt (2016)
- = *Mammillaria erythra* f. *ruber* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 180, 199, 222. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria erythra* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 180. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria autumnalis* A.Dietr. in Allg. Gartenzeitung 16: 267. 1848 syn. sec. Kew WCVP (2019) – *Mammillaria senkii* C.F.Först. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 16. 1850, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria huajuapensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 25: 536. 1954 syn. sec. Hernández & Gómez-Hinostrosa (2015) – *Mammillaria mystax* var. *huajuapensis* (Bravo) Linzen in Mitt. Arbeitskreises Mammillarienfr. 15: 62. 1991, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria nana* Backeb., Descr. Cact. Nov. 3: 8. 1963. Sec. Hunt (2016)**

- = *Mammillaria monancistrina* O.Berg ex K.Schum., Gesamtbeschr. Kakt.: 533. 1898 syn. sec. Tropicos ≡ *Ebnerella monancistrina* (O.Berg ex K.Schum.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita monancistrina* (O.Berg ex K.Schum.) Buxb. in Sukkulantenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria monancistracantha* Backeb., Cactaceae 6: 3897. 1962 syn. sec. Kew WCVP (2019)
- = *Mammillaria felipensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 38. 1989 syn. sec. Hunt (2016)

***Mammillaria napina* J.A.Purpus in Monatsschr. Kakteenk. 22: 161. 1912. Sec. Hunt (2016)**

- ≡ *Neomammillaria napina* (J.A.Purpus) Britton & Rose, Cactaceae 4: 104. 1923 syn. sec. Korotkova (2021) ≡ *Bartschella napina* (J.A.Purpus) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Hunt (2016)
- *Mammillaria napina* var. *centrispina* R.T.Craig, Mammill. Handb.: 139. 1945, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria nivosa* Link ex Pfeiff., Enum. Diagn. Cact.: 11. 1837. Sec. Hunt (2016)**

- ≡ *Cactus nivosus* (Link ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Kew WCVP (2019) ≡ *Coryphantha nivosa* (Link ex Pfeiff.) Britton in Ann. Missouri Bot. Gard. 2: 45. 1915 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria nivosa* (Link ex Pfeiff.) Britton & Rose, Cactaceae 4: 71–72, f. 66. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria flavescens* var. *nivosa* (Link ex Pfeiff.) Backeb., Cactaceae 5: 3169. 1961 syn. sec. Tropicos
- = *Cactus flavescens* DC., Cat. Pl. Horti Monsp.: 83. 1813 syn. sec. Hunt (2016) ≡ *Mammillaria flavescens* (DC.) DC., Prodr. 3: 459. 1828 syn. sec. Hunt (2016) ≡ *Mammillaria simplex* var. *flavescens* (DC.) K.Schum., Gesamtbeschr. Kakt.: 573. 1898 syn. sec. Hunt (2016)
- = *Mammillaria straminea* Haw., Suppl. Pl. Succ.: 71. 1819 syn. sec. Kew WCVP (2019)
- = *Cactus stramineus* Spreng., Syst. Veg., ed. 16, 2: 494. 1825 syn. sec. Kew WCVP (2019)
- = *Mammillaria tortolensis* Pfeiff., Enum. Diagn. Cact.: 11. 1837 syn. sec. Tropicos

***Mammillaria nunezii* (Britton & Rose) Orcutt in Cactography 8. 1926. Sec. Hunt (2016)**

- ≡ *Neomammillaria nunezii* Britton & Rose, Cactaceae 4: 120, f. 127–128. 1923 syn. sec. Hunt (2016) ≡ *Ebnerella nunezii* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)

- Mammillaria nunezii* subsp. *bella* (Backeb.) D.R.Hunt, *Mammillaria Postscripts* 6: 8. 1997.** Sec. Hunt (2016)
 ≡ *Mammillaria bella* Backeb. in Repert. Spec. Nov. Regni Veg. 51: 63. 1942 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria bella* (Backeb.) Y.Itô, *Cactaceae*: 586. 1981 syn. sec. Korotkova (2021)
- Mammillaria nunezii* subsp. *nunezii*.** Sec. Hunt (2016)
 = *Neomammillaria solisii* Britton & Rose, *Cactaceae* 4: 142, f. 156–157. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 ≡ *Mammillaria solisii* (Britton & Rose) Boed., *Mammillarien-Vergleichs-Schlüssel*: 35. 1933 syn. sec. Hunt (2016) ≡ *Ebnerella solisii* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nunezii* var. *solisii* (Britton & Rose) Backeb., *Cactaceae* 5: 3374. 1961 syn. sec. Kew WCVP (2019)
 = *Mammillaria wuthenauiana* Backeb., *Stachlige Wildnis*: 368. 1942 syn. sec. Hunt (2016)
 = *Mammillaria hubertmulleri* Repp. in *Kakteen And. Sukk.* 35: 183. 1984 syn. sec. Hunt (2016)
 = *Mammillaria silvatica* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 89. 1989 syn. sec. Hunt (2016)
 = *Mammillaria supraflumen* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 87. 1989 syn. sec. Hunt (2016)
 = *Mammillaria machuca* W.A.Fitz Maur. & B.Fitz Maur. in *Cact. Succ. J. (Los Angeles)* 72: 66. 2000 syn. sec. Hunt (2016)
- Mammillaria orcuttii* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 2: 258. 1930.** Sec. Hunt (2016)
 ≡ *Neomammillaria orcuttii* (Boed.) Y.Itô, *Cactaceae*: 624. 1981 syn. sec. Korotkova (2021)
 = *Mammillaria amajacensis* Brachet & M.Lacoste in *Cact. Succ. J. (Los Angeles)* 69: 185. 1997 syn. sec. Hunt (2016)
 = *Mammillaria phantasma* Sotom., *Arred. & M.Martínez Méndez* in *Cact. Suc. Mex.* 44(2): 34. 1999 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria oteroi* Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* 47(2): 94. 1975.** Sec. Hunt (2016)
 ≡ *Escobariopsis oteroi* (Glass & R.A.Foster) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)
- Mammillaria painteri* Rose in *Monatsschr. Kakteenk.* 27: 22. 1917.** Sec. Hunt (2016)
 ≡ *Neomammillaria painteri* (Rose) Britton & Rose, *Cactaceae* 4: 151–152, f. 169. 1923 syn. sec. Korotkova (2021) ≡ *Ebnerella painteri* (Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita painteri* (Rose) Buxb. in *Sukkulentenkunde* 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Mammillaria crinita* subsp. *painteri* (Rose) U.Guzmán, *Cat. Cactaceas Mex.*: 120. 2003 syn. sec. Tropicos
- Mammillaria parkinsonii* Ehrenb. in *Linnaea* 14: 375. 1840.** Sec. Hunt (2016)
 ≡ *Cactus parkinsonii* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria parkinsonii* (Ehrenb.) Britton & Rose, *Cactaceae* 4: 98, f. 94. 1923 syn. sec. Korotkova (2021)
 = *Mammillaria auriareolis* Tiegel in *Möller's Deutsche Gärtn.-Zeitung* 48: 412. 1933 syn. sec. Hunt (2016)
 = *Mammillaria dietrichiae* Tiegel in *Möller's Deutsche Gärtn.-Zeitung* 48: 413. 1933 syn. sec. Kew WCVP (2019) ≡ *Mammillaria parkinsonii* var. *dietrichiae* (Tiegel) Backeb., *Cactaceae* 5: 3217. 1961 syn. sec. Kew WCVP (2019)
 = *Mammillaria rosensis* R.T.Craig, *Mammill. Handb.*: 317. 1945 syn. sec. Hunt (2016) ≡ *Neomammillaria rosensis* (R.T.Craig) Y.Itô, *Cactaceae*: 625. 1981 syn. sec. Korotkova (2021)
 = *Mammillaria neocrucigera* Backeb., *Cactaceae* 5: 3426. 1961 syn. sec. Hunt (2016)
 = *Mammillaria tiegeliana* Backeb., *Cactaceae* 5: 3402. 1961 syn. sec. Kew WCVP (2019)
 = *Mammillaria parkinsonii* var. *brevispina* R.T.Craig, *Mammill. Handb.*: 121. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria parkinsonii* var. *brevispina* (R.T.Craig) Y.Itô, *Cactaceae*: 573. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Mammillaria parkinsonii* var. *dealbata* Frič in *Ceskoslov. Zahradn. Listy* 1924: 122. 1924, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria pectinifera* F.A.C.Weber in *Bois, Dict. Hort.*: 804. 1898.** Sec. Hernández & Gómez-Hinostrosa (2015)
 = *Pelecypora pectinata* Stein in *Gartenflora* 34: 25. 1885 syn. sec. Tropicos ≡ *Solisia pectinata* (Stein) Britton & Rose, *Cactaceae* 4: 64–65, f. 63. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria pectinata* (Stein) Fosberg in *Bull. S. Calif. Acad. Sci.* 30: 58. 1931 syn. sec. Hunt (2016)
- Mammillaria pectinifera* subsp. *pectinifera*.** Sec. Hunt (2016)
- Mammillaria pectinifera* subsp. *solisioides* (Backeb.) D.R.Hunt in *Cactaceae Syst. Init.* 20: 21. 2005.** Sec. Hunt (2016)
 ≡ *Mammillaria solisioides* Backeb. in *Cactus (Paris)* 31(Suppl.): 3. 1952 syn. sec. Hunt (2016) ≡ *Mammillaria pectinifera* f. *solisioides* (Backeb.) Sánchez-Mej. in *Cact. Suc. Mex.* 25(3): 65. 1980 syn. sec. Hunt (2016) ≡ *Solisia solisioides* (Backeb.) Doweld in *Sukkulenty* 3(1-2): 37. 2000 syn. sec. Hunt (2016)
- Mammillaria peninsularis* (Britton & Rose) Orcutt in *Cactography* 8. 1926.** Sec. Hunt (2016)
 ≡ *Neomammillaria peninsularis* Britton & Rose, *Cactaceae* 4: 85. 1923 syn. sec. Hunt (2016)
- Mammillaria pennispinosa* Krainz in *Sukkulentenkunde* 2: 20. 1948.** Sec. Hunt (2016)
 ≡ *Phellosperma pennispinosa* (Krainz) Buxb. in Oesterr. Bot. Z. 98: 92. 1951 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria pennispinosa* (Krainz) Y.Itô, *Cactaceae*: 570. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis pennispinosa* (Krainz) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria pennispinosa* subsp. *nazasensis* (Glass & R.A.Foster) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997. Sec. Hunt (2016)**

≡ *Mammillaria pennispinosa* var. *nazasensis* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 47(2): 96. 1975 syn. sec. Hunt (2016) ≡ *Mammillaria nazasensis* (Glass & R.A.Foster) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 36. 1989 syn. sec. Hunt (2016) ≡ *Escobariopsis pennispinosa* subsp. *nazasensis* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria pennispinosa* subsp. *pennispinosa*. Sec. Hunt (2016)**

Mammillaria perbella* Hildm. ex K.Schum., *Gesamtbescr. Kakt.: 567. 1899. Sec. Hunt (2016)

≡ *Neomammillaria perbella* (Hildm. ex K.Schum.) Britton & Rose, Cactaceae 4: 111. 1923 syn. sec. Korotkova (2021)

= *Mammillaria pseudoperbella* var. *rufispina* Quehl in Monatsschr. Kakteenk. 26: 94. 1916 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pseudoperbella* f. *rufispina* (Quehl) Schelle, Kakteen: 324. 1926 syn. sec. Kew WCVP (2019)

= *Mammillaria cadereytensis* R.T.Craig, Mammill. Handb.: 305. 1945 syn. sec. Hunt (2016) ≡ *Neomammillaria cadereytensis* (R.T.Craig) Y.Itô, Cactaceae: 576. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria parkinsonii* subsp. *cadereytensis* (R.T.Craig) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 26: 15. 2002 syn. sec. Kew WCVP (2019)

= *Mammillaria infernillensis* R.T.Craig, Mammill. Handb.: 123. 1945 syn. sec. Hunt (2016)

= *Mammillaria quereyensis* R.T.Craig, Mammill. Handb.: 316. 1945 syn. sec. Hunt (2016)

= *Mammillaria vonwyssiana* Krainz in Schweizer Gart. 1945: 171. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria vonwyssii* Krainz in Schweizer Gart. 1945: 171. 1945 syn. sec. Korotkova (2021)

= *Mammillaria avila-camacho* Shurly ex Backeb., Cactaceae 5: 3464. 1961 syn. sec. Hunt (2016)

= *Mammillaria cadereytensis* var. *quadripina* R.T.Craig, Mammill. Handb.: 306. 1945 syn. sec. Kew WCVP (2019) – *Neomammillaria cadereytensis* var. *quadripina* (R.T.Craig) Y.Itô, Cactaceae: 576. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria petrophila* K.Brandege in *Zoë* 5(10): 193. 1905. Sec. Hunt (2016)**

≡ *Neomammillaria petrophila* (K.Brandege) Britton & Rose, Cactaceae 4: 73. 1923 syn. sec. Korotkova (2021)

***Mammillaria petrophila* subsp. *arida* (Rose ex Quehl) D.R.Hunt, *Mammillaria Postscripts* 7: 3. 1998. Sec. Hunt (2016)**

≡ *Mammillaria arida* Rose ex Quehl in Monatsschr. Kakteenk. 23: 181. 1913 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria arida* (Rose ex Quehl) Britton & Rose, Cactaceae 4: 73, t. 7, f. 3. 1923 syn. sec. Kew WCVP (2019)

***Mammillaria petrophila* subsp. *baxteriana* (H.E.Gates) D.R.Hunt, *Mammillaria Postscripts* 7: 3. 1998. Sec. Hunt (2016)**

≡ *Neomammillaria baxteriana* H.E.Gates in Cact. Succ. J. (Los Angeles) 6: 3. 1934 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria baxteriana* (H.E.Gates) Boed., Kaktus-ABC: 398. 1935 syn. sec. Hernández & Gómez-Hinostrosa (2015)

= *Neomammillaria marshalliana* H.E.Gates in Cact. Succ. J. (Los Angeles) 6: 4. 1934 syn. sec. Korotkova (2021) ≡ *Mammillaria marshalliana* (H.E.Gates) Boed., Kaktus-ABC: 398. 1935 syn. sec. Hunt (2016)

= *Neomammillaria pacifica* H.E.Gates in Cact. Succ. J. (Los Angeles) 6: 5. 1934 syn. sec. Hunt (2016) ≡ *Mammillaria pacifica* (H.E.Gates) Boed., Kaktus-ABC: 398. 1935 syn. sec. Hunt (2016)

***Mammillaria petrophila* subsp. *petrophila*. Sec. Hunt (2016)**

= *Mammillaria gatesii* M.E.Jones in Cact. Succ. J. (Los Angeles) 8: 99. 1937 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria gatesii* (M.E.Jones) Y.Itô, Cactaceae: 606. 1981 syn. sec. Hunt (2016)

***Mammillaria petterssonii* Hildm. in *Deutsche Gärt.-Zeitung* 1886: 185. 1886. Sec. Hunt (2016)**

≡ *Neomammillaria petterssonii* (Hildm.) Britton & Rose, Cactaceae 4: 94, f. 90. 1923 syn. sec. Korotkova (2021)

= *Mammillaria obscura* Hildm. in Monatsschr. Kakteenk. 1: 52. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria obscura* (Hildm.) Britton & Rose, Cactaceae 4: 87. 1923 syn. sec. Korotkova (2021)

= *Mammillaria heeseana* McDowell in Monatsschr. Kakteenk. 6: 125. 1896 syn. sec. Kew WCVP (2019)

= *Mammillaria pilensis* Shurly ex Backeb., Cactaceae 5: 3408. 1961 syn. sec. Hunt (2016) ≡ *Neomammillaria pilensis* (Shurly) Y.Itô, Cactaceae: 614. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria pilensis* Shurly ex Egli in Bradleya 3: 102. 1985 syn. sec. Hunt (2016) ≡ *Mammillaria hamiltonhoytiae* var. *pilensis* (Shurly) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 138. 1987

= *Mammillaria apozolensis* var. *saltensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 145. 1987 syn. sec. Kew WCVP (2019)

= *Mammillaria apozolensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 143. 1989 syn. sec. Hunt (2016)

= *Mammillaria huiguerensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 141. 1989 syn. sec. Hunt (2016)

***Mammillaria picta* Meinsh. in *Wochenschr. Gärtnerei Pflanzenk.* 1: 27. 1858. Sec. Hunt (2016)**

≡ *Cactus pictus* (Meinsh.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria picta* (Meinsh.) Y.Itô, Cactaceae: 608. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis picta* (Meinsh.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria picta* subsp. *picta*

= *Mammillaria viereckii* Boed. in Z. Sukkulentenk. 3: 73. 1927 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella viereckii* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita viereckii* (Boed.) Buxb. in Sukkulentenkunde 5: 23. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria viereckii* (Boed.) Y.Itô, Cactaceae: 579. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria picta* subsp. *viereckii* (Boed.) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997 syn. sec. Tropicos ≡ *Escobariopsis viereckii* (Boed.) Doweld in Sukkulenty 3: 42. 2000 syn. sec. Kew WCVP (2019)

= *Mammillaria schieliana* H.Schick in Sukkulantenkunde 3: 27. 1949 syn. sec. Hunt (2016) ≡ *Chilita schieliana* (Schick) Buxb. in Sukkulantenkunde 5: 23. 1954 syn. sec. Kew WCVP (2019)

= *Mammillaria aurisaeta* Backeb., *Cactaceae* 6: 3892. 1962 syn. sec. Hunt (2016)

= *Mammillaria rischeri* Krüger in Mitteilungsbl. Arbeitskreises Mammillarienfr. 40: 123. 2016 syn. sec. Kew WCVP (2019)

***Mammillaria pilispina* J.A.Purpus in Monatsschr. Kakteenk. 22: 150. 1912. Sec. Hunt (2016)**

≡ *Neolloydia pilispina* (J.A.Purpus) Britton & Rose, *Cactaceae* 4: 14, f. 12. 1923 syn. sec. Kew WCVP (2019) ≡ *Chilita pilispina* (J.A.Purpus) Buxb. in Sukkulantenkunde 5: 23. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria pilispina* (J.A.Purpus)

Y.Itô, *Cactaceae*: 604. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis pilispina* (J.A.Purpus) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

= *Mammillaria sanluisensis* Shurly in *Cact. Succ. J. Gr. Brit.* 11: 57. 1949 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Chilita sanluisensis* (Shurly) Buxb. in Sukkulantenkunde 5: 23. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria sanluisensis* (Shurly) Y.Itô, *Cactaceae*: 608. 1981 syn. sec. Korotkova (2021)

= *Mammillaria subtilis* Backeb. in *Cact. Succ. J. Gr. Brit.* 12: 81. 1950 syn. sec. Hernández & Gómez-Hinostrosa (2015)

= *Mammillaria rayonesensis* Repp., *Gattung Mammill. Monogr.* 1: 260. 1991 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Escobariopsis rayonesensis* (Repp.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019) – *Mammillaria rayonensis* Repp., *Gattung Mammill. Monogr.* 1: 260. 1991 syn. sec. Hunt (2016) [is misspelling for *Mammillaria rayonesensis* Repp.]

= *Mammillaria odehnalii* Halda, Kupčák & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 36. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria plumosa* F.A.C.Weber in Bois, Dict. Hort.: 804. 1898. Sec. Hunt (2016)**

≡ *Neomammillaria plumosa* (F.A.C.Weber) Britton & Rose, *Cactaceae* 4: 123–124, f. 131. 1923 syn. sec. Korotkova (2021) ≡ *Chilita plumosa* (F.A.C.Weber) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella plumosa* (F.A.C.Weber) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis plumosa* (F.A.C.Weber)

Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria polyedra* Mart. in Nov. Actorum Acad. Caes. Leop.–Carol. German. Nat. Cur. 16(1): 326, pl. 18. 1832. Sec. Hunt (2016)**

≡ *Cactus polyedrus* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria polyedra* (Mart.) Britton & Rose, *Cactaceae* 4: 102–103, f. 101, f. 5. 1923 syn. sec. Korotkova (2021)

= *Mammillaria obconella* var. *galeottii* Scheidw., *Hort. Belge* 4: 93. 1837 syn. sec. Kew WCVP (2019)

= *Mammillaria crocidata* Lem., *Cact. Aliq. Nov.*: 9. 1838 syn. sec. Tropicos ≡ *Cactus crocidatus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria crocidata* (Lem.) Britton & Rose, *Cactaceae* 4: 87. 1923 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* Salm-Dyck in *Allg. Gartenzeitung* 10: 289. 1842 syn. sec. Tropicos ≡ *Cactus polytrichus* (Salm-Dyck) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *hexacantha* Salm-Dyck in *Allg. Gartenzeitung* 10: 289. 1842 syn. sec. Kew WCVP (2019) ≡

Mammillaria polythele var. *hexacantha* (Salm-Dyck) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 15. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *tetracantha* Salm-Dyck in *Allg. Gartenzeitung* 10: 290. 1842 syn. sec. Kew WCVP (2019)

= *Mammillaria polythele* var. *columnaris* (Mart.) Salm-Dyck ex Walp., *Repert. Bot. Syst.* 2: 271. 1843 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *tetracantha* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 11. 1845 syn. sec. Kew WCVP (2019)

= *Mammillaria dolichocentra* var. *galeottii* Salm-Dyck ex C.F.Först., *Handb. Kakteenk.*: 213. 1846 syn. sec. Kew WCVP (2019)

= *Mammillaria ovimamma* var. *brevispina* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 108. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polyedra* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 17. 1850 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

= *Mammillaria polytricha* var. *scleracantha* Labour., *Monogr. Cact.*: 105. 1853 syn. sec. Kew WCVP (2019)

***Mammillaria polythele* Mart. in Nov. Actorum Acad. Caes. Leop.–Carol. German. Nat. Cur. 16(1): 328, pl. 19. 1832. Sec. Hunt (2016)**

≡ *Cactus polythele* (Mart.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria polythele* (Mart.) Britton & Rose, *Cactaceae* 4: 88, f. 80. 1923 syn. sec. Korotkova (2021)

= *Mammillaria nuda* DC., *Prodr.* 3: 460. 1828 syn. sec. Tropicos ≡ *Cactus nudus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Mammillaria columnaris* Mart. in Nov. Actorum Acad. Caes. Leop.–Carol. Nat. Cur. 16(1): 330. 1832 syn. sec. Kew WCVP (2019)

- = *Mammillaria quadrispina* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 16(1): 329. 1832 syn. sec. Britton & Rose (1923) ≡ *Mammillaria polythele* var. *quadrispina* (Mart.) Salm-Dyck in Repert. Bot. Syst. 2: 271. 1843 syn. sec. Britton & Rose (1923) ≡ *Cactus quadrispinus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923) ≡ *Mammillaria polythele* f. *quadrispina* (Mart.) Schelle, Handb. Kakteenkult.: 260. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria hoffmannseggii* Hoffmanns. in Preiss. Verz. ed. 7: 23. 1833 syn. sec. Kew WCVP (2019)
- = *Mammillaria affinis* DC., Coll. Mém. Cact. 11: t. 6. 1834 syn. sec. Kew WCVP (2019) ≡ *Cactus affinis* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria catafracta* Mart. ex Salm-Dyck, Hort. Dyck.: 155. 1834 syn. sec. Kew WCVP (2019)
- = *Mammillaria hexacantha* Salm-Dyck, Hort. Dyck.: 344. 1834 syn. sec. Tropicicos ≡ *Cactus hexacanthus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria setosa* Pfeiff. in Allg. Gartenzeitung 3: 379. 1835 syn. sec. Tropicicos ≡ *Mammillaria polythele* var. *setosa* (Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 9. 1845 syn. sec. Tropicicos ≡ *Cactus setosus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria oothele* Lem., Cact. Gen. Nov. Sp.: 37. 1839 syn. sec. Britton & Rose (1923) ≡ *Mammillaria ovimamma* var. *oothele* (Lem.) Labour., Monogr. Cact.: 95. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus oothele* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016)
- = *Mammillaria ovimamma* Lem., Cact. Gen. Nov. Sp.: 4. 1839 syn. sec. Britton & Rose (1923) ≡ *Cactus ovimamma* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016)
- = *Mammillaria rhodocentra* Lem., Cact. Gen. Sp. Nov.: 52. 1839 syn. sec. Tropicicos ≡ *Cactus rhodocentrus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria webbiana* Lem., Cact. Gen. Sp. Nov.: 45. 1839 syn. sec. Tropicicos ≡ *Cactus webbianus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria longispina* Rchb. ex Terscheck, Suppl. Cact. Verz.: 1. 1840 syn. sec. Kew WCVP (2019)
- = *Mammillaria dolichacantha* Lem. ex C.F.Först., Handb. Cacteenk.: 213. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria echinops* Scheidw. ex C.F.Först., Handb. Cacteenk.: 209. 1846 syn. sec. Korotkova (2021) ≡ *Neomammillaria echinops* (Scheidw.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 56. 1931 syn. sec. Kew WCVP (2019)
- = *Cactus niger* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria nigra* Ehrenb. in Allg. Gartenzeitung 17: 287. 1849 syn. sec. Tropicicos
- = *Mammillaria rigidispina* Hildm. ex Quehl in Monatsschr. Kakteenk. 3: 112. 1893 syn. sec. Kew WCVP (2019)
- = *Mammillaria hidalgensis* J.A.Purpus in Monatsschr. Kakteenk. 17: 379. 1907 syn. sec. Tropicicos ≡ *Neomammillaria hidalgensis* (J.A.Purpus) Y.Itô, Cactaceae: 606. 1981 syn. sec. Hunt (2016)
- = *Neomammillaria hoffmanniana* Tiegel in Anales Inst. Biol. Univ. Nac. México 5: 269. 1934 syn. sec. Kew WCVP (2019)
- = *Mammillaria multimamma* F.M.Knuth, Kaktus-ABC: 392. 1935 syn. sec. Kew WCVP (2019)
- Mammillaria polythele* subsp. *obconella* (Scheidw.) D.R.Hunt, *Mammillaria* Postscripts 6: 7. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria obconella* Scheidw. in Hort. Belge 4: 93. 1837 syn. sec. Hernández & Gómez-Hinostroza (2015) ≡ *Cactus obconella* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria obconella* (Scheidw.) Y.Itô, Cactaceae: 614. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria ingens* Backeb., Stachlige Wildnis: 347. 1942 syn. sec. Hunt (2016)
- Mammillaria polythele* subsp. *polythele*.** Sec. Hunt (2016)
- = *Mammillaria galeottii* Scheidw., Hort. Belge 4: 93. 1837 syn. sec. Tropicicos ≡ *Neomammillaria galeottii* (Scheidw.) Britton & Rose, Cactaceae 4: 105. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria tetracantha* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 18. 1837 syn. sec. Hunt (2016) ≡ *Cactus tetracanthus* (Salm-Dyck ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria tetracantha* (Salm-Dyck ex Pfeiff.) Britton & Rose, Cactaceae 4: 106–107, f. 108. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria dolichocentra* Lem., Cact. Aliq. Nov.: 3. 1838 syn. sec. Tropicicos ≡ *Cactus dolichocentrus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicicos ≡ *Neomammillaria dolichocentra* (Lem.) Tiegel in Anales Inst. Biol. Univ. Nac. México 5: 269. 1934 syn. sec. Korotkova (2021)
- = *Mammillaria kewensis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 112. 1850 syn. sec. Hunt (2016) ≡ *Neomammillaria kewensis* (Salm-Dyck) Britton & Rose, Cactaceae 4: 104–105, f. 106. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria durispina* Boed. in Z. Sukkulantenk.: 342. 1928 syn. sec. Hernández & Gómez-Hinostroza (2015) ≡ *Neomammillaria durispina* (Boed.) Y.Itô, Cactaceae: 618. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria polythele* subsp. *durispina* (Boed.) D.R.Hunt, *Mammillaria* Postscripts 6: 7. 1997 syn. sec. Tropicicos
- = *Mammillaria kelleriana* Schmoll, Mammill. Handb.: 231. 1945 syn. sec. Hunt (2016)
- = *Mammillaria neophaeacantha* Fritz Schwarz in Blätt. Sukkulantenk.: 5. 1949 syn. sec. Hunt (2016)
- = *Mammillaria subdurispina* Fritz Schwarz in Blätt. Sukkulantenk.: 5. 1949 syn. sec. Hunt (2016) ≡ *Neomammillaria subdurispina* (Fritz Schwarz) Y.Itô, Cactaceae: 625. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria xochipilli* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 167. 1989 syn. sec. Hunt (2016)
- Mammillaria pottsii* Scheer ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 104. 1850.** Sec. Hunt (2016)
- ≡ *Cactus pottsii* (Sheer ex Sheer) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Coryphantha pottsii* (Scheer) Orcutt, Circular to Cactus Fanciers, p.i. 1922 syn. sec. Hunt (2016) ≡ *Neomammillaria pottsii* (Scheer ex Salm-Dyck) Britton & Rose, Cactaceae 4: 136. 1923 syn. sec. Korotkova (2021) ≡ *Chilita pottsii* (Scheer ex Salm-Dyck) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Krainzia pottsii* (Scheer ex Salm-Dyck) Doweld in Sukkulenty 3: 43. 2000 syn. sec. Korotkova (2021)

- = *Echinocactus pottsianus* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Kew WCVP (2019) ≡ ?*Coryphantha pottsiana* (Poselg.) A.D.Zimmerman, Cacti Trans-Pecos: 428. 2004 syn. sec. Hunt (2006)
 = *Mammillaria leona* Poselg. in Allg. Gartenzeitung 21: 94. 1853 syn. sec. Hunt (2016) ≡ *Leptocladia leona* (Poselg.) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Korotkova (2021)
 = *Mammillaria pottsii* var. *gigas* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 61. 1987 syn. sec. Kew WCVP (2019)
 = *Mammillaria pottsii* var. *multicaulis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 60. 1987 syn. sec. Kew WCVP (2019)

***Mammillaria pringlei* (J.M.Coult.) K.Brandegee in Zoë 5(1): 7. 1900. Sec. Hunt (2016)**

- ≡ *Cactus pringlei* J.M.Coult. in Contr. U.S. Natl. Herb. 3(2): 109. 1894 syn. sec. Hunt (2016) ≡ *Neomammillaria pringlei* (J.M.Coult.) Britton & Rose, Cactaceae 4: 115, f. 121. 1923 syn. sec. Korotkova (2021) ≡ *Mammillaria rhodantha* subsp. *pringlei* (J.M.Coult.) D.R.Hunt, Mammillaria Postscripts 6: 8. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 = *Mammillaria parensis* R.T.Craig, Mammill. Handb.: 316. 1945 syn. sec. Hunt (2016)
 = *Mammillaria pringlei* var. *columnaris* F.Schmoll ex R.T.Craig, Mammill. Handb.: 260. 1945 syn. sec. Hunt (2016)
 = *Mammillaria pringlei* var. *longicentra* Backeb., Descr. Cact. Nov. 3: 8. 1963 syn. sec. Hunt (2016)

***Mammillaria prolifera* (Mill.) Haw., Syn. Pl. Succ.: 177. 1812. Sec. Hunt (2016)**

- ≡ *Cactus proliferus* Mill., Gard. Dict., ed. 8: Cactus No. 6. 1768 syn. sec. TPL (2013) ≡ *Neomammillaria prolifera* (Mill.) Britton & Rose, Cactaceae 4: 124. 1923 syn. sec. Korotkova (2021) ≡ *Chilita prolifera* (Mill.) Orcutt in Cactography 2: 77. 1926 syn. sec. Tropicicos ≡ *Ebnerella prolifera* (Mill.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis prolifera* (Mill.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* var. *prolifera*
 = *Cactus glomeratus* Lam., Encycl. 1(1): 537. 1783 syn. sec. Kew WCVP (2019) ≡ *Mammillaria glomerata* DC., Prodr. 3: 459. 1828 syn. sec. Tropicicos
 = *Mammillaria stellaris* Haw., Syn. Pl. Succ.: 72. 1812 syn. sec. Kew WCVP (2019) ≡ *Cactus stellaris* Salm-Dyck, Hort. Dyck.: 7. 1834 syn. sec. Kew WCVP (2019)
 = *Cactus stellatus* Willd., Enum. Pl., Suppl.: 30. 1814 syn. sec. Kew WCVP (2019)
 = *Mammillaria pusilla* DC., Prodr. 3: 459. 1828 syn. sec. Tropicicos
 = *Mammillaria pusilla* var. *major* Pfeiff., Enum. Diagn. Cact.: 36. 1837 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pusilla* f. *major* (Pfeiff.) Schelle, Handb. Kakteenkult.: 249. 1907 syn. sec. Kew WCVP (2019)
 = *Mammillaria grisea* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 110. 1845 syn. sec. Tropicicos ≡ *Cactus griseus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)

***Mammillaria prolifera* subsp. *arachnoidea* (D.R.Hunt) D.R.Hunt, Mammillaria Postscripts 6: 6. 1997. Sec. Hunt (2016)**

- ≡ *Mammillaria prolifera* var. *arachnoidea* D.R.Hunt in Cact. Succ. J. Gr. Brit. 40(1): 11. 1978 syn. sec. Hunt (2016) ≡ *Escobariopsis prolifera* subsp. *arachnoidea* (D.R.Hunt) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria prolifera* subsp. *haitiensis* (K.Schum.) D.R.Hunt, Mammillaria Postscripts 6: 6. 1997. Sec. Kew WCVP (2019)**

- ≡ *Mammillaria pusilla* var. *haitiensis* K.Schum., Blüh. Kakteen 3: t. 46. 1903 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* f. *haitiensis* (K.Schum.) Krainz, Kakteen 27: C VIIIc. 1964 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis prolifera* subsp. *haitiensis* (K.Schum.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019) – *Neomammillaria prolifera* var. *haitiensis* (K.Schum.) Y.Itô, Cactaceae: 600. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mammillaria prolifera* subsp. *prolifera*. Sec. Hunt (2016)**

***Mammillaria prolifera* subsp. *texana* (Engelm.) D.R.Hunt, Mammillaria Postscripts 6: 6. 1997. Sec. Hunt (2016)**

- ≡ *Mammillaria pusilla* var. *texana* Engelm. in Proc. Amer. Acad. Arts 3: 261. 1856 syn. sec. Hunt (2016) ≡ *Mammillaria texana* (Engelm.) M.J.Young, Fl. Texas: 279. 1873 syn. sec. Tropicicos ≡ *Cactus stellatus* var. *texanus* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 108. 1894 syn. sec. Kew WCVP (2019) ≡ *Cactus texanus* (Engelm.) Small, Fl. S.E. U.S.: 812. 1903 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pusilla* f. *texana* (Engelm.) Schelle, Handb. Kakteenkult.: 249. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* var. *texana* (Engelm.) Borg, Cacti, ed. 1: 16. 1937 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* f. *texana* (Engelm.) Krainz, Kakteen 27: C VIIIc. 1964 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis prolifera* subsp. *texana* (Engelm.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019) – *Neomammillaria prolifera* var. *texana* (Engelm.) Y.Itô, Cactaceae: 601. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 = *Mammillaria cespititia* DC., Mém. Mus. Hist. Nat. 17: 112. 1828 syn. sec. Kew WCVP (2019) ≡ *Cactus cespititius* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
 = *Mammillaria nitida* Scheidw. in Allg. Gartenzeitung 9: 42. 1841 syn. sec. Kew WCVP (2019)
 = *Mammillaria multiceps* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 81. 1850 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus multiceps* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria multiceps* (Salm-Dyck) Britton & Rose, Cactaceae 4: 125–126. 1923 syn. sec. Tropicicos ≡ *Chilita multiceps* (Salm-Dyck) Orcutt in Cactography 2: 77. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria pusilla* f. *multiceps* (Salm-Dyck) Schelle, Kakteen: 303. 1926 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* var. *multiceps* (Salm-Dyck) Borg, Cacti, ed. 1: 316. 1937 syn. sec. Kew WCVP (2019) ≡ *Ebnerella multiceps* (Salm-Dyck) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Mammillaria prolifera* subsp. *multiceps* (Salm-Dyck) U.Guzmán, Cat. Cactaceas Mex.: 152. 2003 syn. sec. Tropicicos – *Neomammillaria prolifera* var. *multiceps* (Salm-Dyck) Y.Itô, Cactaceae: 601. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 = *Mammillaria crebrispinata* var. *nitida* (Monv.) Labour., Monogr. Cact.: 75. 1853 syn. sec. Britton & Rose (1923)
 = *Mammillaria granulata* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 264. 1858 syn. sec. Tropicicos ≡ *Cactus granulatus* (Meinsh.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
 = *Mammillaria multiceps* var. *elongata* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 27. 1858 syn. sec. Kew WCVP (2019)

- = *Mammillaria multiceps* var. *grisea* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 27. 1858 syn. sec. Kew WCVP (2019)
- = *Mammillaria multiceps* var. *humilis* Meinsh. in Wochenschr. Vereines Beförd. Gartenbaues Königl. Preuss. Staaten 1: 27. 1858 syn. sec. Kew WCVP (2019)
- = *Mammillaria multiceps* var. *perpusilla* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 27. 1858 syn. sec. Kew WCVP (2019)
 ≡ *Mammillaria prolifera* var. *perpusilla* (Meinsh.) B.Hofm., Lieferungswerk Mammillaria 2: s.p. 1987 ["1986"] syn. sec. Kew WCVP (2019)
- = *Mammillaria parvissima* Karw. ex Rümpler, Handb. Cacteenk., ed. 2: 260. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria perpusilla* Meinsh. ex Rümpler, Handb. Cacteenk., ed. 2: 260. 1885 syn. sec. Kew WCVP (2019)
- Mammillaria rekoii* (Britton & Rose) Vaupel, Nat. Pflanzenfam., ed. 2, 21: 633. 1925. Sec. Hunt (2016)**
- ≡ *Neomammillaria rekoii* Britton & Rose, Cactaceae 4: 141–142, f. 149, 155a. 1923 syn. sec. Hunt (2016) ≡ *Ebnerella rekoii* (Britton & Rose) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)
- = *Mammillaria pseudorekoii* Boed., Mammillarien-Vergleichs-Schlüssel: 34. 1933 syn. sec. Hunt (2016) ≡ *Mammillaria rekoii* var. *pseudorekoii* (Boed.) R.T.Craig, Mammill. Handb.: 131. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria rekoiana* R.T.Craig, Mammill. Handb.: 128. 1945 syn. sec. Tropicos
- = *Mammillaria milensis* Bravo in Cact. Suc. Mex. 1(5): 86–87. 1956 syn. sec. Hunt (2016)
- = *Mammillaria pullihamata* Backeb., Cactaceae 6: 3898. 1962 syn. sec. Tropicos
- = *Mammillaria albrechtiana* Wohlschl. in Kakteen And. Sukk. 40: 219. 1989 syn. sec. Hunt (2016)
- = *Mammillaria krasuckae* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 99. 1989 syn. sec. Hunt (2016)
- = *Mammillaria pullihamata* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 96. 1989 syn. sec. Tropicos
- = *Mammillaria sanjuanensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 98. 1989 syn. sec. Hunt (2016)
- Mammillaria rekoii* subsp. *aureispina* (A.B.Lau) D.R.Hunt, Mammillaria Postscripts 6: 8. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria rekoii* var. *aureispina* A.B.Lau in Cact. Suc. Mex. 28(1): 19. 1983 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria aureispina* (A.B.Lau) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 101. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria rekoii* subsp. *leptacantha* (A.B.Lau) D.R.Hunt, Mammillaria Postscripts 6: 8. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria rekoii* var. *leptacantha* A.B.Lau in Cact. Succ. J. (Los Angeles) 55(2): 69. 1983 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria leptacantha* (A.B.Lau) Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 103. 1989 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria rekoii* subsp. *rekoii*. Sec. Hunt (2016)**
- Mammillaria rettigiana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 98. 1930. Sec. Hunt (2016)**
- ≡ *Ebnerella rettigiana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita rettigiana* (Boed.) Buxb. in Sukkulantenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria rettigiana* (Boed.) Y.Itô, Cactaceae: 596. 1981 syn. sec. Korotkova (2021) ≡ *Escobariopsis rettigiana* (Boed.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria posseltiana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 4: 99. 1932 syn. sec. Hunt (2016) ≡ *Ebnerella posseltiana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita posseltiana* (Boed.) Buxb. in Sukkulantenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria gilensis* Boed., Kaktus-ABC: 385. 1935 syn. sec. Hunt (2016) ≡ *Ebnerella gilensis* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita gilensis* (Boed.) Buxb. in Sukkulantenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019)
- = *Mammillaria flavihamata* Backeb., Cactaceae 6: 3895. 1962 syn. sec. Hunt (2016)
- Mammillaria rhodantha* Link & Otto, Icon. Pl. Select.: pl. 26. 1828. Sec. Hunt (2016)**
- ≡ *Cactus rhodanthus* (Link & Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria rhodantha* (Link & Otto) Britton & Rose, Cactaceae 4: 121–123, f. 129. 1923 syn. sec. Korotkova (2021)
- = *Cactus canescens* Moc. & Sessé ex DC., Prodr. 3: 459. 1828 syn. sec. Hunt (2016)
- = *Mammillaria pulchra* Haw. in Edwards's Bot. Reg. 16: t. 1329. 1830 syn. sec. Tropicos ≡ *Cactus pulcher* (Haw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria inuncta* Hoffmanns. in Preiss. Verz. ed. 7: 23. 1833 syn. sec. Kew WCVP (2019)
- = *Mammillaria odieriana* var. *aurea* Salm-Dyck, Hort. Dyck.: 7. 1834 syn. sec. Kew WCVP (2019)
- = *Mammillaria aurata* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria centrispina* Pfeiff., Enum. Diagn. Cact.: 20. 1837 syn. sec. Tropicos ≡ *Mammillaria karwinskiana* var. *centrispina* (Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 10. 1845 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* var. *centrispina* (Pfeiff.) Link ex C.F.Först., Handb. Cacteenk.: 198. 1846 syn. sec. Kew WCVP (2019) ≡ *Cactus centrispinus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *centrispina* (Pfeiff.) Voss, Vilm. Blumengärtn., ed. 3, 1: 369. 1894 syn. sec. Kew WCVP (2019)
- = *Mammillaria hybrida* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria olivacea* Pfeiff., Enum. Diagn. Cact.: 180. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *andreae* Otto ex Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *andreae* (Otto ex Pfeiff.) Voss, Vilm. Blumengärtn., ed. 3, 1: 369. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria andreae* (Otto ex Pfeiff.) J.Forbes, J. Hort. Tour Germany: 149. 1937 syn. sec. IPNI
- = *Mammillaria rhodantha* var. *neglecta* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *prolifera* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)

- = *Mammillaria rhodantha* var. *rubens* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *wendlandii* Pfeiff., Enum. Diagn. Cact.: 31. 1837 syn. sec. Kew WCVP (2019)
- = *Mammillaria rutila* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 29. 1837 syn. sec. Tropicos ≡ *Cactus rutilus* (Zucc.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria tentaculata* Pfeiff., Enum. Diagn. Cact.: 29. 1837 syn. sec. Tropicos ≡ *Cactus tentaculatus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *tentaculata* (Pfeiff.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria aureiceps* Lem., Cact. Aliq. Nov.: 8. 1838 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria rhodantha* var. *aureiceps* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 7. 1845 syn. sec. Kew WCVP (2019) ≡ *Cactus aureiceps* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria aureiceps* (Lem.) Britton & Rose, Cactaceae 4: 114, f. 117–118. 1923 syn. sec. Tropicos ≡ *Mammillaria rhodantha* subsp. *aureiceps* (Lem.) D.R.Hunt, Mammillaria Postscripts 6: 7. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria acicularis* Lem., Cact. Gen. Sp. Nov.: 34. 1839 syn. sec. Kew WCVP (2019) ≡ *Cactus acicularis* (Lem.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = ?*Mammillaria atrata* Hook. in Curtis's Bot. Mag. 65: pl. 3642. 1839 syn. sec. Britton & Rose (1923) ≡ *Cactus atratus* (Hook.) Kuntze, Revis. Gen. Pl. 1: 259. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria odieriana* Lem., Cact. Gen. Sp. Nov.: 46. 1839 syn. sec. Tropicos ≡ *Cactus odieranus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) – *Mammillaria rhodantha* var. *odieriana* (Lem.) Schelle, Handb. Kakteenkult.: 257. 1907, nom. inval. syn. sec. Kew WCVP (2019) – *Mammillaria rhodantha* subsp. *odieriana* (Lem.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 28: 88. 2004, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* J.R.Booth ex Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* var. *pfeifferi* (J.R.Booth ex Scheidw.) K.Schum., Gesamtschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *pfeifferi* (J.R.Booth ex Scheidw.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* var. *altissima* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* var. *dichotoma* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* var. *flaviceps* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* var. *fulvispina* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria pfeifferi* var. *variabilis* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 93. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria phaeacantha* Lem., Cact. Gen. Sp. Nov.: 47. 1839 syn. sec. Tropicos ≡ *Cactus phaeacanthus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Neomammillaria phaeacantha* (Lem.) Britton & Rose, Cactaceae 4: 116–117, f. 122. 1923 syn. sec. Tropicos
- = *Mammillaria pyrrochroacantha* Lem., Cact. Gen. Sp. Nov.: 51. 1839 syn. sec. Kew WCVP (2019) ≡ *Cactus pyrrochroacanthus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Cactus pyrrochroacanthus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos
- = *Mammillaria rhodantha* var. *major* Monv. ex Lem., Cact. Gen. Sp. Nov.: 98. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria ruficeps* Lem., Cact. Gen. Sp. Nov.: 37. 1839 syn. sec. Tropicos ≡ *Mammillaria rhodantha* var. *ruficeps* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 11. 1850 syn. sec. Kew WCVP (2019) ≡ *Cactus ruficeps* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *ruficeps* (Lem.) Voss, Vilm. Blumengärtn., ed. 3, 1: 369. 1894 syn. sec. Kew WCVP (2019)
- = *Mammillaria rutila* var. *octospina* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 91. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria crassispinga* Pfeiff. in Allg. Gartenzeitung 8: 406. 1840 syn. sec. Kew WCVP (2019) ≡ *Cactus crassispinus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria rhodantha* var. *crassispinga* (Pfeiff.) K.Schum., Gesamtschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *crassispinga* (Pfeiff.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria stenocephala* Scheidw. in Allg. Gartenzeitung 9: 43. 1841 syn. sec. Britton & Rose (1923)
- = *Mammillaria imbricata* Wegener in Allg. Gartenzeitung 12: 66. 1844 syn. sec. Tropicos
- = *Mammillaria crassispinga* var. *gracilior* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 8. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria eugenia* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 7. 1845 syn. sec. Kew WCVP (2019)
- = *Mammillaria aurea* C.F.Först., Handb. Cacteenk.: 200. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria radula* Scheidw. ex C.F.Först., Handb. Cacteenk.: 208. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria robusta* Otto ex C.F.Först., Handb. Cacteenk.: 207. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria stueberii* C.F.Först., Handb. Cacteenk.: 517. 1846 syn. sec. Tropicos ≡ *Cactus stueberii* (Otto) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria sulphurea* C.F.Först., Handb. Cacteenk.: 200. 1846 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* var. *sulphurea* (C.F.Först.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *sulphurea* (C.F.Först.) Voss, Vilm. Blumengärtn., ed. 3, 1: 369. 1894 syn. sec. Kew WCVP (2019) ≡ *Mammillaria fuscata* var. *sulphurea* (C.F.Först.) Backeb., Cactaceae 5: 3388. 1961 syn. sec. Kew WCVP (2019)
- = *Mammillaria nigricans* Fennel in Otto & A.Dietr. in Allg. Gartenzeitung 15: 66. 1847 syn. sec. Tropicos
- = *Mammillaria floccigera* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria fulvispina* var. *pyrrhocentra* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria fulvispina* var. *rubescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria neglecta* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *neglecta* (Salm-Dyck) Voss, Vilm. Blumengärtn., ed. 3, 1: 369. 1894 syn. sec. Kew WCVP (2019)
- = *Mammillaria odieriana* var. *rigidior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 98. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria pyrrochroacantha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019)

- = *Mammillaria rutila* var. *pallidior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 11. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria russea* A.Dietr. in Allg. Gartenzeitung 19: 347. 1851 syn. sec. Kew WCVP (2019) ≡ *Mammillaria fuscata* var. *russea* (A.Dietr.) Backeb., Cactaceae 5: 3388. 1961 syn. sec. Kew WCVP (2019)
- = *Mammillaria flaviceps* Scheidw. ex Labour., Monogr. Cactaceae: 42. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria stenocephala* Scheidw. ex Labour., Monogr. Cact.: 50. 1853 syn. sec. Tropicos ≡ *Cactus stenocephalus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria tentaculata* var. *conothele* Monv. ex Labour., Monogr. Cact.: 55. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria diacentra* Jacobi in Allg. Gartenzeitung 24: 91. 1856 syn. sec. Kew WCVP (2019)
- = *Mammillaria odieriana* var. *subcurvata* Jacobi in Allg. Gartenzeitung 24: 83. 1856 syn. sec. Kew WCVP (2019)
- = *Mammillaria odieriana* var. *rubra* Sencke ex Rümpler, Handb. Cacteenk., ed. 2: 295. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria punctata* Labour. ex Rümpler, Handb. Cacteenk., ed. 2: 293. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria tentaculata* var. *picta* Rümpler, Handb. Cacteenk., ed. 2: 309. 1885 syn. sec. Kew WCVP (2019)
- = *Cactus capillaris* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 107. 1894 syn. sec. Kew WCVP (2019)
- = *Cactus rhodanthus* var. *sulphureospinus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 107. 1894 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *callaena* K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *callaena* (K.Schum.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *pyramidalis* K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *pyramidalis* (K.Schum.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *ruberrima* K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *ruberrima* (K.Schum.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *rubra* K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *stenocephala* K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *stenocephala* (K.Schum.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria bonavittii* Schmoll ex Backeb., Cactaceae 5: 3466. 1961 syn. sec. Tropicos
- = *Mammillaria verticealba* var. *zacatecasensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 70. 1987 syn. sec. Kew WCVP (2019)
- = *Mammillaria bonavittii* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 66. 1989 syn. sec. Tropicos
- = *Mammillaria rhodantha* subsp. *santarosensis* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 28: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Mammillaria rhodantha* var. *rubescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 97. 1850 syn. sec. Kew WCVP (2019) – *Neomammillaria rhodantha* var. *rubescens* (Salm-Dyck) Y.Itô, Cactaceae: 599. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Neomammillaria calacantha* var. *rubra* (W.T.Neale) Y.Itô, Cactaceae: 588. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria rhodantha* subsp. *fera-rubra* (Schmoll ex R.T.Craig) D.R.Hunt, *Mammillaria Postscripts* 6: 8. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria fera-rubra* Schmoll ex R.T.Craig, Mammill. Handb.: 309. 1945 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria rhodantha* subsp. *mccarteni* D.R.Hunt, *Mammillaria Postscripts* 6: 8. 1997. Sec. Hunt (2016)**
- = *Mammillaria verticealba* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 68. 1987 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria rhodantha* subsp. *mollendorffiana* (Shurly) D.R.Hunt, *Mammillaria Postscripts* 6: 8. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria mollendorffiana* Shurly in Cact. J. (London) 10: 19. 1948 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria mollendorffiana* (Shurly) Y.Itô, Cactaceae: 606. 1981 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- Mammillaria rhodantha* subsp. *rhodantha*. Sec. Hunt (2016)**
- = *Mammillaria fulvispina* Haw. in Philos. Mag. Ann. Chem. 7: 108. 1830 syn. sec. Tropicos ≡ *Cactus fulvispinus* (Haw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria rhodantha* f. *fulvispina* (Haw.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria chrysacantha* Pfeiff., Enum. Diagn. Cact.: 28. 1837 syn. sec. Tropicos ≡ *Cactus chrysacanthus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* var. *chrysacantha* (Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 550. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *chrysacantha* (Pfeiff.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria fuscata* Pfeiff., Enum. Diagn. Cact.: 28. 1837 syn. sec. Tropicos ≡ *Cactus fuscatus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* var. *fuscata* (Pfeiff.) K.Schum., Gesamtbeschr. Kakt.: 551. 1898 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* f. *fuscata* (Pfeiff.) Schelle, Handb. Kakteenkult.: 257. 1907 syn. sec. Kew WCVP (2019) ≡ *Mammillaria rhodantha* subsp. *fuscata* (Pfeiff.) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 28: 28. 2004 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria fuscata* (Pfeiff.) Y.Itô, Cactaceae: 580. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria calacantha* Tiegel in Kakteenkunde 1933: 232. 1933 syn. sec. Tropicos ≡ *Neomammillaria calacantha* (Tiegel) Y.Itô, Cactaceae: 588. 1981 syn. sec. Tropicos
- Mammillaria roseoalba* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 1: 87. 1929. Sec. Hunt (2016)**
- ≡ *Neomammillaria roseoalba* (Boed.) Y.Itô, Cactaceae: 614. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria huntiana* García-Mor., A.Estrada, Gonz.-Bot. & Vargas-Vázq. in J. Mammillaria Soc. 54: 42. 2014 syn. sec. Kew WCVP (2019)
- Mammillaria sanchez-mejoradae* Rodr.González in *Cact. Suc. Mex.* 37(3): 55. 1992. Sec. Hunt (2016)**
- ≡ *Escobariopsis sanchez-mejoradae* (Rodr.González) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria sartorii* J.A.Purpus in Monatsschr. Kakteenk. 21: 50. 1911. Sec. Hunt (2016)**

- ≡ *Neomammillaria sartorii* (J.A.Purpus) Britton & Rose, *Cactaceae* 4: 82, f. 75. 1923 syn. sec. Korotkova (2021)
 = *Mammillaria sartorii* f. *brevispina* J.A.Purpus in Monatsschr. Kakteenk. 21: 50. 1911 syn. sec. Kew WCVP (2019)
 = *Mammillaria sartorii* f. *longispina* J.A.Purpus in Monatsschr. Kakteenk. 21: 50. 1911 syn. sec. Kew WCVP (2019)
 = *Neomammillaria tenampensis* Britton & Rose, *Cactaceae* 4: 101, f. 102. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria tenampensis* (Britton & Rose) A.Berger, *Kakteen*: 325. 1929 syn. sec. Hunt (2016)

Mammillaria scheinvariana* R.Ortega V. & Glass, *Guía Identific. Cactá. Amenazadas México: Ma/sche. 1997. Sec. Hunt (2016)

- ≡ *Mammillaria crinita* subsp. *scheinvariana* (R.Ortega V. & Glass) W.A.Fitz Maur. & B.Fitz Maur. in *Cact. Succ. J. (Los Angeles)* 70: 94. 1998 syn. sec. Hernández & Gómez-Hinostrosa (2015)

***Mammillaria schiedeana* Ehrenb. in *Allg. Gartenzeitung* 6: 249. 1838. Sec. Hunt (2016)**

- ≡ *Cactus schideanus* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria schiedeana* (Ehrenb.) Britton & Rose, *Cactaceae* 4: 128, f. 136. 1923 syn. sec. Korotkova (2021) ≡ *Chilita schiedeana* Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella schiedeana* (Ehrenb.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis schiedeana* (Ehrenb.) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria schiedeana* subsp. *dumetorum* (J.A.Purpus) D.R.Hunt, *Mammillaria Postscripts* 6: 7. 1997. Sec. Hunt (2016)**

- ≡ *Mammillaria dumetorum* J.A.Purpus in Monatsschr. Kakteenk. 22: 149. 1912 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 = *Ebnerella dumetorum* (J.A.Purpus) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria dumetorum* (J.A.Purpus) Y.Itô, *Cactaceae*: 568. 1981 ≡ *Mammillaria schiedeana* var. *dumetorum* (J.A.Purpus) Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* 53: 143. 1981 syn. sec. Kew WCVP (2019)

***Mammillaria schiedeana* subsp. *giselae* (Mart.-Aval. & Glass) Lüthy in *Kakteen And. Sukk.* 49(8): 184. 1998. Sec. Hunt (2016)**

- ≡ *Mammillaria giselae* Mart.-Aval. & Glass in *Bradleya* 15: 73. 1997 syn. sec. Hernández & Gómez-Hinostrosa (2015)

Mammillaria schiedeana* subsp. *schiedeana*. Sec. Hunt (2016)**Mammillaria schwarzii* Shurly in *Cact. Succ. J. Gr. Brit.* 11: 17. 1949. Sec. Hunt (2016)**

- ≡ *Krainzia schwarzii* (Shurly) Doweld in *Sukkulenty* 3: 43. 2000 syn. sec. Korotkova (2021)

***Mammillaria scrippsiana* (Britton & Rose) Orcutt in *Cactography* 8. 1926. Sec. Hunt (2016)**

- ≡ *Neomammillaria scrippsiana* Britton & Rose, *Cactaceae* 4: 84, f. 78. 1923 syn. sec. Hunt (2016)
 = *Mammillaria scrippsiana* var. *autlanensis* R.T.Craig & E.Y.Dawson in *Cact. Succ. J. (Los Angeles)* 20: 126. 1948 syn. sec. Kew WCVP (2019)
 = *Mammillaria pseudoscrippsiana* Backeb. in *Cactus (Paris)* 31(Suppl.): 4. 1952 syn. sec. Hunt (2016) ≡ *Mammillaria scrippsiana* var. *pseudoscrippsiana* (Backeb.) Repp., *Gattung Mammill. Monogr.* 2: 688. 1992 syn. sec. Kew WCVP (2019)
 = *Mammillaria scrippsiana* var. *armeria* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 149. 1987 syn. sec. Kew WCVP (2019)
 = *Mammillaria scrippsiana* subsp. *schumacheri* Linzen in *Kakteen And. Sukk.* 61: 159. 2010 syn. sec. Kew WCVP (2019)
 = *Mammillaria scrippsiana* var. *rooksbyana* Backeb. in *Cactus (Paris)* 30: 132. 1951 syn. sec. Kew WCVP (2019) –
Neomammillaria scrippsiana var. *rooksbyana* (Backeb.) Y.Itô, *Cactaceae*: 614. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Mammillaria scrippsiana* var. *typica* R.T.Craig & E.Y.Dawson in *Cact. Succ. J. (Los Angeles)* 20: 126. 1948, nom. inval. syn. sec. Kew WCVP (2019)

Mammillaria senilis* Lodd. ex Salm-Dyck, *Cact. Hort. Dyck., ed. 1849: 8. 1850. Sec. Hunt (2016)

- ≡ *Cactus senilis* (Lodd. ex Salm-Dyck) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891, nom. illeg. syn. sec. Tropicos ≡ *Cochemiea senilis* (Lodd. ex Salm-Dyck) Orcutt, *Circular to Cactus Fanciers*, p.i. 1922 ≡ *Mamillopsis senilis* (Lodd. ex Salm-Dyck) F.A.C.Weber ex Britton & Rose, *Cactaceae* 4: 19–20, f. 19–21. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2021)
 = *Mammillaria haseloffii* Ehrenb. in *Allg. Gartenzeitung* 17: 303. 1849 syn. sec. Britton & Rose (1923) ≡ *Mammillaria senilis* var. *haseloffii* (Ehrenb.) Salm-Dyck, *Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Britton & Rose (1923)* ≡ *Mammillaria senilis* var. *haseloffii* Ehrenb. ex Salm-Dyck, *Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Britton & Rose (1923)*
 = *Mammillaria linkei* Ehrenb. ex Salm-Dyck, *Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019)*
 = *Mammillaria senilis* var. *diguettii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 10: 383. 1904 ≡ *Mamillopsis diguettii* (F.A.C.Weber) Britton & Rose, *Cactaceae* 4: 20. 1923 ≡ *Mammillaria diguettii* (F.A.C.Weber) D.R.Hunt in *J. Mammillaria Soc.* 11: 59. 1971 syn. sec. Hernández & Gómez-Hinostrosa (2015)

***Mammillaria sinistrohamata* Boed. in *Monatsschr. Deutsch. Kakteen-Ges.* 4: 162. 1932. Sec. Hunt (2016)**

- ≡ *Ebnerella sinistrohamata* (Boed.) Buxb. in *Oesterr. Bot. Z.* 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita sinistrohamata* (Boed.) Buxb. in *Sukkulentenkunde* 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis sinistrohamata* (Boed.) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria sonorensis* R.T.Craig in *Cact. Succ. J. (Los Angeles)* 12: 155. 1940. Sec. Hunt (2016)**

- = *Mammillaria craigii* G.E.Linds. in *Cact. Succ. J. (Los Angeles)* 14: 107, f. 62–63. 1942 syn. sec. Hunt (2016)
 = *Mammillaria bellisiana* R.T.Craig, *Mammill. Handb.*: 304. 1945 syn. sec. Hunt (2016)
 = *Mammillaria movensis* R.T.Craig, *Mammill. Handb.*: 312. 1945 syn. sec. Hunt (2016)
 = *Mammillaria sonorensis* var. *brevispina* R.T.Craig, *Mammill. Handb.*: 91. 1945 syn. sec. Kew WCVP (2019)
 = *Mammillaria sonorensis* var. *gentryi* R.T.Craig, *Mammill. Handb.*: 91. 1945 syn. sec. Kew WCVP (2019)

- = *Mammillaria sonorensis* var. *hiltonii* R.T.Craig, Mammill. Handb.: 92. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria sonorensis* var. *longispina* R.T.Craig, Mammill. Handb.: 91. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria sonorensis* var. *maccartyi* R.T.Craig, Mammill. Handb.: 92. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria tesopacensis* R.T.Craig, Mammill. Handb.: 104, f. 86. 1945 syn. sec. Hunt (2016)
- = *Mammillaria tesopacensis* var. *rubraflora* R.T.Craig, Mammill. Handb.: 105. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria tinuvieliae* Laferr. in J. Mammillaria Soc. 38: 21. 1998 syn. sec. Kew WCVP (2019)

***Mammillaria sphaelata* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. German. Nat. Cur. 16(1): 339. 1832. Sec. Hunt (2016)**

- ≡ *Echinocactus sphaelatus* Poselg. in Allg. Gartenzeitung 21: 107. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus sphaelatus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria sphaelata* (Mart.) Britton & Rose, Cactaceae 4: 138. 1923 syn. sec. Tropicos ≡ *Chilita sphaelata* (Mart.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella sphaelata* (Mart.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Leptocladia sphaelata* (Mart.) Buxb. in Krainz, Kakteen 20: C VIIIc. 1962 syn. sec. Korotkova (2021) ≡ *Leptocladodia sphaelata* (Mart.) Buxb. in Krainz, Kakteen 20: C VIIIc. 1962 syn. sec. Korotkova (2021) ≡ *Escobariopsis sphaelata* (Mart.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria sphaelata* subsp. *sphaelata*. Sec. Hunt (2016)**

***Mammillaria sphaelata* subsp. *viperina* (J.A.Purpus) D.R.Hunt, *Mammillaria Postscripts* 6: 7. 1997. Sec. Hunt (2016)**

- ≡ *Mammillaria viperina* J.A.Purpus in Monatsschr. Kakteenk. 22: 148. 1912 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria viperina* (J.A.Purpus) Bravo in Anales Inst. Biol. Univ. Nac. Autón. México, Biol. 1: 124. 1930 syn. sec. Korotkova (2021) ≡ *Mammillaria elongata* var. *viperina* (J.A.Purpus) W.T.Marshall in Marshall & Bock, Cactaceae: 180. 1941 syn. sec. Kew WCVP (2019) ≡ *Leptocladia viperina* (J.A.Purpus) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Korotkova (2021) ≡ *Leptocladodia viperina* (J.A.Purpus) Buxb. in Krainz, Kakteen 15: CVIIIc. 1960 syn. sec. Korotkova (2021) ≡ *Mammillaria sphaelata* f. *viperina* (J.A.Purpus) Battaia & Zanov. in Piante Grasse 16: 18. 1996 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis viperina* (J.A.Purpus) Doweld in Sukkulenty 3: 42. 2000 syn. sec. Kew WCVP (2019)

***Mammillaria sphaerica* A.Dietr. in Allg. Gartenzeitung 21(12): 94. 1853. Sec. Hunt (2016)**

- ≡ *Cactus sphaericus* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Dolichothele sphaerica* (A.Dietr.) Britton & Rose, Cactaceae 4: 61. 1923 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria sphaerica* (A.Dietr.) Fosberg in Bull. S. Calif. Acad. Sci. 30: 58. 1931 syn. sec. Korotkova (2021) ≡ *Mammillaria longimamma* var. *sphaerica* (A.Dietr.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 128. 1969 syn. sec. Parfitt & Gibson (2003)
- = *Mammillaria paulii* Linzen in Mitt. Arbeitskreises Mammillarienfr. 29: 139. 2005 syn. sec. Kew WCVP (2019) ≡ *Mammillaria sphaerica* subsp. *paulii* (Linzen) Lodé in Cact.-Avent. Int. 98(Suppl.): 5. 2013 syn. sec. Kew WCVP (2019)

***Mammillaria spinosissima* Lem., Cact. Aliq. Nov. 1: 4. 1838. Sec. Hunt (2016)**

- ≡ *Cactus spinosissimus* (Lem.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria spinosissima* (Lem.) Britton & Rose, Cactaceae 4: 117–119, f. 124–125. 1923 syn. sec. Korotkova (2021)
- = *Cactus cylindricus* Ortega, Nov. Pl. Descr. Dec.: 128. 1800, nom. illeg. syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. [non *Cactus cylindricus* Lam.]
- = ?*Cactus coronatus* Willd., Enum. Pl., Suppl.: 30. 1814, nom. illeg. syn. sec. Leuenberger (2004) ≡ *Mammillaria coronata* G.Don f., Hort. Brit.: 194. 1830 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.: 20 mar 2021
- = ?*Mammillaria coronaria* Haw., Saxifrag. Enum. 2: 69. 1821 syn. sec. Hunt (1987)
- = *Mammillaria polycentra* A.Berg in Allg. Gartenzeitung 8: 130. 1840 syn. sec. Tropicos ≡ *Cactus polycentrus* (A.Berg) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria polycentra* (A.Berg) Y.Itô, Cactaceae: 598. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria polycantha* Lawr. in Gard. Mag. (London) 17: 313. 1841 syn. sec. Kew WCVP (2019)
- = *Mammillaria haynii* Ehrenb. in Bot. Zeitung (Berlin) 2: 833. 1844 syn. sec. Korotkova (2021) ≡ *Mammillaria heinei* Ehrenb. in Bot. Zeitung (Berlin) 2: 833. 1844 syn. sec. Korotkova (2021) ≡ *Cactus heinei* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria actinoplea* C.Ehrenb. in Allg. Gartenzeitung 16: 266. 1848 syn. sec. Kew WCVP (2019) ≡ *Cactus actinopleus* (C.Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria hepatica* C.Ehrenb. in Allg. Gartenzeitung 16: 267. 1848 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *hepatica* (Ehrenb.) Labour., Monogr. Cact.: 35. 1853 syn. sec. Kew WCVP (2019)
- = *Mammillaria polyacantha* C.Ehrenb. in Allg. Gartenzeitung 16: 265. 1848 syn. sec. Tropicos
- = *Mammillaria polyactina* C.Ehrenb. in Allg. Gartenzeitung 16: 266. 1848 syn. sec. Kew WCVP (2019)
- = *Mammillaria pomacea* C.Ehrenb. in Allg. Gartenzeitung 16: 267. 1848 syn. sec. Tropicos ≡ *Cactus pomaceus* (C.Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria amabilis* Ehrenb. in Allg. Gartenzeitung 17: 326. 1849 syn. sec. Kew WCVP (2019) ≡ *Cactus amabilis* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria atrosanguinea* Ehrenb. in Allg. Gartenzeitung 17: 270. 1849 syn. sec. Tropicos ≡ *Cactus atrosanguineus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
- = *Mammillaria aurorea* A.Dietr. in Allg. Gartenzeitung 17: 363. 1849 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *aurorea* (A.Dietr.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *aurorea* (A.Dietr.) Y.Itô, Cactaceae: 598. 1981, nom. inval. syn. sec. Kew WCVP (2019)

- = *Mammillaria aureora* Ehrenb. in Allg. Gartenzeitung 17: 303. 1849 syn. sec. Britton & Rose (1923) ≡ *Cactus aureoreus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Britton & Rose (1923)
- = *Mammillaria caesia* Ehrenb. in Allg. Gartenzeitung 17: 251. 1849 syn. sec. Kew WCVP (2019)
- = *Mammillaria eximia* Ehrenb. in Allg. Gartenzeitung 17: 309. 1849 syn. sec. Tropicos ≡ *Cactus eximius* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *eximia* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* f. *eximia* (Ehrenb.) Schelle, Handb. Kakteenkult.: 253. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria flava* C.Ehrenb. in Allg. Gartenzeitung 17: 261. 1849 syn. sec. Kew WCVP (2019) ≡ *Mammillaria tomentosa* var. *flava* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 12. 1850 syn. sec. Britton & Rose (1923) – *Mammillaria flava* Otto & A.Dietr. in Allg. Gartenzeitung 17: 261. 1849, nom. inval. syn. sec. Berendsohn
- = *Mammillaria herrmannii* Ehrenb. in Allg. Gartenzeitung 17: 303. 1849 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *herrmannii* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria isabellina* Ehrenb. in Allg. Gartenzeitung 17: 309. 1849 syn. sec. Tropicos ≡ *Cactus isabellinus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *isabellina* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* f. *isabellina* (Ehrenb.) Schelle, Handb. Kakteenkult.: 253. 1907 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *isabellina* (Gürke) Y.Itô, Cactaceae: 599. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria linkeana* Ehrenb. in Allg. Gartenzeitung 17: 308. 1849 syn. sec. Tropicos ≡ *Cactus linkeanus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria spinosissima* var. *linkeana* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria mirabilis* Ehrenb. in Allg. Gartenzeitung 17: 251. 1849 syn. sec. Tropicos ≡ *Mammillaria seegeri* var. *mirabilis* (Ehrenb.) Labour., Monogr. Cact.: 37. 1853 syn. sec. Kew WCVP (2019) ≡ *Cactus mirabilis* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *mirabilis* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria pretiosa* Ehrenb. in Allg. Gartenzeitung 17: 250. 1849 syn. sec. Kew WCVP (2019) ≡ *Cactus pretiosus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Hunt (2016) ≡ *Mammillaria spinosissima* var. *pretiosa* (Ehrenb.) Schelle, Handb. Kakteenkult.: 253. 1907 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *pretiosa* (Schelle) Y.Itô, Cactaceae: 599. 1981, nom. inval. syn. sec. IPNI
- = *Mammillaria pruinosa* Ehrenb. in Allg. Gartenzeitung 17: 261. 1849 syn. sec. Kew WCVP (2019) ≡ *Mammillaria seegeri* var. *pruinosa* (Ehrenb.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *pruinosa* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria pulcherrima* Ehrenb. in Allg. Gartenzeitung 17: 249. 1849 syn. sec. Tropicos ≡ *Cactus pulcherrimus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *pulcherrima* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria purpurascens* Ehrenb. in Allg. Gartenzeitung 17: 260. 1849 syn. sec. Kew WCVP (2019)
- = *Mammillaria seegeri* Ehrenb. in Allg. Gartenzeitung 17: 261. 1849 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *seegeri* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria umbrina* Ehrenb. in Allg. Gartenzeitung 17: 287. 1849 syn. sec. Tropicos ≡ *Cactus umbrinus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria umbrina* (Ehrenb.) Britton & Rose, Cactaceae 4: 164. 1923 syn. sec. Tropicos ≡ *Chilita umbrina* (Ehrenb.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria vulpina* Ehrenb. in Allg. Gartenzeitung 17: 308. 1849 syn. sec. Tropicos ≡ *Cactus vulpinus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *vulpina* (Ehrenb.) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria herrmannii* var. *flavicans* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria seegeri* var. *gracilispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria spinosissima* var. *brunnea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Britton & Rose (1923) ≡ *Mammillaria spinosissima* f. *brunnea* (Salm-Dyck) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *brunnea* (Salm-Dyck) Y.Itô, Cactaceae: 598. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria spinosissima* var. *flavida* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* f. *flavida* (Salm-Dyck) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *flavida* (Salm-Dyck) Y.Itô, Cactaceae: 599. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria spinosissima* var. *rubens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 8. 1850 syn. sec. Britton & Rose (1923) ≡ *Mammillaria spinosissima* f. *rubens* (Salm-Dyck) Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *rubens* (Salm-Dyck) Y.Itô, Cactaceae: 599. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria uhdeana* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 83. 1850 syn. sec. Kew WCVP (2019)
- = *Mammillaria castaneoides* Lem. ex Labour., Monogr. Cactaceae: 37. 1853 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *castaneoides* (Lem. ex Labour.) Borg, Cacti, ed. 1: 328. 1937 syn. sec. Kew WCVP (2019)
- = *Mammillaria sanguinea* J.N.Haage ex Regel in Trudy Imp. S.-Peterburgsk. Bot. Sada 8: 176. 1883 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* var. *sanguinea* (J.N.Haage ex Regel) Brandegee in Cycl. Amer. Hort. 2: 976. 1900 syn. sec. Kew WCVP (2019)
- = *Mammillaria albisetata* Hort. ex Rümpler, Handb. Cacteenk., ed. 2: 354. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria poselgeriana* J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2: 269. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria pretiosa* var. *crinata* Hildm. ex Rümpler, Handb. Cacteenk., ed. 2: 273. 1885 syn. sec. Kew WCVP (2019)
- = *Mammillaria spinosissima* var. *auricomata* Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019) ≡ *Mammillaria spinosissima* f. *auricomata* (Gürke) Schelle, Handb. Kakteenkult.: 253. 1907 syn. sec. Kew WCVP (2019) – *Neomammillaria polycentra* var. *auricomata* (Gürke) Y.Itô, Cactaceae: 598. 1981, nom. inval. syn. sec. Kew WCVP (2019)

- = *Mammillaria spinosissima* var. *haseloffii* Gürke in Blüh. Kakteen 6: t. 71. 1905 syn. sec. Kew WCVP (2019)
- = *Mammillaria coronaria* var. *beneckeii* Schelle, Handb. Kakteenkult.: 259. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria coronaria* var. *nigra* Schelle, Handb. Kakteenkult.: 259. 1907 syn. sec. Kew WCVP (2019)
- = *Mammillaria neocoronaria* F.M.Knuth, Kaktus-ABC: 392. 1935 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria neocoronaria* (F.M.Knuth) Y.Itô, Cactaceae: 618. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria virginis* Fittkau & Kladiwa in Krainz, Kakteen 46–47: C VIIIc. 1971 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria gasterantha* Repp. in Kakteen And. Sukk. 31: 139. 1980 syn. sec. Hunt (2016)
- = *Mammillaria spinosissima* f. *typica* Gürke in Blüh. Kakteen 6: t. 71. 1905, nom. inval. syn. sec. Kew WCVP (2019)
- = *Mammillaria spinosissima* var. *genuina* Gürke in Blüh. Kakteen 6: t. 71. 1905, nom. inval. syn. sec. Kew WCVP (2019)
- Mammillaria spinosissima* subsp. *pilcayensis* (Bravo) D.R.Hunt, *Mammillaria* Postscripts 6: 8. 1997. Sec. Hunt (2016)**
- ≡ *Mammillaria pilcayensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 28: 37. 1958 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- Mammillaria spinosissima* subsp. *spinosissima*. Sec. Hunt (2016)**
- = *Mammillaria tomentosa* Ehrenb. in Allg. Gartenzeitung 17: 262. 1849 syn. sec. Tropicos ≡ *Cactus tomentosus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Tropicos
- = *Mammillaria centraliplumosa* Fittkau in Cact. Suc. Mex. 16: 39. 1971 syn. sec. Hernández & Gómez-Hinostrosa (2015)
- = *Mammillaria centraliplumosa* var. *gracilis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens 2: 428. 1992 syn. sec. Tropicos
- = *Mammillaria haasii* J.Meyrán in Cact. Suc. Mex. 38(2): 28. 1993 syn. sec. Hunt (2016)
- Mammillaria spinosissima* subsp. *tepoxtlana* D.R.Hunt, *Mammillaria* Postscripts 6: 8. 1997. Sec. Hunt (2016)**
- = *Mammillaria auricoma* A.Dietr. in Allg. Gartenzeitung 14: 308. 1846 syn. sec. Tropicos ≡ *Cactus auricomus* (A.Dietr.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Tropicos
- Mammillaria standleyi* (Britton & Rose) Orcutt in *Cactography* 8. 1926. Sec. Hunt (2016)**
- ≡ *Neomammillaria standleyi* Britton & Rose, Cactaceae 4: 97, f. 93. 1923 syn. sec. Hunt (2016)
- = *Neomammillaria xanthina* Britton & Rose, Cactaceae 4: 164–165, f. 184. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria xanthina* (Britton & Rose) Boed., Mammillarien-Vergleichs-Schlüssel: 47. 1933 syn. sec. Hunt (2016) ≡ *Chilita xanthina* (Britton & Rose) Orcutt in *Cactography* 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria lindsayi* R.T.Craig in Cact. Succ. J. (Los Angeles) 12: 182. 1940 syn. sec. Hunt (2016)
- = *Mammillaria auricantha* R.T.Craig, Mammill. Handb.: 301. 1945 syn. sec. Hunt (2016)
- = *Mammillaria auritricha* R.T.Craig, Mammill. Handb.: 302. 1945 syn. sec. Hunt (2016)
- = *Mammillaria bellacantha* R.T.Craig, Mammill. Handb.: 303. 1945 syn. sec. Hunt (2016)
- = *Mammillaria canelensis* R.T.Craig, Mammill. Handb.: 307, f. 279. 1945 syn. sec. Tropicos ≡ *Neomammillaria canelensis* (R.T.Craig) Y.Itô, Cactaceae: 581. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria hertrichiana* R.T.Craig, Mammill. Handb.: 92. 1945 syn. sec. Hunt (2016)
- = *Mammillaria hertrichiana* var. *robustior* R.T.Craig, Mammill. Handb.: 93. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria laneusumma* R.T.Craig, Mammill. Handb.: 310. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria lanisumma* R.T.Craig, Mammill. Handb.: 310. 1945 syn. sec. Hunt (2016)
- = *Mammillaria lindsayi* var. *robustior* R.T.Craig, Mammill. Handb.: 88. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria mayensis* R.T.Craig, Mammill. Handb.: 116. 1945 syn. sec. Hunt (2016)
- = *Mammillaria montensis* R.T.Craig, Mammill. Handb.: 311. 1945 syn. sec. Hunt (2016)
- = *Mammillaria montensis* var. *monocentra* R.T.Craig, Mammill. Handb.: 312. 1945 syn. sec. Kew WCVP (2019) ≡ *Mammillaria occidentalis* var. *monocentra* (R.T.Craig) Backeb., Cactaceae 5: 3289. 1961 syn. sec. Kew WCVP (2019)
- = *Mammillaria montensis* var. *quadridentata* R.T.Craig, Mammill. Handb.: 312. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria standleyi* var. *robustispina* R.T.Craig, Mammill. Handb.: 86. 1945 syn. sec. Kew WCVP (2019)
- = *Mammillaria floresii* Fritz Schwarz in Blätt. Sukkulente: 5. 1949 syn. sec. Hunt (2016)
- = *Mammillaria casoi* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 25: 540. 1954 syn. sec. Hunt (2016)
- = *Mammillaria floresii* var. *hexacentra* Backeb., Kakteenlex.: 238. 1966 syn. sec. Kew WCVP (2019)
- = *Mammillaria miegiana* W.H.Earle in Saguaro Bull. 26: 77. 1972 syn. sec. Hunt (2016)
- = *Mammillaria lindsayi* var. *cobrensis* Repp. ex Hils, Gattung Mammillaria 2: 667. 1992 syn. sec. Hunt (2016) ≡ *Mammillaria sinforosensis* subsp. *cobrensis* (Repp. ex Hils) Linzen & R.Schumach. in Kakteen And. Sukk. 58: 236. 2007 syn. sec. Kew WCVP (2019) ≡ *Mammillaria cobrensis* (Repp. ex Hils) Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 32: 222. 2008 syn. sec. Hunt (2016)
- = *Mammillaria lindsayi* var. *rubriflora* Hils. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 17(1): 23, 31–35. 1993 syn. sec. Kew WCVP (2019) ≡ *Mammillaria sinforosensis* f. *rubriflora* (Hils) Linzen & R.Schumach. in Kakteen And. Sukk. 58: 236. 2007 syn. sec. Kew WCVP (2019)
- = *Mammillaria lindsayi* f. *narlinii* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 31(4): 220. 2007 syn. sec. Kew WCVP (2019)
- = *Mammillaria sinforosensis* Linzen & R.Schumach. in Kakteen And. Sukk. 58: 233. 2007 syn. sec. Hunt (2016)
- = *Mammillaria sinforosensis* subsp. *marionae* Linzen & R.Schumach. in Kakteen And. Sukk. 58: 234. 2007 syn. sec. Kew WCVP (2019)
- = *Mammillaria temorisensis* Rogoz. & Plein in Mitt. Arbeitskreises Mammillarienfr. 32: 145. 2008 syn. sec. Hunt (2016)
- = *Mammillaria maycobensis* Rogoz. & Plein in Mitteilungsbl. Arbeitskreises Mammillarienfr. 33: 193. 2009 syn. sec. Kew WCVP (2019)

- = *Mammillaria chaletii* Plein in J. Mammillaria Soc. 53: 99. 2013 syn. sec. Kew WCVP (2019)
- = *Mammillaria nacoriensis* Plein & Rogoz. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 37: 244. 2013 syn. sec. Kew WCVP (2019)
- Mammillaria supertexta* Mart. ex Pfeiff., Enum. Diagn. Cact.: 25. 1837.** Sec. Hunt (2016)
- ≡ *Cactus supertextus* (Mart. ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria elegans* var. *supertexta* (Mart. ex Pfeiff.) Schelle, Handb. Kakteenkult.: 261. 1907 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria supertexta* (Mart. ex Pfeiff.) Y.Itô, Cactaceae: 583. 1981 syn. sec. Korotkova (2021)
- = *Mammillaria supertexta* var. *dichotoma* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 88. 1850 syn. sec. Kew WCVP (2019)
- = *Neomammillaria lanata* Britton & Rose, Cactaceae 4: 104, f. 105. 1923 syn. sec. Hunt (2016) ≡ *Mammillaria lanata* (Britton & Rose) Orcutt in Cactography 7. 1926 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Mammillaria elegans* var. *lanata* (Britton & Rose) B.Hofm. in Informationsbrief Zentr. Arbeitsgem. "Mammillaria" 1985: 25. 1986 syn. sec. Kew WCVP (2019)
- = *Mammillaria martinézii* Backeb. in Cactus (Paris) 31(Suppl.): 2. 1952 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Neomammillaria martinézii* (Backeb.) Y.Itô, Cactaceae: 579. 1981 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- = *Mammillaria supertexta* var. *leucostoma* Backeb., Cactaceae 5: 3230. 1961 syn. sec. Kew WCVP (2019)
- Mammillaria surculosa* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 3: 78. 1931.** Sec. Hunt (2016)
- ≡ *Dolichothele surculosa* (Boed.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 152. 1951 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella surculosa* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019)
- Mammillaria tayloriorum* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 47(2): 175. 1975.** Sec. Hunt (2016)
- Mammillaria tonalensis* D.R.Hunt in Cact. Succ. J. Gr. Brit. 41(4): 103–104. 1979.** Sec. Hunt (2016)
- ≡ *Escobariopsis tonalensis* (D.R.Hunt) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)
- Mammillaria uncinata* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 34. 1837.** Sec. Hunt (2016)
- ≡ *Cactus uncinatus* (Zucc. ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria uncinata* (Zucc. ex Pfeiff.) Britton & Rose, Cactaceae 4: 140. 1923 syn. sec. Korotkova (2021)
- = *Mammillaria bihamata* Pfeiff. in Allg. Gartenzeitung 6: 274. 1838 syn. sec. Tropicos ≡ *Cactus bihamatus* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria uncinata* var. *bihamata* (Pfeiff.) Backeb., Cactaceae 5: 3143. 1961 syn. sec. Kew WCVP (2019)
- = *Mammillaria depressa* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 5: 494. 1838 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. ≡ *Cactus depressus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Mammillaria uncinata* var. *biuncinata* Lem., Cact. Gen. Sp. Nov.: 96. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria uncinata* var. *spinosior* Lem., Cact. Gen. Sp. Nov.: 96. 1839 syn. sec. Kew WCVP (2019)
- = *Mammillaria adunca* Scheidw. ex C.F.Först., Handb. Cacteenk.: 222. 1846 syn. sec. Kew WCVP (2019)
- = *Mammillaria uncinata* var. *rhodantha* A.Dietr. in Allg. Gartenzeitung 18: 185. 1850 syn. sec. Kew WCVP (2019)
- Mammillaria varieaculeata* F.G.Buchenau in Cact. Suc. Mex. 11: 79, fig. 40. 1966.** Sec. Hunt (2016)
- Mammillaria vetula* Mart. in Nov. Actorum Acad. Caes. Leop.-Carol. German. Nat. Cur. 16(1): 338, pl. 24. 1832.** Sec. Hunt (2016)
- ≡ *Cactus vetulus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria vetula* (Mart.) Britton & Rose, Cactaceae 4: 130–131, f. 143. 1923 syn. sec. Korotkova (2021) ≡ *Chilita vetula* (Mart.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis vetula* (Mart.) Doweld in Sukkulenty 3: 41. 2000 syn. sec. Kew WCVP (2019)
- = *Mammillaria regia* Ehrenb. in Allg. Gartenzeitung 17: 269. 1849 syn. sec. Tropicos ≡ *Cactus regius* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)
- = *Mammillaria fragilis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 103. 1850 syn. sec. Hunt (2016) ≡ *Neomammillaria fragilis* (Salm-Dyck) Britton & Rose, Cactaceae 4: 133–134, f. 145. 1923 syn. sec. Kew WCVP (2019) ≡ *Chilita fragilis* (Salm-Dyck) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria pulchella* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 10, 94. 1850 syn. sec. Tropicos ≡ *Mammillaria gracilis* var. *pulchella* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 13, 103. 1850 syn. sec. Britton & Rose (1923) ≡ *Cactus pulchellus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Mammillaria gracilis* f. *pulchella* (Salm-Dyck) Schelle, Kakteen: 317. 1926 syn. sec. Kew WCVP (2019)
- = *Mammillaria gracilis* var. *fragilis* A.Berger, Kakteen: 304. 1929 syn. sec. Kew WCVP (2019)
- = *Mammillaria vetula* subsp. *lacostei* Plein & Heinr.Weber in Mitt. Arbeitskreises Mammillarienfr. 27: 210. 2003 syn. sec. Kew WCVP (2019)
- Mammillaria vetula* subsp. *gracilis* (Pfeiff.) D.R.Hunt, Mammillaria Postscripts 6: 6. 1997.** Sec. Hunt (2016)
- ≡ *Mammillaria gracilis* Pfeiff. in Allg. Gartenzeitung 6: 275. 1838 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Cactus gracilis* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Escobariopsis gracilis* (Pfeiff.) Doweld in Sukkulenty 3: 40. 2000 syn. sec. Kew WCVP (2019) ≡ *Krainzia gracilis* (Pfeiff.) Doweld in Novosti Sist. Vyssh. Rast. 33: 169. 2001
- Mammillaria vetula* subsp. *vetula*.** Sec. Hunt (2016)
- = *Mammillaria magneticola* J.Meyrán in Cact. Suc. Mex. 6: 17, fig. 8, 9. 1961 syn. sec. Hunt (2016) ≡ *Mammillaria vetula* subsp. *magneticola* (J.Meyrán) U.Guzmán, Cat. Cactaceas Mex.: 163. 2003 syn. sec. Tropicos
- = *Mammillaria kuentziana* P.Fearn & B.Fearn in Natl. Cact. Succ. J. 18: 33. 1963 syn. sec. Hunt (2016)

***Mammillaria wagneriana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 4: 199. 1932.** Sec. Hunt (2016)

- ≡ *Neomammillaria wagneriana* (Boed.) Y.Itô, Cactaceae: 616. 1981 syn. sec. Korotkova (2021)
 = *Mammillaria crassa* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 139. 1989 syn. sec. Hunt (2016)
 = *Mammillaria antesbergeriana* A.B.Lau in Cact. Succ. J. (Los Angeles) 63(1): 17. 1991 syn. sec. Hunt (2016)

***Mammillaria weingartiana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 4: 219. 1932.** Sec. Hunt (2016)

- ≡ *Ebnerella weingartiana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita weingartiana* (Boed.) Buxb. in Sukkulentenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019) ≡ *Escobariopsis weingartiana* (Boed.) Doweld in Sukkulenty 3: 42. 2000 syn. sec. Kew WCVP (2019)
 = *Mammillaria unihamata* Boed. in Kakteenkunde & Kakteenfr. 6: 40. 1937 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Ebnerella unihamata* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita unihamata* (Boed.) Buxb. in Sukkulentenkunde 5: 19. 1954 syn. sec. Kew WCVP (2019)

Mammillaria wiesingeri* Boed. in Kakteenkunde 1933: 204. 1933.** Sec. Hunt (2016)Mammillaria wiesingeri* subsp. *apamensis* (Repp.) D.R.Hunt, Mammillaria Postscripts 6: 8. 1997.** Sec. Hunt (2016)

- ≡ *Mammillaria apamensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 71. 1987 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 = *Mammillaria erectacantha* C.F.Först. in Allg. Gartenzeitung 15: 50. 1847 syn. sec. Tropicos ≡ *Cactus erectacanthus* (C.F.Först.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019)
 = *Mammillaria mundtii* K.Schum. in Monatsschr. Kakteenk. 13: 141. 1903 syn. sec. Hunt (2016) ≡ *Neomammillaria mundtii* (K.Schum.) Britton & Rose, Cactaceae 4: 112. 1923 syn. sec. Korotkova (2021)
 = *Mammillaria apamensis* var. *pratensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 73. 1987 syn. sec. Kew WCVP (2019)

Mammillaria wiesingeri* subsp. *wiesingeri*.** Sec. Hunt (2016)Mammillaria winterae* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 1: 119. 1929.** Sec. Hunt (2016)

- ≡ *Neomammillaria winterae* (Boed.) Y.Itô, Cactaceae: 613. 1981 syn. sec. Korotkova (2021)

***Mammillaria winterae* subsp. *aramberri* D.R.Hunt, Mammillaria Postscripts 6: 10. 1997.** Sec. Hunt (2016)

- = *Mammillaria crassimammillis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 169. 1987 syn. sec. Hunt (2016)

***Mammillaria winterae* subsp. *winterae*.** Sec. Hunt (2016)

- = *Mammillaria zahiana* Boed. & F.Ritter in Monatsschr. Deutsch. Kakteen-Ges. 1: 120. 1929 syn. sec. Hunt (2016)
 = *Mammillaria freudenbergii* Repp. in Kakteen And. Sukk. 38: 255. 1987 syn. sec. Hunt (2016) – *Mammillaria freudenbergii* Repp. in Kakteen And. Sukk. 38: 255. 1987 syn. sec. TPL (2013) [is misspelling for *Mammillaria freudenbergii* Repp.]

***Mammillaria xaltiangensis* Sánchez-Mej. in Anales Inst. Biol. Univ. Nac. Autón. México, Bot. 44(1): 30. 1973.** Sec. Hunt (2016)

- = *Mammillaria xaltiangensis* var. *aguilensis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 106. 1987 syn. sec. Kew WCVP (2019)

***Mammillaria xaltiangensis* subsp. *bambusiphila* (Repp.) D.R.Hunt, Mammillaria Postscripts 6: 8. 1997.** Sec. Hunt (2016)

- ≡ *Mammillaria bambusiphila* Repp. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 10(5): 161. 1986 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 = *Mammillaria bambusiphila* var. *parva* Repp. in Mitteilungsbl. Arbeitskreises Mammillarienfr. 10: 167. 1986 syn. sec. Hernández & Gómez-Hinostrosa (2015)
 = *Mammillaria compacticaulis* Repp., Gattung Mammill. nach dem Heutigen Stand Meines Wissens: 80. 1989 syn. sec. Hunt (2016)

Mammillaria xaltiangensis* subsp. *xaltiangensis*.** Sec. Hunt (2016)Mammillaria zeilmanniana* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 3: 227. 1931.** Sec. Hunt (2016)

- ≡ *Ebnerella zeilmanniana* (Boed.) Buxb. in Oesterr. Bot. Z. 98: 90. 1951 syn. sec. Kew WCVP (2019) ≡ *Chilita zeilmanniana* (Boed.) Buxb. in Sukkulentenkunde 5: 21. 1954 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria zeilmanniana* (Boed.) Y.Itô, Cactaceae: 590. 1981 syn. sec. Korotkova (2021) ≡ *Mammillaria crinita* f. *zeilmanniana* (Boed.) Glass, Guía Identific. Cact. Amenazadas México: s.p. 1997 ["1998"] syn. sec. Kew WCVP (2019)

***Mammillaria zephyranthoides* Scheidw. in Allg. Gartenzeitung 9: 41. 1841.** Sec. Hunt (2016)

- ≡ *Cactus zephyranthodes* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria zephyranthoides* (Scheidw.) Britton & Rose, Cactaceae 4: 159. 1923 syn. sec. Korotkova (2021) ≡ *Chilita zephyranthoides* (Scheidw.) Orcutt in Cactography 2. 1926 syn. sec. Kew WCVP (2019) ≡ *Ebnerella zephyranthoides* (Scheidw.) Buxb. in Oesterr. Bot. Z. 98: 91. 1951 syn. sec. Kew WCVP (2019) ≡ *Dolichothele zephyranthoides* (Scheidw.) Backeb., Cactaceae 5: 3528. 1961 syn. sec. Kew WCVP (2019) ≡ *Bartschella zephyranthoides* (Scheidw.) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Hunt (2016)

- = *Mammillaria fennelii* Hopffer in Allg. Gartenzeitung 11: 3. 1843 syn. sec. Kew WCVP (2019)

- = *Mammillaria zephyranthiflora* Pfeiff., Abbild. Besch. Cact. 2: t. 8. 1846 syn. sec. Britton & Rose (1923)

***Mammillaria zephyranthoides* subsp. *heidiae* (Krainz) Lüthy in Kakteen And. Sukk. 51(3): 63. 2000.** Sec. Hunt (2016)

- ≡ *Mammillaria heidiae* Krainz in Kakteen And. Sukk. 26(10): 217. 1975 syn. sec. Hernández & Gómez-Hinostrosa (2015) ≡ *Bartschella heidiae* (Krainz) Doweld in Sukkulenty 3: 38. 2000 syn. sec. Hernández & Gómez-Hinostrosa (2021)

– *Mammillaria leidia* Krainz in *Kakteen And. Sukk.* 26: 217. 1975 syn. sec. Metzging (2021) [is misspelling for *Mammillaria heidia* Krainz]

***Mammillaria zephyranthoides* subsp. *zephyranthoides*.** Sec. Hunt (2016)

***Mammillaria zuberlae* Repp., *Gattung Mammill. nach dem Heutigen Stand Meines Wissens*: 48. 1987.** Sec. Hunt (2016)

≡ *Mammillaria prolifera* subsp. *zuberlae* (Repp.) D.R.Hunt, *Mammillaria Postscripts* 6: 6. 1997 syn. sec. Kew WCVP (2019) ≡

Escobariopsis prolifera subsp. *zuberlae* (Repp.) Doweld in *Sukkulenty* 3: 41. 2000 syn. sec. Kew WCVP (2019)

= *Mammillaria cielenensis* Mart.-Aval., Golubov, S.Arias & Villarreal in *Acta Bot. Mex.* 97: 84. 2011 syn. sec. Kew WCVP (2019)

***Marshallocereus* Backeb. in *Cact. Succ. J. (Los Angeles)* 22: 154. 1950.** Sec. Arias (2021)

Type: *Marshallocereus aragonii* (F.A.C.Weber) Backeb.

Notes. – **Phylogenetics:** Some phylogenetic analyses and taxonomic studies confirm that *Marshallocereus* belongs to the *Pachycereinae* subtribe, but its relationship with *Cephalocereus* and *Pachycereus* is still uncertain (Arias & al. 2003; Arias & Terrazas 2006, 2009). Its distribution is one of the southernmost of *Pachycereinae*, in the Mesoamerican region (Mexico to Costa Rica). The recognition of more than one species is not resolved. [Arias (2021)]

***Marshallocereus aragonii* (F.A.C.Weber) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 121. 1951.** Sec. Arias (2021)

≡ *Cereus aragonii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 456. 1902 syn. sec. Arias (2021) ≡ *Lemaireocereus aragonii*

(F.A.C.Weber) Britton & Rose, *Cactaceae* 2: 92. 1920 syn. sec. Arias (2021) ≡ *Neolemaireocereus aragonii* (F.A.C.Weber)

Backeb. in *Cactaceae* (Berlin) 1944: 16. 1944 syn. sec. Arias (2021) ≡ *Stenocereus aragonii* (F.A.C.Weber) Buxb. in *Bot. Stud.*

12: 99. 1961 syn. sec. Arias (2021) ≡ *Pachycereus aragonii* (F.A.C.Weber) P.V.Heath in *Calyx* 2(3): 106. 1992 syn. sec. Arias (2021)

= *Cereus schumannii* Mathsson ex K.Schum. in *Monatsschr. Kakteenk.* 9: 131. 1899 syn. sec. Arias (2021) ≡ *Lemaireocereus*

schumannii (Mathsson ex K.Schum.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 425. 1909 syn. sec. Arias (2021) ≡

Rathbunia laevigata var. *schumannii* (Mathsson ex K.Schum.) P.V.Heath in *Calyx* 2: 104. 1992 syn. sec. Arias (2021) ≡

Stenocereus laevigatus var. *schumannii* (Mathsson ex K.Schum.) P.V.Heath in *Calyx* 5: 101. 1996 syn. sec. Arias (2021) ≡

Pachycereus schumannii (Mathsson ex K.Schum.) C.Nelson in *Ceiba* 42: 16. 2001 syn. sec. Arias (2021)

= *Cereus aragonii* var. *palmatus* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 456. 1902 syn. sec. Arias (2021) ≡ *Pachycereus*

aragonii var. *palmatus* (F.A.C.Weber) P.V.Heath in *Calyx* 2: 106. 1992 syn. sec. Arias (2021)

= *Cereus laevigatus* var. *guatemalensis* Eichlam in *Monatsschr. Kakteenk.* 22: 182. 1912 syn. sec. Arias (2021) ≡

Lemaireocereus laevigatus var. *guatemalensis* (Eichlam) Borg, *Cacti*, ed. 2: 163, 471. 1951 syn. sec. Arias (2021)

= *Lemaireocereus eichlamii* Britton & Rose, *Cactaceae* 2: 89. 1920 syn. sec. Arias (2021) ≡ *Cereus eichlamii* (Britton & Rose)

Standl. in *Publ. Field Mus. Nat. Hist., Bot. Ser.* 9: 316. 1940 syn. sec. Arias (2021) ≡ *Ritterocereus eichlamii* (Britton & Rose)

Backeb. in *Cact. Succ. J. (Los Angeles)* 23(4): 121. 1951 syn. sec. Arias (2021) ≡ *Stenocereus eichlamii* (Britton & Rose)

Buxb. ex Bravo, *Cact. México*, ed. 2: 585–587. 1978 syn. sec. Arias (2021) ≡ *Rathbunia eichlamii* (Britton & Rose) P.V.Heath

in *Calyx* 2: 104. 1992 syn. sec. Arias (2021) ≡ *Marshallocereus aragonii* subsp. *eichlamii* (Britton & Rose) Guiggi in

Cactology 3: 8. 2012 syn. sec. Arias (2021) ≡ *Pachycereus eichlamii* (Britton & Rose) D.R.Hunt in *Cactaceae Syst. Init.* 31: 14.

2013 syn. sec. Arias (2021)

***Matucana* Britton & Rose, *Cactaceae* 3: 102. 1922.** Sec. Hunt (2016)

Type: *Matucana haynei* (Otto ex Salm-Dyck) Britton & Rose

= *Submatucana* Backeb., *Cactaceae* 2: 1059. 1959 syn. sec. Hunt (2006). Type: *Submatucana aurantiaca* (Vaupel) Backeb.

= *Eomatucana* F.Ritter in *Kakteen And. Sukk.* 16: 230. 1965 syn. sec. Hunt (2006). Type: *Eomatucana oreodoxa* F.Ritter

= *Loxanthocereus* subg. *Anhaloniopsis* Buxb. in *Krainz, Kakteen* 58: CVc. 1974 syn. sec. IPNI

≡ *Anhaloniopsis* (Buxb.) Mottram in *Cactician* 5: 11. 2014

***Matucana aurantiaca* (Vaupel) Buxb. in *Krainz, Kakteen* 54: CVb. 1973.** Sec. Hunt (2016)

≡ *Echinocactus aurantiacus* Vaupel in *Bot. Jahrb. Syst.* 50(2-3, Beibl. 111): 23. 1913 syn. sec. Hunt (2016) ≡ *Arequipa*

aurantiaca (Vaupel) Werderm. in *Kakteenkunde* 1939: 77. 1939 syn. sec. Hunt (2016) ≡ *Borzicactus aurantiacus* (Vaupel)

Kimnach & Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 47. 1957 syn. sec. Hunt (2016) ≡ *Submatucana aurantiaca* (Vaupel)

Backeb., *Cactaceae* 2: 1061. 1959 syn. sec. Hunt (2016)

= *Borzicactus calvescens* Kimnach & Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 112. 1957 syn. sec. Kew WCVP (2019) ≡

Submatucana calvescens (Kimnach & Hutchison) Backeb., *Cactaceae* 2: 1061. 1959 syn. sec. Tropicos ≡ *Borzicactus*

aurantiacus var. *calvescens* (Kimnach & Hutchison) Donald in *Natl. Cact. Succ. J.* 26: 10. 1971 syn. sec. Hunt (2016) ≡

Matucana calvescens (Kimnach & Hutchison) Buxb. in *Krainz, Kakteen*: CVb. 1973 syn. sec. Tropicos

= *Echinopsis ceroniana* Molinari & Mayta in *Succulentopi@* 14: 19. 2015 syn. sec. Kew WCVP (2019)

***Matucana aurantiaca* subsp. *aurantiaca*.** Sec. Hunt (2016)

= *Matucana pallarensis* F.Ritter, *Kakteen Südamerika* 4: 1501. 1981 syn. sec. Hunt (2016)

***Matucana aurantiaca* subsp. *currundayensis* (F.Ritter) Mottram in *Cactaceae Consensus Init.* 3: 11. 1997.** Sec. Hunt (2016)

≡ *Matucana currundayensis* F.Ritter in *Succulenta* (Netherlands) 1958: 139. 1958 syn. sec. Hunt (2016) ≡ *Submatucana*

currundayensis (F.Ritter) Backeb., *Cactaceae* 6: 3702. 1962 syn. sec. Tropicos

***Matucana aurantiaca* subsp. *fruticosa* (F.Ritter) Mottram in *Cactaceae Syst. Init.* 14: 17. 2002.** Sec. Hunt (2016)

≡ *Matucana fruticosa* F.Ritter in *Succulenta* (Netherlands) 46: 3. 1967 syn. sec. Hunt (2016) ≡ *Borzicactus fruticosus* (F.Ritter)

Donald in *Natl. Cact. Succ. J.* 26: 10. 1971 syn. sec. Kew WCVP (2019)

***Matucana aurantiaca* subsp. *hastifera* (F.Ritter) Mottram in *Cactaceae Syst. Init.* 14: 17. 2002. Sec. Hunt (2016)**

≡ *Matucana hastifera* F.Ritter, *Kakteen Südamerika* 4: 1496. 1981 syn. sec. Hunt (2016)

***Matucana aurantiaca* subsp. *polzii* (Diers, Donald & Zecher) Mottram in *Cactaceae Syst. Init.* 14: 17. 2002. Sec. Hunt (2016)**

≡ *Matucana polzii* Diers, Donald & Zecher in *Kakteen And. Sukk.* 37(6): 118. 1986 syn. sec. Hunt (2016)

***Matucana aureiflora* F.Ritter in *Kakteen And. Sukk.* 16: 229. 1965. Sec. Hunt (2016)**

≡ *Submatucana aureiflora* (F.Ritter) Backeb., *Kakteenlex.*: 459. 1966 syn. sec. Tropicos ≡ *Borzicactus aureiflorus* (F.Ritter) Donald in *Natl. Cact. Succ. J.* 26: 10. 1971 syn. sec. Hunt (2016)

***Matucana formosa* F.Ritter in *Taxon* 12: 125. 1963. Sec. Hunt (2016)**

≡ *Submatucana formosa* (F.Ritter) Backeb., *Descr. Cact. Nov.* 3: 14. 1963 syn. sec. Tropicos ≡ *Borzicactus formosus* (F.Ritter) Donald in *Natl. Cact. Succ. J.* 26: 10. 1971 syn. sec. Hunt (2016) ≡ *Loxanthocereus formosus* (F.Ritter) Buxb. in *Krainz, Kakteen* 57: CV c. 1974 syn. sec. Kew WCVP (2019)

= *Matucana formosa* var. *minor* F.Ritter in *Taxon* 12(3): 125. 1963 syn. sec. Kew WCVP (2019) ≡ *Submatucana formosa* var. *minor* (F.Ritter) Backeb., *Descr. Cact. Nov.* 3: 14. 1963 syn. sec. Kew WCVP (2019)

***Matucana haynei* (Otto ex Salm-Dyck) Britton & Rose, *Cactaceae* 3: 102. 1922. Sec. Hunt (2016)**

≡ *Echinocactus haynei* Otto ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 32. 1850 syn. sec. Hunt (2016) ≡ *Mammillaria haynei* (Otto ex Salm-Dyck) Ehrenb. in *Bot. Zeitung* (Berlin) 2: 833. 1844 syn. sec. Kew WCVP (2019) ≡ *Cereus haynei* (Otto ex Salm-Dyck) Croucher in *Garden* (London 1871-1927) 13: 290. 1878 syn. sec. Kew WCVP (2019) ≡ *Borzicactus haynei* (Otto ex Salm-Dyck) Kimmach in *Cact. Succ. J.* (Los Angeles) 32: 92. 1960 syn. sec. Hunt (2016) ≡ *Arequipa haynei* (Otto ex Salm-Dyck) Krainz, *Kakteen* 25: C vb. 1963 syn. sec. Hunt (2016) ≡ *Echinopsis haynei* (Otto ex Salm-Dyck) Molinari in *Succulentopi*@ 13: 19. 2015 syn. sec. Hunt (2016)

= *Mammillaria digitalis* Ehrenb. in *Allg. Gartenzeitung* 16: 267. 1848 syn. sec. Kew WCVP (2019)

= *Mammillaria viridula* Ehrenb. in *Allg. Gartenzeitung* 16: 267. 1848 syn. sec. Kew WCVP (2019) ≡ *Mammillaria haynei* var. *viridula* (Ehrenb.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria haynei* f. *viridula* (Ehrenb.) Schelle, *Kakteen*: 319. 1926 syn. sec. Kew WCVP (2019)

= *Mammillaria haynei* var. *minima* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019) ≡ *Mammillaria haynei* f. *minima* (Salm-Dyck) Schelle, *Kakteen*: 319. 1926 syn. sec. Kew WCVP (2019)

= *Mammillaria viridula* var. *minima* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 10. 1850 syn. sec. Kew WCVP (2019)

= *Matucana herzogiana* var. *perplexa* Backeb. in *Cact. Succ. J.* (Los Angeles) 2(4): 70–71. 1956 syn. sec. Kew WCVP (2019) ≡ *Borzicactus haynei* var. *perplexa* (Backeb.) Donald in *Natl. Cact. Succ. J.* 25: 111. 1970 syn. sec. Kew WCVP (2019)

= *Matucana hystrix* var. *atrispina* Rauh & Backeb., *Descr. Cact. Nov.* 1: 19. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Borzicactus haynei* var. *atrispina* (Rauh & Backeb.) Donald in *Natl. Cact. Succ. J.* 25: 111. 1970 syn. sec. Kew WCVP (2019)

= *Matucana haynei* var. *erectipetala* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 339. 1958 syn. sec. Kew WCVP (2019) ≡ *Arequipa haynei* var. *erectipetala* (Rauh & Backeb.) Krainz, *Kakteen* 25: C Vb. 1963 syn. sec. Kew WCVP (2019)

= *Matucana variabilis* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 348. 1958 syn. sec. Hunt (2016) ≡ *Borzicactus variabilis* (Rauh & Backeb.) Donald in *Natl. Cact. Succ. J.* 25: 72. 1970 syn. sec. Kew WCVP (2019)

= *Matucana variabilis* var. *fuscata* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 348. 1958 syn. sec. Kew WCVP (2019)

– *Matucana haynei* var. *pectinifera* F.Ritter & Y.Itô in Itô, *Cactaceae*: 361. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Matucana haynei* subsp. *haynei*. Sec. Hunt (2016)**

= *Matucana cereoides* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 345. 1958 syn. sec. Hunt (2016)

= *Matucana comacephala* F.Ritter in *Succulenta* (Netherlands) 8: 92. 1958 syn. sec. Hunt (2016)

= *Matucana elongata* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 347. 1958 syn. sec. Hunt (2016) ≡ *Matucana haynei* var. *elongata* (Rauh & Backeb.) F.Ritter, *Kakteen Südamerika* 4: 1497. 1981 syn. sec. Kew WCVP (2019)

= *Matucana supertexta* F.Ritter, *Kakteen Südamerika* 4: 1504. 1981 syn. sec. Hunt (2016)

***Matucana haynei* subsp. *herzogiana* (Backeb.) Mottram in *Cactaceae Consensus Init.* 3: 11. 1997. Sec. Hunt (2016)**

≡ *Matucana herzogiana* Backeb. in *Natl. Cact. Succ. J.* 11: 71. 1956 syn. sec. Hunt (2016)

= *Matucana blancii* Backeb. in *Natl. Cact. Succ. J.* 11: 71. 1956 syn. sec. Hunt (2016) ≡ *Borzicactus haynei* var. *blancii* (Backeb.) Donald in *Natl. Cact. Succ. J.* 25: 72. 1970 syn. sec. Kew WCVP (2019)

= *Matucana blancii* var. *nigriarmata* Backeb. in *Natl. Cact. Succ. J.* 11: 71. 1956 syn. sec. Kew WCVP (2019)

= *Matucana yanganucensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 1506. 1957 ["1956"] syn. sec. Hunt (2016)

= *Matucana yanganucensis* var. *albispina* Rauh & Backeb., *Descr. Cact. Nov.* 1: 18. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Matucana yanganucensis* var. *fuscispina* Rauh & Backeb., *Descr. Cact. Nov.* 1: 18. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Matucana yanganucensis* var. *parviflora* Rauh & Backeb., *Descr. Cact. Nov.* 1: 19. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Matucana yanganucensis* var. *salmonia* Rauh & Backeb., *Descr. Cact. Nov.* 1: 18. 1957 ["1956"] syn. sec. Kew WCVP (2019)

- = *Matucana yanganucensis* var. *longistyla* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 352. 1958 syn. sec. Tropicos
- = *Matucana yanganucensis* var. *suberecta* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 355. 1958 syn. sec. Kew WCVP (2019)
- = *Matucana crinifera* F.Ritter in Taxon 12(3): 125. 1963 syn. sec. Hunt (2016) ≡ *Matucana haynei* subsp. *crinifera* (F.Ritter) Wittner, Cact. Explor. 4: 57. 2012 syn. sec. Kew WCVP (2019)
- = *Matucana megalantha* F.Ritter in Succulenta (Netherlands) 8: 117. 1966 syn. sec. Hunt (2016) ≡ *Borzicactus aurantiacus* var. *megalantha* (F.Ritter) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Kew WCVP (2019)
- = *Matucana yanganucensis* var. *setosa* F.Ritter, Kakteen Südamerika 4: 1507. 1981 syn. sec. Kew WCVP (2019)
- Matucana haynei* subsp. *hystrix* (Rauh & Backeb.) Mottram in Cactaceae Consensus Init. 3: 11. 1997. Sec. Kew WCVP (2019)**
- ≡ *Matucana hystrix* Rauh & Backeb., Descr. Cact. Nov. 1: 19. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Borzicactus haynei* var. *hystrix* (Rauh & Backeb.) Donald in Natl. Cact. Succ. J. 25: 72. 1970 syn. sec. Kew WCVP (2019) – *Matucana multicolor* var. *hystrix* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1499. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Matucana breviflora* Rauh & Backeb., Descr. Cact. Nov. 1: 18. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Borzicactus haynei* var. *breviflora* (Rauh & Backeb.) Donald in Natl. Cact. Succ. J. 25: 72. 1970 syn. sec. Kew WCVP (2019) – *Matucana multicolor* var. *breviflora* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1500. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Matucana hystrix* var. *umadeavoides* Rauh & Backeb., Descr. Cact. Nov. 1: 19. 1957 ["1956"] syn. sec. Hunt (2016)
- = *Matucana multicolor* Rauh & Backeb., Descr. Cact. Nov. 1: 19. 1957 ["1956"] syn. sec. Hunt (2016)
- Matucana haynei* subsp. *myriacantha* (Vaupel) Mottram in Cactaceae Consensus Init. 3: 11. 1997. Sec. Hunt (2016)**
- ≡ *Echinocactus myriacanthus* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 25. 1913 syn. sec. Hunt (2016) ≡ *Arequipa myriacantha* (Vaupel) Britton & Rose, Cactaceae 3: 101. 1922 syn. sec. Hunt (2016) ≡ *Submatucana myriacantha* (Vaupel) Backeb., Cactaceae 2: 1063. 1959 syn. sec. Tropicos ≡ *Borzicactus weberbaueri* var. *myriacanthus* (Vaupel) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Hunt (2016) ≡ *Matucana myriacantha* (Vaupel) Buxb. in Krainz, Kakteen 54: CVb. 1973 syn. sec. Hunt (2016) ≡ *Borzicactus myriacanthus* (Vaupel) Donald in Ashingtonia 1(9): 104. 1974 syn. sec. Hunt (2016)
- = *Matucana calocephala* Skarupke in Stachelpost 9: 99. 1973 syn. sec. Hunt (2016)
- = *Matucana purpureoalba* F.Ritter, Kakteen Südamerika 4: 1502. 1981 syn. sec. Hunt (2016) ≡ *Matucana myriacantha* f. *purpureoalba* (F.Ritter) Lodé in Cact. Avent. 27: 29. 1995 syn. sec. Kew WCVP (2019)
- = *Matucana winteri* F.Ritter, Kakteen Südamerika 4: 1507. 1981 syn. sec. Hunt (2016)
- Matucana hoxeyi* (G.J.Charles) G.J.Charles in Cact. Explor. 7: 40. 2013. Sec. Hunt (2016)**
- ≡ *Matucana paucicostata* subsp. *hoxeyi* G.J.Charles in Quepo 24: 67. 2010 syn. sec. Hunt (2016)
- Matucana huagalensis* (Donald & A.B.Lau) Bregmann, Meerst., Melis & Pullen in Succulenta (Netherlands) 67: 155. 1988. Sec. Hunt (2016)**
- ≡ *Borzicactus huagalensis* Donald & A.B.Lau in Natl. Cact. Succ. J. 25: 33. 1970 syn. sec. Hunt (2016)
- Matucana intertexta* F.Ritter in Taxon 12: 125. 1963. Sec. Hunt (2016)**
- ≡ *Submatucana intertexta* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Tropicos ≡ *Borzicactus intertextus* (F.Ritter) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Hunt (2016) ≡ *Matucana intertexta* var. *intertexta*
- = *Matucana celendinensis* F.Ritter in Succulenta (Netherlands) 45(8): 118. 1966 syn. sec. Hunt (2016) ≡ *Borzicactus intertextus* var. *celendinensis* (F.Ritter) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Kew WCVP (2019) ≡ *Matucana intertexta* var. *celendinensis* (F.Ritter) Bregmann in Succulenta (Netherlands) 67(5): 100–102, f. 1. 1988 syn. sec. Kew WCVP (2019)
- Matucana klopfensteinii* Cieza & Pino in Quepo 29: 7. 2014. Sec. Kew WCVP (2019)**
- Matucana krahni* (Donald) Bregmann in Kakteen And. Sukk. 37: 253. 1986. Sec. Hunt (2016)**
- ≡ *Borzicactus krahni* Donald in Cact. Succ. J. (Los Angeles) 51(2): 52. 1979 syn. sec. Hunt (2016)
- = *Matucana calliantha* F.Ritter, Kakteen Südamerika 4: 1490. 1981 syn. sec. Hunt (2016)
- = *Matucana calliantha* var. *prolifera* F.Ritter, Kakteen Südamerika 4: 1491. 1981 syn. sec. Kew WCVP (2019)
- Matucana madisoniorum* (Hutchison) G.D.Rowley in Repert. Pl. Succ. 22: 10. 1973. Sec. Hunt (2016)**
- ≡ *Borzicactus madisoniorum* Hutchison in Cact. Succ. J. (Los Angeles) 35: 167. 1963 syn. sec. Hunt (2016) ≡ *Submatucana madisoniorum* (Hutchison) Backeb., Kakteenlex.: 412. 1966 syn. sec. Hunt (2016) ≡ *Eomatucana madisoniorum* (Hutchison) F.Ritter, Kakteen Südamerika 4: 1487. 1981 syn. sec. Tropicos ≡ *Anhaloniopsis madisoniorum* (Hutchison) Mottram in in Cactician 5: 11. 2014 syn. sec. Hunt (2016) ≡ *Loxanthocereus madisoniorum* (Hutchison) Buxb. syn. sec. Hunt (2016) – *Loxanthocereus madisoniorum* (Hutchison) Buxb. in Krainz, Kakteen 57: CV c. 1974, nom. inval. syn. sec. Hunt (2016)
- Matucana oreodoxa* (F.Ritter) Slaba in Kaktusy (Brno) 22(6): 130. 1986. Sec. Hunt (2016)**
- ≡ *Eomatucana oreodoxa* F.Ritter in Kakteen And. Sukk. 16: 230. 1965 syn. sec. Hunt (2016) ≡ *Borzicactus oreodoxus* (F.Ritter) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Hunt (2016)
- Matucana oreodoxa* subsp. *oreodoxa*. Sec. Hunt (2016)**
- Matucana oreodoxa* subsp. *roseiflora* G.J.Charles in Quepo 24: 64. 2010. Sec. Hunt (2016)**
- Matucana paucicostata* F.Ritter in Taxon 12: 124. 1963. Sec. Hunt (2016)**
- ≡ *Submatucana paucicostata* (F.Ritter) Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Tropicos ≡ *Borzicactus paucicostatus* (F.Ritter) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Hunt (2016)
- = *Borzicactus paucicostatus* f. *robustispinus* Donald & A.B.Lau in Natl. Cact. Succ. J. 26: 71. 1971 syn. sec. Kew WCVP (2019)

***Matucana pujupatii* (Donald & A.B.Lau) Bregmann in Willdenowia 17: 179. 1988.** Sec. Hunt (2016)

≡ *Borzicactus madisoniorum* var. *pujupatii* Donald & A.B.Lau in Natl. Cact. Succ. J. 26: 71. 1971 syn. sec. Hunt (2016) ≡ *Matucana madisoniorum* var. *pujupatii* (Donald & A.B.Lau) G.D.Rowley in Repert. Pl. Succ. 22: 10. 1971 syn. sec. Tropicos

***Matucana rebutiiflora* G.J.Charles in Bradleya 31: 4. 2013.** Sec. Hunt (2016)

≡ *Matucana oreodoxa* subsp. *rebutiiflora* (G.J.Charles) Corman in Succulentopi@ 7: 26. 2013 syn. sec. Kew WCVP (2019)

***Matucana ritteri* Buining in Succulenta (Netherlands) 1959: 2. 1959.** Sec. Hunt (2016)

≡ *Submatucana ritteri* (Buining) Backeb., Cactaceae 6: 3702. 1962 syn. sec. Tropicos ≡ *Borzicactus ritteri* (Buining) Donald in Natl. Cact. Succ. J. 26(1): 10. 1971 syn. sec. Hunt (2016)

***Matucana tuberculata* (Donald) Bregman, Meerst., Melis & A.B.Pullen in Succulenta (Netherlands) 66(9): 175. 1987.** Sec. Hunt (2016)

≡ *Borzicactus tuberculatus* Donald in Cact. Succ. J. (Los Angeles) 51(2): 55. 1979 syn. sec. Hunt (2016)

= *Matucana tuberculosa* F.Ritter, Kakteen Südamerika 4: 1505. 1981 syn. sec. Hunt (2016)

***Matucana weberbaueri* (Vaupel) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1939: 42. 1939.** Sec. Hunt (2016)

≡ *Echinocactus weberbaueri* Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 26. 1913 syn. sec. Hunt (2016) ≡ *Borzicactus weberbaueri* (Vaupel) Donald in Natl. Cact. Succ. J. 26: 10. 1971 syn. sec. Hunt (2016)

= *Borzicactus weberbaueri* var. *flammeus* Donald in Ashingtonia 1: 100. 1974 syn. sec. Kew WCVP (2019) ≡ *Matucana weberbaueri* f. *flammea* (Donald) Bregman, Meerst., Melis & A.B.Pullen in Succulenta (Netherlands) 66(9): 143. 1987 syn. sec. Kew WCVP (2019) ≡ *Matucana weberbaueri* var. *flammea* (Donald) Slaba in Kaktusy (Brno) 39: 7. 2002 syn. sec. Kew WCVP (2019)

***Melocactus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 417. 1827, nom. cons.** Sec. Hunt (2006)

Type: *Cactus melocactus* L.

Notes. – **Key literature:** Monograph by Taylor (1991); floristic treatment by Taylor & Zappi (2004; Brazil); phylogenomic data by Majure & al. (unpubl. data) and a regional treatment by Rigerszki & al. (2007). [Majure (2021)]

***Melocactus acunae* León in Mem. Soc. Cub. Hist. Nat. Felipe Poey 8: 205. 1934.** Sec. Rigerszki & al. (2007)

***Melocactus* ×*albicephalus* Buining & Brederoo in Krainz, Kakteen 52: CVId. 1973**

≡ *Melocactus albicephalus* Buining & Brederoo in Krainz, Kakteen 52: CVId. 1973

***Melocactus andinus* R.Gruber ex N.P.Taylor in Bradleya 9: 63–64. 1991.** Sec. Hunt (2006)

≡ *Melocactus mazelianus* subsp. *andinus* (R.Gruber ex N.P.Taylor) Guiggi in Cactology 2: 7. 2010 syn. sec. Kew WCVP (2019)

***Melocactus andinus* subsp. *andinus*.** Sec. Hunt (2006)

***Melocactus andinus* subsp. *hernandezii* (Fern.Alonso & Xhonneux) N.P.Taylor in Cactaceae Syst. Init. 16: 14. 2003.** Sec. Hunt (2006)

≡ *Melocactus hernandezii* Fern.Alonso & Xhonneux in Revista Acad. Colomb. Ci. Exact. 26(100): 359–361, f. 4. 2002 syn. sec. Hunt (2006)

***Melocactus azureus* Buining & Brederoo in Kakteen And. Sukk. 22: 101. 1971.** Sec. Taylor & Zappi (2004)

≡ *Melocactus azureus* subsp. *azureus* syn. sec. Taylor & Zappi (2004)

= *Melocactus krainzianus* Buining & Brederoo in Krainz, Kakteen 62: CVId. 1975 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus azureus* var. *krainzianus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 94. 1988 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus azureus* subsp. *krainzianus* (Buining & Brederoo) Guiggi in Cactology 5 (Suppl. 8): 2. 2020 syn. sec. Korotkova (2021)

***Melocactus bahiensis* (Britton & Rose) Luetzelb., Estud. Bot. Nordéste 3: 11. 1923.** Sec. Taylor & Zappi (2004)

≡ *Cactus bahiensis* Britton & Rose, Cactaceae 3: 234–235. 1922 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* subsp. *bahiensis* (Britton & Rose) Rizzini, Melocactus Bras.: 52–53. 1982 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* var. *bahiensis* (Britton & Rose) Rizzini, Melocactus Bras.: 52–53. 1982 syn. sec. Taylor & Zappi (2004)

= *Melocactus brederooianus* Buining in Succulenta (Netherlands) 51: 28. 1972 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus inconcinus* var. *brederooianus* (Buining) F.Ritter, Kakteen Südamerika 1: 137. 1979 syn. sec. Taylor & Zappi (2004)

– *Melocactus bohiensis* Britton syn. sec. TPL (2013) [is misspelling for *Melocactus bahiensis* (Britton & Rose) Luetzelb.]

***Melocactus bahiensis* subsp. *amethystinus* (Buining & Brederoo) N.P.Taylor in Bradleya 9: 30. 1991.** Sec. Taylor & Zappi (2004)

≡ *Melocactus amethystinus* Buining & Brederoo in Krainz, Kakteen 50-51: CVId. 1972 syn. sec. Taylor & Zappi (2004) ≡

Melocactus bahiensis f. *amethystinus* (Buining & Brederoo) N.P.Taylor in Bradleya 9: 30. 1991 syn. sec. Kew WCVP (2019)

= *Melocactus griseoloviridis* Buining & Brederoo in Kakteen And. Sukk. 25: 98. 1974 syn. sec. Taylor & Zappi (2004) ≡

Melocactus griseoloviridis Buining & Brederoo in Kakteen And. Sukk. 25: 98. 1974

= *Melocactus lenselinkianus* Buining & Brederoo in Succulenta (Netherlands) 53: 68. 1974 syn. sec. Taylor & Zappi (2004)

= *Melocactus ammotrophus* Buining, Brederoo & C.A.L.Bercht in Succulenta (Netherlands) 63: 33. 1984 syn. sec. Taylor & Zappi (2004)

= *Melocactus glauxianus* Brederoo & C.A.L.Bercht in Succulenta (Netherlands) 63: 55. 1984 syn. sec. Taylor & Zappi (2004)

***Melocactus bahiensis* subsp. *bahiensis*.** Sec. Taylor & Zappi (2004)

- Melocactus bahiensis* f. *acispinosus* (Buining & Brederoo) N.P.Taylor in Bradleya 9: 28. 1991.** Sec. Taylor & Zappi (2004)
 ≡ *Melocactus acispinosus* Buining & Brederoo in Krainz, Kakteen 62: CVId. 1975 syn. sec. Taylor & Zappi (2004)
- Melocactus bahiensis* f. *bahiensis*.** Sec. Taylor & Zappi (2004)
- Melocactus bahiensis* f. *inconcinus* (Buining & Brederoo) N.P.Taylor in Bradleya 9: 30. 1991.** Sec. Taylor & Zappi (2004)
 ≡ *Melocactus inconcinus* Buining & Brederoo in Kakteen And. Sukk. 26: 193. 1975 syn. sec. Taylor & Zappi (2004)
- Melocactus bellavistensis* Rauh & Backeb., Descr. Cact. Nov. 1: 36. 1957 ["1956"].** Sec. Hunt (2006)
 = *Melocactus bellavistensis* f. *minor* Rauh & Backeb., Descr. Cact. Nov. 1: 36. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- Melocactus bellavistensis* subsp. *bellavistensis*.** Sec. Hunt (2006)
- Melocactus bellavistensis* subsp. *onychacanthus* (F.Ritter) N.P.Taylor in Bradleya 9: 66. 1991.** Sec. Hunt (2006)
 ≡ *Melocactus onychacanthus* F.Ritter in Succulenta (Netherlands) 46: 40. 1967 syn. sec. Hunt (2006)
 = *Melocactus onychacanthus* var. *albescens* F.Ritter, Kakteen Südamerika 4: 1308. 1981 syn. sec. Kew WCVP (2019) ≡
Melocactus onychacanthus subsp. *albescens* (F.Ritter) Guiggi in Cactology 3: 8. 2012 syn. sec. Kew WCVP (2019)
 = *Melocactus onychacanthus* var. *conicus* F.Ritter, Kakteen Südamerika 4: 1308, f. 1173. 1981 syn. sec. Kew WCVP (2019)
- Melocactus* ×*bozsi*gianus Antesperger in Kakteen Orch. Rundschau 14(2–3): 17–23. 1989.** Sec. Hunt (2006)
- Melocactus braunii* Esteves in Brit. Cact. Succ. J. 21(3): 140–142, 137–139. 2003.** Sec. Hunt (2006)
 ≡ *Melocactus conoideus* subsp. *braunii* (Esteves) Guiggi in Succulentes 2004(4): 19. 2004 syn. sec. Kew WCVP (2019)
- Melocactus broadwayi* (Britton & Rose) A.Berger, Entwicklungslin. Kakt.: 103. 1926.** Sec. Hunt (2006)
 ≡ *Cactus broadwayi* Britton & Rose, Cactaceae 3: 229–230, f. 231, 236. 1922 syn. sec. Hunt (2006) ≡ *Melocactus intortus* subsp.
broadwayi (Britton & Rose) Guiggi in Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147: 338. 2006 syn. sec. Kew
 WCVP (2019)
- Melocactus caroli-linnaei* N.P.Taylor in Bradleya 9: 78. 1991.** Sec. Hunt (2006)
 ≡ *Cactus melocactus* L., Sp. Pl.: 466. 1753 syn. sec. Hunt (2006) [is replaced synonym for *Melocactus caroli-linnaei* N.P.Taylor]
 – *Melocactus melocactus* (L.) H.Karst., Ill. Repet. Pharm.-Med. Bot.: 888. 1886, nom. inval. syn. sec. Tropicos
 = *Echinocactus melocactoides* Lem., Cact. Aliq. Nov.: 28. 1838 syn. sec. Britton & Rose (1922)
- Melocactus concinnus* Buining & Brederoo in Kakteen And. Sukk. 23: 7. 1972.** Sec. Taylor & Zappi (2004)
 ≡ *Melocactus pruinosus* var. *concinnus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
 = ?*Melocactus pruinosus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 228. 1934 syn. sec. Taylor & Zappi (2004)
 = *Melocactus axiniphorus* Buining & Brederoo in Succulenta (Netherlands) 55(10): 194. 1976 syn. sec. Taylor & Zappi (2004) ≡
Melocactus concinnus subsp. *axiniphorus* (Buining & Brederoo) P.J.Braun & Esteves in Schumannia 3: 188. 2002 syn. sec.
 Taylor & Zappi (2004)
 = *Melocactus robustispinus* Buining, Brederoo & Theunissen in Succulenta (Netherlands) 56: 116–119. 1977 syn. sec. Taylor &
 Zappi (2004) ≡ *Melocactus zehntneri* subsp. *robustispinus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 98. 1988 syn. sec.
 Kew WCVP (2019)
- Melocactus conoideus* Buining & Brederoo in Krainz, Kakteen 55-56: CVId. 1973.** Sec. Taylor & Zappi (2004)
- Melocactus curvispinus* Pfeiff., Enum. Diagn. Cact.: 46. 1837.** Sec. Hunt (2006)
 = *Melocactus crassicosatus* Lem., Cact. Aliq. Nov.: 13. 1838 syn. sec. Kew WCVP (2019) ≡ *Melocactus obtusipetalus* var.
crassicosatus (Lem.) Lem. ex Miq., Monogr. Melocacti: 56. 1840 syn. sec. Kew WCVP (2019)
 = *Melocactus delessertianus* Lem., Hort. Universel 1: 225–226. 1839 syn. sec. Hernández & Gómez-Hinostrosa (2011)
 = *Melocactus monvilleanus* Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 133. 1841 syn. sec.
 Kew WCVP (2019)
 = *Melocactus brongnartii* Hildm. in Monatsschr. Kakteenk. 2: 90. 1892 syn. sec. Hunt (2006)
 = *Melocactus ruestii* K.Schum. in Monatsschr. Kakteenk. 6: 116. 1896 syn. sec. Kew WCVP (2019) ≡ *Melocactus ruestii*
 K.Schum., Verz. Cact.: 26. 1896 syn. sec. Hunt (2006) ≡ *Melocactus rustii* K.Schum. in Monatsschr. Kakteenk. 6: 116. 1896
 syn. sec. Kew WCVP (2019) ≡ *Cactus ruestii* (K.Schum.) Britton & Rose, Cactaceae 3: 227. 1922 syn. sec. Hernández &
 Gómez-Hinostrosa (2011)
 = *Melocactus salvador* L.Murillo in Circular 1897 (?). 1897 syn. sec. Hunt (2006) ≡ *Cactus salvador* (L.Murillo) Britton & Rose,
 Cactaceae 3: 228. 1922 syn. sec. Kew WCVP (2019)
 = *Melocactus guatemalensis* Gürke & Eichlam in Monatsschr. Kakteenk. 18: 37. 1908 syn. sec. Kew WCVP (2019)
 = *Cactus obtusipetalus* Britton & Rose, Cactaceae 3: 232. 1922 syn. sec. Hunt (2006)
 = *Melocactus guitartii* León in Mem. Soc. Cub. Hist. Nat. Felipe Poey 8: 207. 1934 syn. sec. Kew WCVP (2019)
 = *Melocactus guitartii* León in Mem. Soc. Cub. Hist. Nat. Felipe Poey 8: 207. 1934 syn. sec. Hunt (2006)
 = *Melocactus holguinensis* Areces in Ciencias 10: 3. 1976 syn. sec. Hunt (2006)
 = *Melocactus jakusii* Mészáros, Zoltan in Acta Bot. Acad. Sci. Hung. 22: 134, f. 6. 1976 syn. sec. Hunt (2006)
 = *Melocactus ruestii* subsp. *centalapensis* Elizondo in Cact. Suc. Mex. 31: 54. 1986 syn. sec. Kew WCVP (2019)
 = *Melocactus curvispinus* subsp. *cucutensis* Xhonneux & Fern.Alonso in Revista Acad. Colomb. Ci. Exact. 26: 356. 2002 syn.
 sec. Kew WCVP (2019)
- Melocactus curvispinus* subsp. *caesius* (H.L.Wendl.) N.P.Taylor in Bradleya 9: 75. 1991.** Sec. Hunt (2006)
 ≡ *Melocactus caesius* H.L.Wendl., Monogr. Melocacti: 104. 1840 syn. sec. Hunt (2006) ≡ *Cactus caesius* (H.L.Wendl.) Britton
 & Rose in Bull. Dept. Agric. Trinidad & Tobago 19: 86. 1921 syn. sec. Hunt (2006) ≡ *Melocactus curvispinus* f. *caesius*
 (H.L.Wendl.) N.P.Taylor in Bradleya 9: 75. 1991 syn. sec. Korotkova (2021)

- = *Cactus amoenus* Hoffmanns. in Preiss. Verz. ed. 7: 22. 1833 syn. sec. IPNI: 21 feb 2021 ≡ *Melocactus amoenus* Hoffmanns., Verz. Pfl.-Kult., ed. 7: 22. 1833 syn. sec. Tropicos: 21 feb 2021 ≡ *Melocactus amoenus* Hoffmanns. ex Pfeiff., Enum. Diagn. Cact.: 43. 1837 syn. sec. Hunt (2006)
- = *Melocactus griseus* H.L.Wendl. ex Miq., Monogr. Melocacti: 105. 1840 syn. sec. Kew WCVP (2019) ≡ *Melocactus caesius* var. *griseus* (H.L.Wendl. ex Miq.) C.F.Först., Handb. Cacteenk.: 263. 1846 syn. sec. Tropicos
- = *Melocactus cephalenoplus* Lem., Hort. Universel 2: 128. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus cephalenoplus* Lem. ex C.F.Först., Handb. Cacteenk.: 279. 1846 syn. sec. Korotkova (2021)
- = *Melocactus humilis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 459. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus lobelii* Valck.Sur. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk. 5: 7. 1896 syn. sec. Hunt (2006) ≡ *Melocactus curvispinus* f. *lobelii* (Valck.Sur.) N.P.Taylor in Bradleya 9: 76. 1991 syn. sec. Hunt (2006) ≡ *Melocactus curvispinus* subsp. *lobelii* (Valck.Sur.) Fern.Alonso & Xhonneux in Revista Acad. Colomb. Ci. Exact. 26: 356. 2002 syn. sec. Korotkova (2021) ≡ *Melocactus caesius* subsp. *lobelii* (Valck.Sur.) Guiggi in Cactology 2: 5. 2010 syn. sec. Korotkova (2021)
- = *Melocactus curvispinus* subsp. *saravianus* Fern.Alonso & Xhonneux in Revista Acad. Colomb. Ci. Exact. 26: 357. 2002 syn. sec. Kew WCVP (2019)
- Melocactus curvispinus* subsp. *curvispinus*.** Sec. Hunt (2006)
- = *Melocactus obtusipetalus* Lem., Cact. Aliq. Nov.: 11. 1838 syn. sec. Hunt (2006) ≡ *Melocactus curvispinus* subsp. *obtusipetalus* (Lem.) Xhonneux & Fern.Alonso in Revista Acad. Colomb. Ci. Exact. 26: 357. 2002 syn. sec. Kew WCVP (2019)
- = *Cactus maxonii* Rose in Smithsonian Misc. Collect. 50: 63. 1907 syn. sec. Hunt (2006) ≡ *Melocactus maxonii* (Gürke) Gürke in Monatsschr. Kakteenk. 18: 93. 1908 syn. sec. Hunt (2006) ≡ *Melocactus ruestii* subsp. *maxonii* (Rose) Elizondo in Cact. Suc. Mex. 31: 53. 1986 syn. sec. Hunt (2006)
- = *Cactus oaxacensis* Britton & Rose, Cactaceae 4: 289. 1923 syn. sec. Hunt (2006) ≡ *Melocactus oaxacensis* (Britton & Rose) Backeb., Cactaceae 4: 2587. 1960 syn. sec. Hunt (2006) ≡ *Melocactus ruestii* subsp. *oaxacensis* (Britton & Rose) Elizondo in Cact. Suc. Mex. 31: 52. 1986 syn. sec. Hunt (2006)
- = *Melocactus loboguerreroi* Cárdenas in Cact. Suc. Mex. 12: 58. 1967 syn. sec. Hunt (2006) ≡ *Melocactus curvispinus* subsp. *loboguerreroi* (Cárdenas) Fern.Alonso & Xhonneux in Revista Acad. Colomb. Ci. Exact. 26: 356. 2002 syn. sec. Kew WCVP (2019)
- = *Melocactus maxonii* var. *sanctae-rosae* L.D.Gómez in Brenesia 10-11: 128. 1977 syn. sec. Hunt (2006) ≡ *Melocactus ruestii* subsp. *sanctae-rosae* (L.D.Gómez) Elizondo in Cact. Suc. Mex. 31: 54. 1986 syn. sec. Hunt (2006)
- = *Melocactus ruestii* subsp. *cintalapensis* Elizondo in Cact. Suc. Mex. 31: 54. 1986 syn. sec. Hunt (2006)
- Melocactus curvispinus* subsp. *dawsonii* (Bravo) N.P.Taylor in Bradleya 9: 77. 1991.** Sec. Hunt (2006)
- ≡ *Melocactus dawsonii* Bravo in Cact. Suc. Mex. 10: 28. 1965 syn. sec. Hunt (2006)
- Melocactus curvispinus* subsp. *koolwijkianus* (Suringar) G.Thomson in Bradleya 20: 38. 2002.** Sec. Hunt (2006)
- ≡ *Melocactus koolwijkianus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 184. 1886 ["1885"] syn. sec. Hunt (2006)
- = *Melocactus koolwijkianus* f. *plurispina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 439. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus koolwijkianus* f. *quadrispina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 438. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus koolwijkianus* var. *adustus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 438. 1889 syn. sec. Kew WCVP (2019)
- Melocactus deinacanthus* Buining & Brederoo in Kakteen And. Sukk. 24: 217. 1973.** Sec. Taylor & Zappi (2004)
- Melocactus ernestii* Vaupel in Monatsschr. Kakteenk. 30: 8. 1920.** Sec. Taylor & Zappi (2004)
- ≡ *Melocactus oreas* subsp. *ernestii* (Vaupel) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
- = *Melocactus erythracanthus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 45: 223. 1973 syn. sec. Taylor & Zappi (2004)
- ≡ *Melocactus oreas* f. *erythracanthus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
- Melocactus ernestii* subsp. *ernestii*.** Sec. Taylor & Zappi (2004)
- = *Melocactus azulensis* Buining, Brederoo & Theunissen in Kakteen And. Sukk. 28: 154. 1977 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* f. *azulensis* (Buining, Brederoo & Theunissen) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
- = *Melocactus longispinus* Buining, Brederoo & Theunissen in Succulenta (Netherlands) 56(6): 137. 1977 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* var. *longispinus* (Buining, Brederoo & Theunissen) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
- = *Melocactus interpositus* F.Ritter, Kakteen Südamerika 1: 140. 1979 syn. sec. Taylor & Zappi (2004)
- = *Melocactus nitidus* F.Ritter, Kakteen Südamerika 1: 139. 1979 syn. sec. Taylor & Zappi (2004)
- Melocactus ernestii* subsp. *longicarpus* (Buining & Brederoo) N.P.Taylor in Bradleya 9: 26. 1991.** Sec. Taylor & Zappi (2004)
- ≡ *Melocactus longicarpus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 46: 191. 1974 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus deinacanthus* subsp. *longicarpus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 94. 1988 syn. sec. Taylor & Zappi (2004)

- = *Melocactus florschuetzianus* Buining & Brederoo in *Ashingtonia* 2: 25. 1975 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus deinacanthus* subsp. *florschuetzianus* (Buining & Brederoo) P.J.Braun in *Bradleya* 6: 94. 1988 syn. sec. Taylor & Zappi (2004)
- = *Melocactus mulequensis* Buining & Brederoo in *Succulenta* (Netherlands) 55: 46. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus deinacanthus* f. *mulequensis* (Buining & Brederoo) P.J.Braun in *Bradleya* 6: 94. 1988 syn. sec. Taylor & Zappi (2004)
- = *Melocactus montanus* F.Ritter, *Kakteen Südamerika* 1: 141. 1979 syn. sec. Taylor & Zappi (2004)
- = *Melocactus neomontanus* Van Heek & Hovens in *Succulenta* (Netherlands) 63: 78. 1984 syn. sec. Taylor & Zappi (2004)
- Melocactus estevesii* P.J.Braun in *Kakteen And. Sukk.* 41(1): 9. 1989 ["1990"].** Sec. Hunt (2006)
- Melocactus ferreophilus* Buining & Brederoo in *Krainz, Kakteen* 52: CVID. 1973.** Sec. Taylor & Zappi (2004)
- ≡ *Melocactus azureus* subsp. *ferreophilus* (Buining & Brederoo) N.P.Taylor in *Bradleya* 9: 40. 1991 syn. sec. Taylor & Zappi (2004)
- Melocactus glaucescens* Buining & Brederoo in *Cact. Succ. J. (Los Angeles)* 44: 159. 1972.** Sec. Taylor & Zappi (2004)
- *Melocactus glaucencens* Buining & Brederoo in *Cact. Succ. J. (Los Angeles)* 44: 158. 1972 syn. sec. TPL (2013) [is misspelling for *Melocactus glaucescens* Buining & Brederoo]
- Melocactus harlowii* (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 22: 66. 1912.** Sec. Hunt (2006)
- ≡ *Cactus harlowii* Britton & Rose in *Torreya* 12: 16. 1912 syn. sec. Hunt (2006)
- = *Melocactus acunae* subsp. *lagunaensis* Z.Mészáros in *Acta Biol. Acad. Sci. Hung.* 22: 138, f. 14. 1976 syn. sec. Kew WCVP (2019)
- = *Melocactus borhidii* Z.Mészáros in *Acta Biol. Acad. Sci. Hung.* 22: 135. 1976 syn. sec. Hunt (2006) ≡ *Melocactus harlowii* subsp. *borhidii* (Z.Mészáros) Kunte in *Kaktusy* (Brno) 49(Special 1): 27. 2013 syn. sec. Kew WCVP (2019)
- = *Melocactus evae* Z.Mészáros in *Acta Biol. Acad. Sci. Hung.* 22(1–2): 135. 1976 syn. sec. Hunt (2006) ≡ *Melocactus harlowii* subsp. *evae* (Z.Mészáros) Guiggi in *Cactology* 3 (Suppl. IV): 3. 2013 syn. sec. Kew WCVP (2019)
- *Melocactus acunae* var. *flavispinus* Z.Mészáros in *Acta Bot. Acad. Sci. Hung.* 22: 138. 1977 ["1976"], nom. inval. syn. sec. Kew WCVP (2019)
- Melocactus ×horridus* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 12: 227. 1934.** Sec. Hunt (2006)
- Melocactus intortus* (Mill.) Urb., *Repert. Spec. Nov. Regni Veg.* 16: 35. 1919.** Sec. Hunt (2006)
- ≡ *Cactus intortus* Mill., *Gard. Dict.*, ed. 8: *Cereus* no. 2. 1768 syn. sec. Hunt (2006) ≡ *Echinocactus intortus* (Mill.) DC., *Prodr.* 3: 462. 1828 syn. sec. Kew WCVP (2019) ≡ *Melocactus intortus* subsp. *intortus* syn. sec. Hunt (2006)
- = *Cactus coronatus* Lam., *Encycl.* 1(2): 537. 1785 syn. sec. Hunt (2006) ≡ *Melocactus coronatus* (Lam.) Backeb., *Cactaceae* 4: 2569. 1960 syn. sec. Hunt (2006)
- = *Cactus melocactus* var. *communis* W.T.Aiton, *Hort. Kew.* 2: 150. 1789 syn. sec. Hunt (2006) ≡ *Melocactus communis* (W.T.Aiton) Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 417, t. 11. 1827 syn. sec. Hunt (2006) ≡ *Cactus communis* (W.T.Aiton) Steud., *Nomencl. Bot.*, ed. 2, 1: 245. 1840 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *oblongus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 418. 1827 syn. sec. Kew WCVP (2019)
- = *Melocactus meonacanthus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: t. 15. 1827 syn. sec. Kew WCVP (2019)
- = *Cactus lamarkii* Colla, *Hortus Ripul. App.* 3: 15. 1828 syn. sec. Hunt (2006)
- = *Echinocactus intortus* var. *purpureus* DC., *Prodr.* 3: 462. 1828 syn. sec. Kew WCVP (2019)
- = *Echinocactus rufispinus* Bertol. in *Ann. Storia Nat.* 3: 223. 1830 syn. sec. Kew WCVP (2019)
- = *Melocactus leucaster* Hoffmanns. in *Preiss. Verz.* ed. 7: 22. 1833 syn. sec. Kew WCVP (2019)
- = *Melocactus lamarkii* G.Don, *Gen. Hist.* 3: 160. 1834 syn. sec. Kew WCVP (2019)
- = *Echinocactus xanthacanthus* Miq. in *Linnaea* 11: 155. 1837 syn. sec. Kew WCVP (2019) ≡ *Melocactus xanthacanthus* Miq. in *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 18(Suppl. 1): 169. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus atrosanguineus* Pfeiff., *Enum. Diagn. Cact.*: 44. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *gregelii* Pfeiff., *Enum. Diagn. Cact.*: 43. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *havannensis* Pfeiff., *Enum. Diagn. Cact.*: 43. 1837 syn. sec. Hunt (2006) ≡ *Melocactus havannensis* (Pfeiff.) Miq., *Monogr. Melocacti*: 64. 1840 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *lanifer* Pfeiff., *Enum. Diagn. Cact.*: 43. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *viridis* Pfeiff., *Enum. Diagn. Cact.*: 42. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus gregelii* J.Forbes, *Hort. Tour Germ.*: 151. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus macroacanthus* Miq. in *Linnaea* 11: 157. 1837 syn. sec. Britton & Rose (1922)
- = *Melocactus rubens* Pfeiff., *Enum. Diagn. Cact.*: 43. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus brongniartii* Lem., *Cact. Aliq. Nov.*: 12. 1838 syn. sec. Kew WCVP (2019)
- = *Melocactus miquelii* Lehm. in *Index Seminum* (HBG, Hamburgensis). 1838 syn. sec. Kew WCVP (2019) ≡ *Cactus miquelii* (Lehm.) Borg, *Cacti*, ed. 1: 279. 1937 syn. sec. Kew WCVP (2019)
- = *Melocactus dichroacanthus* Miq. in *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 18(Suppl. 1): 147. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus macracanthoides* Miq. in *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 18(Suppl. 1): 173. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus rubens* Miq. in *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 18(Suppl. 1): 145. 1841 syn. sec. Kew WCVP (2019)

- = *Melocactus wendlandii* Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 146. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus schlumbergerianus* Lem. in Ill. Hort. 8(Misc.): 32. 1861 syn. sec. Kew WCVP (2019)
- = *Melocactus portoricensis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 9: 408. 1892 syn. sec. Britton & Rose (1922)
- = *Melocactus bradleyi* Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 23. 1896 syn. sec. Britton & Rose (1922)
- = *Melocactus croceus* Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 40. 1896 syn. sec. Britton & Rose (1922)
- = *Melocactus eustachianus* Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 37. 1896 syn. sec. Britton & Rose (1922)
- = *Melocactus eustachius* f. *vetustior* Valck.Sur. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 37. 1896 syn. sec. Kew WCVP (2019)
- = *Melocactus hookeri* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 31. 1896 syn. sec. Britton & Rose (1922)
- = *Melocactus linkii* Valck.Sur. in Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk., Sect. 2, 5(3): 39. 1896 syn. sec. Britton & Rose (1922)
- = *Cactus antonii* Britton in Cact. Succ. J. (Los Angeles) 4: 355. 1933 syn. sec. Kew WCVP (2019) ≡ *Melocactus antonii* (Britton) F.M.Knuth, Kaktus-ABC: 342. 1935 syn. sec. Kew WCVP (2019) ≡ *Melocactus intortus* var. *antonii* (Britton) Backeb., Cactaceae 4: 2575. 1960 syn. sec. Kew WCVP (2019)
- = *Cactus intortus* f. *desiradensis* Stehlé, Fl. Agron. Antilles Franç. 10: 124. 1958 syn. sec. Kew WCVP (2019)
- = *Cactus intortus* f. *quentinianus* Stehlé, Fl. Agron. Antilles Franç. 10: 124. 1958 syn. sec. Kew WCVP (2019)
- Melocactus lanssensianus* P.J.Braun in Succulenta (Netherlands) 65: 26. 1986. Sec. Taylor & Zappi (2004)**
- Melocactus lemairei* (Monv. ex Lem.) Miq. ex Lem., Hort. Universel 1: 286–289, t. 35. 1840. Sec. Hunt (2006)**
- ≡ *Echinocactus lemairei* Monv. ex Lem., Cact. Aliq. Nov.: 17. 1838 syn. sec. Hunt (2006) ≡ *Cactus lemairei* (Monv. ex Lem.) Britton & Rose, Cactaceae 3: 226. 1922 syn. sec. Hunt (2006)
- = *Melocactus communis* var. *macrocephalus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 418. 1827 syn. sec. Kew WCVP (2019)
- = *Melocactus communis* var. *conicus* Pfeiff., Enum. Diagn. Cact.: 43. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus crassispinus* Salm-Dyck in Allg. Gartenzeitung 8: 10. 1840 syn. sec. Hunt (2006)
- = *Melocactus conicus* Lawr. in Gard. Mag. (London) 17: 319. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus macrocephalus* Lawr. in Gard. Mag. (London) 17: 319. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus pycnananthus* Cels ex Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18 (Suppl. 1): 200 b. 1841 syn. sec. Kew WCVP (2019)
- = *Melocactus hispaniolicus* Vaupel in Monatsschr. Kakteenk. 29: 121. 1919 syn. sec. Hunt (2006)
- Melocactus levitestatus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 45: 271. 1973. Sec. Taylor & Zappi (2004)**
- = *Melocactus diersianus* Buining & Brederoo in Kakteen And. Sukk. 26: 169. 1975 syn. sec. Taylor & Zappi (2004)
- = *Melocactus securituberculatus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 48: 38. 1976 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus levitestatus* f. *securituberculatus* (Buining & Brederoo) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"] syn. sec. Kew WCVP (2019)
- = *Melocactus warasii* E.Pereira & Buenecker in Bradea 2(30): 213. 1977 syn. sec. Taylor & Zappi (2004)
- = *Melocactus rubrispinus* F.Ritter, Kakteen Südamerika 1: 135. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus diersianus* f. *rubrispinus* (F.Ritter) P.J.Braun in Bradleya 6: 94. 1988 syn. sec. Kew WCVP (2019)
- = *Melocactus uebelmannii* P.J.Braun in Kakteen And. Sukk. 36: 232. 1985 syn. sec. Taylor & Zappi (2004)
- Melocactus macracanthos* (Salm-Dyck) Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 418–419. 1827. Sec. Hunt (2016)**
- ≡ *Cactus macracanthos* Salm-Dyck, Observ. Bot. Hort. Dyck. 1: 3. 1820 syn. sec. Hunt (2006) ≡ *Cactus macracanthus* Salm-Dyck, Observ. Bot. Hort. Dyck. 1: 1. 1820 syn. sec. Hunt (2006)
- = *Cactus parvispinus* Haw., Suppl. Pl. Succ.: 73. 1819 syn. sec. Hunt (2016) ≡ *Echinocactus parvispinus* (Haw.) DC., Prodr. 3: 463. 1828 syn. sec. Britton & Rose (1922) ≡ *Melocactus parvispinus* Haw. in Candolle, Prodr. 3: 463. 1828 syn. sec. Britton & Rose (1922) – *Melocactus parvispinus* Salm-Dyck ex DC., Prodr. 3: 463. 1828, nom. inval.
- = *Cactus pyramidalis* Salm-Dyck, Observ. Bot. Hort. Dyck. 1: 4. 1820 syn. sec. Britton & Rose (1922)
- = *Echinocactus salmianus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 423. 1827 syn. sec. Britton & Rose (1922) ≡ *Melocactus salmianus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 423. 1827 syn. sec. Britton & Rose (1922)
- = *Melocactus pyramidalis* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 419. 1827 syn. sec. Kew WCVP (2019)
- = *Echinocactus armatus* Salm-Dyck, Hort. Dyck.: 341. 1834 syn. sec. Kew WCVP (2019)
- = *Echinocactus fischeri* Pfeiff., Enum. Diagn. Cact.: 59. 1837 syn. sec. Kew WCVP (2019)
- = *Echinocactus spina-christi* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 59. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus lehmannii* Miq. in Linnaea 11: 642. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus spatangus* Pfeiff., Enum. Diagn. Cact.: 45. 1837 syn. sec. Kew WCVP (2019)
- = *Melocactus zuccarinii* Miq. in Linnaea 11: 645. 1837 syn. sec. Kew WCVP (2019) ≡ *Cactus zuccarinii* (Miq.) Borg, Cacti, ed. 1: 279. 1937 syn. sec. Kew WCVP (2019)

- = *Melocactus rufispinus* Bertol. in Novi Comment. Acad. Sci. Inst. Bononiensis 3: 322. 1839 syn. sec. Kew WCVP (2019)
- = *Melocactus microcephalus* Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 157. 1841 syn. sec. Kew WCVP (2019) ≡ *Cactus microcephalus* (Miq.) Borg, Cacti, ed. 2: 340. 1951 syn. sec. Kew WCVP (2019)
- = *Melocactus ferox* Pfeiff. ex C.F.Först., Handb. Cacteenk.: 519. 1846 syn. sec. Kew WCVP (2019)
- = *Melocactus angusticostatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 188. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus approximatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 189. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus cornutus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 192. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus evertszianus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 190. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus ferox* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 190. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus hexacanthus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 185. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus intermedius* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 192. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus macracanthos* f. *elegans* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 191. 1886 ["1885"] syn. sec. Kew WCVP (2019)
- = *Melocactus parvispinus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 185. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus patens* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 190. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus pusillus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 192. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus reversus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 187. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus rubellus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 184. 1886 ["1885"] syn. sec. Hunt (2006)
- = *Melocactus spatanginus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 193. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus spatanginus* f. *tenuispinus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 194. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus trichacanthus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 186. 1886 ["1885"] syn. sec. Britton & Rose (1922)
- = *Melocactus albispinus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 446. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus albispinus* f. *quadripina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 446. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus arcuatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 450. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus argenteus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 439. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus argenteus* var. *tenuispina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 439. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus armatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 458. 1889 syn. sec. Hunt (2006)
- = *Melocactus baarsianus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 448. 1889 syn. sec. Britton & Rose (1922) – *Melocactus baarscanus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 448. 1889 syn. sec. TPL (2013) [is misspelling for *Melocactus baarsianus* Suringar]
- = *Melocactus capillaris* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 442. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus compactus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 444. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus contortus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 445. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus dilatatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 454. 1889 syn. sec. Hunt (2006)
- = *Melocactus eburneus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 447. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus eburneus* f. *plurispina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 447. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus elongatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 451. 1889 syn. sec. Britton & Rose (1922)

- = *Melocactus euryacanthus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 447. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus extensus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 442. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus ferus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 446. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus flammeus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 457. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus flavispinus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 453. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus flexilis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 453. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus flexus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 441. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus incurvus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 441. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus inflatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 454. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus leucacanthus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 454. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus limis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 440. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus martialis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 443. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus microcephalus* var. *olivascens* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 461. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus nanus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 441. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus obliquus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 440. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus obliquus* f. *quadrispina* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 440. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus obovatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 453. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus ovatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 456. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus pentacanthus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 445. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus pulvinosus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 458. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus radiatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 446. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus rectiusculus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 189. 1889 syn. sec. Kew WCVP (2019)
- = *Melocactus reticulatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 453. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus roseus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 439. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus rudis* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 442. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus salmianus* var. *adauctus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 460. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus salmianus* var. *contractus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 461. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus sordidus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 451. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus stellatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 452. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus stramineus* f. *pluricostatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 448. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus trachycephalus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 455. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus trigonus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 456. 1889 syn. sec. Britton & Rose (1922)
- = *Melocactus uncinatus* Suringar in Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 6: 450. 1889 syn. sec. Britton & Rose (1922)

- = *Melocactus rotifer* Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk. 6: 188. 1897 syn. sec. Britton & Rose (1922)
- = *Melocactus aciculosus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 23. 1901 syn. sec. Kew WCVP (2019)
- = *Melocactus aciculosus* var. *adauctus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 33. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus appropinquatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 20. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus bargei* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 9. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus buyisianus* Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 38. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus firmus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 17. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus gilvispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 28. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus gilvispinus* var. *planispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 30. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus intermedius* var. *laticostatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 15. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus intermedius* var. *tenuispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 17. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus inversus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 19. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus macracanthos* var. *miacanthus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 30. 1901 syn. sec. Kew WCVP (2019)
- = *Melocactus pachycentrus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 28. 1901 syn. sec. Kew WCVP (2019)
- = *Melocactus pinguis* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 11. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus salmianus* var. *spectabilis* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 8(1): 22. 1901 syn. sec. Britton & Rose (1922)
- = *Melocactus cordatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 5. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus cylindricus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 19. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus gracilis* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 16. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus grandis* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 11. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus grandispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 12. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus intermedius* var. *rotundatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 9. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus lutescens* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 13. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus microcarpus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 3. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus pinguis* var. *areolosus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 7. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus pinguis* var. *laticostatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 19. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus pinguis* var. *planispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 15. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus pinguis* var. *tenuissimus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 20. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus pyramidalis* var. *compressus* Valck.Sur. in J.V.Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 4. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus rotifer* var. *angustior* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 14. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus rotula* var. *angusticostatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 8. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus rotula* var. *validispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 10. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus rufispinus* f. *aplanatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 35. 1910 syn. sec. Kew WCVP (2019)

- = *Melocactus rufispinus* f. *crassispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 28. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *curvispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 32. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *elongatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 30. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *laticostatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 29. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *paucispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 32. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *pluriareolatus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 31. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus rufispinus* f. *pluricostatus-prurispinus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 34. 1910 syn. sec. Kew WCVP (2019)
- = *Melocactus tenuissimus* Valck.Sur. in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 6. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus trigonaster* Suringar in J.V.Suringar in Verh. Kon. Akad. Wetensch., Afd. Natuurk., Sect. 2, 16(3): 4. 1910 syn. sec. Britton & Rose (1922)
- = *Melocactus citrispinus* Antesb. in Kakteen Orch. Rundschau 15: 15. 1990 syn. sec. Hunt (2006)
- = *Melocactus laui* Antesb. in Cact. Succ. J. (Los Angeles) 63: 241. 1991 syn. sec. Hunt (2006)
- = *Melocactus inclinatus* Antesb. in Bradleya 13: 14. 1995 syn. sec. Kew WCVP (2019)
- *Melocactus bozsingianus* Antesb. in Kakteen Orch. Rundschau 14: 17. 1989, nom. inval. syn. sec. Kew WCVP (2019)
- Melocactus matanzanus* León in Mem. Soc. Cub. Hist. Nat. Felipe Poey 8: 206. 1934. Sec. Hunt (2006)**
- ≡ *Cactus matanzanus* (León) Borg, Cacti, ed. 2: 340. 1951 syn. sec. Hunt (2006)
- = *Melocactus actinacanthus* Areces in Ciencias (Habana) 9: 3. 1976 syn. sec. Hunt (2006) ≡ *Melocactus matanzanus* subsp. *actinacanthus* (Areces) Guiggi in Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147: 337. 2006 syn. sec. Kew WCVP (2019)
- Melocactus mazelianus* Říha in Kakteen And. Sukk. 32: 214–17. 1981. Sec. Hunt (2006)**
- Melocactus nagyi* Z.Mészáros in Acta Biol. Acad. Sci. Hung. 22(1–2): 137. 1976. Sec. Rigerszki & al. (2007)**
- Melocactus neoviridescens* Guiggi in Cactology 5 (Suppl. 10): 2. 2020. Sec. IPNI**
- ≡ *Melocactus pachyacanthus* subsp. *viridis* N.P.Taylor in Bradleya 9: 40–41. 1991 syn. sec. Korotkova (2021) [is replaced synonym for *Melocactus neoviridescens* Guiggi is replaced synonym for *Melocactus pachycephalus* N.P.Taylor] ≡ *Melocactus pachycephalus* N.P.Taylor in Phytotaxa 470(3): 256. 2020, nom. illeg. syn. sec. IPNI
- = *Melocactus viridescens* Guiggi in Cactology 5 (Suppl. 8): 3. 2020, nom. illeg. syn. sec. IPNI [non *Melocactus viridescens* Nutt. ex Teschem.]
- Melocactus neryi* K.Schum. in Monatsschr. Kakteenk. 11: 168. 1901. Sec. Hunt (2006)**
- ≡ *Cactus neryi* (K.Schum.) Britton & Rose, Cactaceae 3: 236. 1922 syn. sec. Hunt (2006)
- = *Melocactus negryi* K.Schum. in Monatsschr. Kakteenk. 11: 168. 1901 syn. sec. Hunt (2006)
- = *Melocactus guaricensis* Croizat in Noved. Ci., Ser. Bot. 1: 1. 1950 syn. sec. Hunt (2006)
- = *Melocactus schulzianus* Buining & Brederoo in Succulenta (Netherlands) 53: 86. 1974 syn. sec. Hunt (2006)
- Melocactus oreas* Miq., Monogr. Melocacti: 113. 1840. Sec. Taylor & Zappi (2004)**
- ≡ *Cactus oreas* (Miq.) Britton & Rose, Cactaceae 3: 227. 1922 syn. sec. Taylor & Zappi (2004)
- = *Melocactus alex-bragae* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 80: 252. 2008 syn. sec. Kew WCVP (2019) ≡ *Melocactus alex-bragai* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 80: 252. 2008 syn. sec. Taylor & Zappi (2004)
- *Melocactus oreas* var. *submunitis* Rizzini, Melocactus Bras.: 54, f. 22. 1982, nom. inval. syn. sec. Taylor & Zappi (2004) – *Melocactus oreas* var. *submunitis* Rizzini, Melocactus Bras.: 54. 1982, nom. inval. syn. sec. Kew WCVP (2019)
- Melocactus oreas* subsp. *cremnophilus* (Buining & Brederoo) P.J.Braun in Bradleya 6: 95. 1988. Sec. Taylor & Zappi (2004)**
- ≡ *Melocactus cremnophilus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 44: 3. 1972 syn. sec. Taylor & Zappi (2004)
- Melocactus oreas* subsp. *oreas*. Sec. Taylor & Zappi (2004)**
- = *Melocactus rubrisaetosus* Buining, Brederoo & Theunissen in Succulenta (Netherlands) 56(7): 161. 1977 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* var. *rubrisaetosus* (Buining, Brederoo & Theunissen) Rizzini, Melocactus Bras.: 52–53. 1982 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus oreas* subsp. *rubrisaetosus* (Buining, Brederoo & Theunissen) P.J.Braun in Bradleya 6: 95. 1988 syn. sec. Taylor & Zappi (2004)
- Melocactus pachyacanthus* Buining & Brederoo in Kakteen And. Sukk. 27(1): 1. 1975. Sec. Taylor & Zappi (2004)**
- *Melocactus pachyanthus* Buining & Brederoo in Kakteen And. Sukk. 27: 1. 1975 syn. sec. TPL (2013) [is misspelling for *Melocactus pachyacanthus* Buining & Brederoo]
- = *Melocactus pachyacanthus* subsp. *pachyacanthus* syn. sec. Taylor & Zappi (2004)
- Melocactus paucispinus* Heimen & R.Raul in Kakteen And. Sukk. 34: 227–229. 1983. Sec. Taylor & Zappi (2004)**
- Melocactus pedernalensis* M.M.Mejía & R.G.García in Moscosoa 9: 12. 1997. Sec. Majure & al. (2020)**
- = *Melocactus intortus* subsp. *domingensis* Areces in Cact. Succ. J. (Los Angeles) 69(5): 246. 1997 syn. sec. Majure & al. (2020)

***Melocactus perezassoi* Areces in *Phytologia* 74(6): 421. 1993. Sec. Rigerszki & al. (2007)**

≡ *Melocactus harlowii* subsp. *perezassoi* (Areces) Guiggi in *Atti Soc. Ital. Sci. Nat.* 147(2): 337. 2006 syn. sec. Rigerszki & al. (2007)

***Melocactus peruvianus* Vaupel in *Bot. Jahrb. Syst.* 50(2-3, Beibl. 111): 28. 1913. Sec. Hunt (2006)**

= *Cactus townsendii* Britton & Rose, *Cactaceae* 3: 234. 1922 syn. sec. Kew WCVP (2019)

= *Melocactus townsendianus* Backeb., *Neue Kakteen*: 44. 1931 syn. sec. Kew WCVP (2019)

= *Melocactus jansenianus* Backeb. in *Blätt. Kakteenf.* 1935(2): 2. 1935 syn. sec. Hunt (2006) ≡ *Cactus jansenianus* (Backeb.) Borg, *Cacti*, ed. 1: 279. 1937 syn. sec. Hunt (2006)

= *Melocactus amstutziae* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Melocactus peruvianus* var. *amstutziae* (Rauh & Backeb.) Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 531. 1958 syn. sec. Kew WCVP (2019)

= *Melocactus fortalezensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Hunt (2006)

= *Melocactus trujillensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Melocactus trujilloensis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Melocactus trujilloensis* var. *schoenii* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. WFO 2019 ≡

Melocactus trujilloensis var. *schoenii* Rauh & Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Melocactus unguispinus* Backeb., *Descr. Cact. Nov.* 1: 36. 1957 ["1956"] syn. sec. Hunt (2006)

= *Melocactus huallancensis* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 538. 1958 syn. sec. Hunt (2006)

= *Melocactus peruvianus* var. *canetensis* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 533. 1958 syn. sec. Kew WCVP (2019)

= *Melocactus peruvianus* var. *lurinensis* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 533. 1958 syn. sec. Kew WCVP (2019)

***Melocactus praerupticola* Areces in *Cact. Succ. J. (Los Angeles)* 72(1): 27. 2000. Sec. Hunt (2016)**

≡ *Melocactus lemairii* subsp. *praerupticola* (Areces) Guiggi in *Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano* 147: 337. 2006 syn. sec. Korotkova (2021)

***Melocactus radoczii* Z. Mészáros in *Acta Biol. Acad. Sci. Hung.* 22: 136. 1976. Sec. Rigerszki & al. (2007)**

***Melocactus salvadorensis* Werderm. in *Notizbl. Bot. Gart. Berlin-Dahlem* 12: 228. 1934. Sec. Taylor & Zappi (2004)**

***Melocactus salvadorensis* subsp. *oliveirae* P.J. Braun in *Kakteen And. Sukk.* 67: 181. 2016. Sec. Korotkova (2021)**

Melocactus salvadorensis* subsp. *salvadorensis

***Melocactus schatzlii* W. Till & R. Gruber in *Kakteen And. Sukk.* 33: 68–70. 1982. Sec. Hunt (2006)**

≡ *Melocactus mazelianus* subsp. *schatzlii* (H. Till & R. Gruber) Guiggi in *Cactology* 2: 7. 2010 syn. sec. Hunt (2006)

***Melocactus schatzlii* subsp. *chicamochae* Fern. Alonso & Xhonneux in *Revista Acad. Colomb. Ci. Exact.* 26(100): 362–363, f. 6B. 2002. Sec. Hunt (2006)**

= *Melocactus andinus* subsp. *soatensis* Fern. Alonso & Xhonneux in *Revista Acad. Colomb. Ci. Exact.* 26: 355. 2002 syn. sec. Kew WCVP (2019)

= *Melocactus guanensis* Xhonneux & Fern. Alonso in *Revista Acad. Colomb. Ci. Exact.* 26: 359. 2002 syn. sec. Hunt (2006) ≡

Melocactus mazelianus f. *guanensis* (Xhonneux & Fern. Alonso) Guiggi in *Cactology* 2: 7. 2010 syn. sec. Kew WCVP (2019)

= *Melocactus pescaderensis* Xhonneux & Fern. Alonso in *Revista Acad. Colomb. Ci. Exact.* 26: 362. 2002 syn. sec. Hunt (2006)

***Melocactus schatzlii* subsp. *schatzlii*. Sec. Hunt (2006)**

***Melocactus sergipensis* N.P. Taylor & Meiado in *Bradleya* 32: 102. 2014. Sec. Hunt (2006)**

***Melocactus smithii* (Alexander) Buining ex G.D. Rowley in *Repert. Pl. Succ.* 25: 11. 1976. Sec. Hunt (2006)**

≡ *Cactus smithii* Alexander in *Lloydia* 2: 200. 1939 syn. sec. Hunt (2006)

= *Melocactus roraimensis* P.J. Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 63: 12, f. 1, 3. 1991 syn. sec. Hunt (2006)

***Melocactus stramineus* Suringar in *Verslagen Meded. Afd. Natuurk. Kon. Akad. Wetensch., ser. 3, 2: 185. 1886 ["1885"]*. Sec. Hunt (2006)**

≡ *Melocactus macracanthos* subsp. *stramineus* (Suringar) Guiggi in *Cactology* 2: 35. 2010 syn. sec. Kew WCVP (2019)

= *Melocactus barbarae* Antesberger in *Kakteen Orch. Rundschau* 13(2): 13–19. 1988 syn. sec. Hunt (2006)

***Melocactus violaceus* Pfeiff. in *Allg. Gartenzeitung* 3: 313. 1835. Sec. Taylor & Zappi (2004)**

≡ *Melocactus melocactoides* var. *violaceus* (Pfeiff.) Rizzini, *Melocactus Bras.*: 81, 83. 1982 syn. sec. Taylor & Zappi (2004)

= *Cactus melocactus* var. *depressus* Aiton, *Hort. Kew.* 2: 150. 1789 syn. sec. Kew WCVP (2019)

= *Cactus melocactoides* Hoffmanns. in *Verz. Pfl.-Kult. Nachtr.* 3: 24. 1826 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus melocactoides* (Hoffmanns.) DC., *Prodr.* 3: 461. 1828 syn. sec. Taylor & Zappi (2004)

= *Echinocactus meonacanthus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 428. 1827 syn. sec. Kew WCVP (2019)

= *Melocactus depressus* Hook. in *Bot. Mag.* 65: t. 3691. 1838 syn. sec. Taylor & Zappi (2004) ≡ *Cactus depressus* (Hook.) Borg, *Cacti*, ed. 1: 279. 1937 syn. sec. Tropicos ≡ *Melocactus melocactoides* var. *depressus* (Hook.) Rizzini, *Melocactus Bras.*: 82.

1982 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus melocactoides* f. *depressus* (Hook.) Rizzini, *Melocactus Bras.*: 82, 84.

1982 syn. sec. Taylor & Zappi (2004)

= *Melocactus goniodacanthus* Lem., *Cact. Aliq. Nov.*: 11. 1838 syn. sec. Kew WCVP (2019)

- = *Cactus meonacanthus* Lem. ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Kew WCVP (2019)
 = *Cereus meonacanthus* Link & Otto ex Steud., Nomencl. Bot., ed. 2, 1: 334. 1840 syn. sec. Kew WCVP (2019)
 = *Melocactus parthonii* Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 190. 1841 syn. sec. Taylor & Zappi (2004)
 = *Melocactus gardenerianus* Booth ex C.F.Först., Handb. Cacteenk.: 277. 1846 syn. sec. Kew WCVP (2019)
 = *Melocactus melocactoides* f. *civitatensis* Rizzini, Melocactus Bras.: 81–83. 1982 syn. sec. WFO 2019
 = *Melocactus melocactoides* f. *exsanguis* Rizzini, Melocactus Bras.: 83–84, f. 52, 54. 1982 syn. sec. WFO 2019
 = *Melocactus melocactoides* var. *itaiapuassuensis* Rizzini, Melocactus Bras.: 82, 84. 1982 syn. sec. WFO 2019
 = *Melocactus violaceus* subsp. *natalensis* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 69(2): 71. 1997 syn. sec. Taylor & Zappi (2004)
 – *Melocactus melocactoides* f. *capensis* Rizzini, Melocactus Bras.: 83. 1982, nom. inval. syn. sec. Kew WCVP (2019)
 – *Melocactus melocactoides* f. *perspinosus* Rizzini, Melocactus Bras.: 82. 1982, nom. inval. syn. sec. Kew WCVP (2019)
 – *Melocactus melocactoides* f. *sanctaritae* Rizzini, Melocactus Bras.: 83. 1982, nom. inval. syn. sec. Kew WCVP (2019)
 – *Melocactus melocactoides* var. *natalensis* Rizzini, Melocactus Bras.: 82, 84. 1982, nom. inval. syn. sec. Taylor & Zappi (2004)
***Melocactus violaceus* subsp. *margaritaceus* N.P.Taylor in Bradleya 9: 57. 1991.** Sec. Taylor & Zappi (2004)
 = *Melocactus pentacentrus* Lem., Cact. Gen. Sp. Nov.: 108. 1839 syn. sec. Taylor & Zappi (2004)
 = *Melocactus ellemeetii* Miq. in Ned. Kruidk. Arch. 4: 336. 1958 syn. sec. Taylor & Zappi (2004)
 – *Melocactus margaritaceus* Rizzini, Melocactus Bras.: 76. 1982, nom. inval. syn. sec. Taylor & Zappi (2004)
 – *Melocactus margaritaceus* var. *disciformis* Rizzini, Melocactus Bras.: 78. 1982, nom. inval. syn. sec. Taylor & Zappi (2004)
 – *Melocactus margaritaceus* var. *salvadorianus* Rizzini, Melocactus Bras.: 78. 1982, nom. inval. syn. sec. Taylor & Zappi (2004)
***Melocactus violaceus* subsp. *ritteri* N.P.Taylor in Bradleya 9: 57. 1991.** Sec. Taylor & Zappi (2004)
 = *Melocactus macrodiscus* var. *minor* F.Ritter, Kakteen Südamerika 1: 133. 1979 syn. sec. Kew WCVP (2019)
***Melocactus violaceus* subsp. *violaceus*.** Sec. Taylor & Zappi (2004)
***Melocactus zehntneri* (Britton & Rose) Luetzelb., Estud. Bot. Nordéste 3: 111. 1923.** Sec. Taylor & Zappi (2004)
 ≡ *Cactus zehntneri* Britton & Rose, Cactaceae 3: 236, f. 248. 1922 syn. sec. Taylor & Zappi (2004)
 = *Melocactus macrodiscus* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C: t. 47. 1932 syn. sec. Taylor & Zappi (2004)
 = *Melocactus curvicornis* Buining & Brederoo in Kakteen And. Sukk. 23: 33. 1972 syn. sec. Taylor & Zappi (2004) ≡
Melocactus zehntneri var. *curvicornis* (Buining & Brederoo) P.J.Braun in Bradleya 6: 98. 1988 syn. sec. Taylor & Zappi (2004)
 = *Melocactus giganteus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 45: 227. 1973 syn. sec. Taylor & Zappi (2004)
 = *Melocactus canescens* F.Ritter, Kakteen Südamerika 1: 134. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Melocactus zehntneri* subsp. *canescens* (F.Ritter) P.J.Braun in Bradleya 6: 98. 1988 syn. sec. Taylor & Zappi (2004)
 = *Melocactus canescens* var. *montealtoi* F.Ritter, Kakteen Südamerika 1: 134. 1979 syn. sec. Taylor & Zappi (2004)
 = *Melocactus zehntneri* var. *viridis* F.Ritter, Kakteen Südamerika 1: 132. 1979 syn. sec. Taylor & Zappi (2004)
 = *Melocactus arcuatispinus* Brederoo & Eerkens in Succulenta (Netherlands) 62(5): 97. 1983 syn. sec. Taylor & Zappi (2004) ≡
Melocactus zehntneri subsp. *arcuatispinus* (Brederoo & Eerkens) P.J.Braun & Esteves in Schumannia 3: 188. 2002 syn. sec. Taylor & Zappi (2004)
 = *Melocactus douradaensis* Hovens & Strecker in Succulenta (Netherlands) 63(1): 3. 1984 syn. sec. Taylor & Zappi (2004) ≡
Melocactus zehntneri f. *douradaensis* (Hovens & Strecker) Delanoy in Cactus & Co. 8: 262. 2004 syn. sec. Kew WCVP (2019)
 ≡ *Melocactus zehntneri* subsp. *douradaensis* (Hovens & Strecker) P.J.Braun & Heimen in Kakteen And. Sukk. 71(4): 110. 2020 syn. sec. Korotkova (2021) – *Melocactus zehntneri* f. *douradaensis* (Hovens & Strecker) Guiggi in Cactology 5 (Suppl. 8): 3. 2020 syn. sec. Korotkova (2021) [is later isonym of *Melocactus zehntneri* f. *douradaensis* (Hovens & Strecker) Delanoy]
 = *Melocactus saxicola* Diers & Esteves in Kakteen And. Sukk. 35(9): 200. 1984 syn. sec. Taylor & Zappi (2004)
 = *Melocactus saxicola* L.Diers & E.Esteves Pereira in Kakteen And. Sukk. 35: 196. 1984 syn. sec. Taylor & Zappi (2004)
 = *Melocactus helvolilanatus* Buining & Brederoo in Succulenta (Netherlands) 55: 261. 1976 syn. sec. Taylor & Zappi (2004) –
Melocactus helvolilanthus Buining & Brederoo, nom. inval. syn. sec. Korotkova (2021)
 – *Melocactus zehntneri* var. *ananas* Rizzini, Melocactus Bras.: 64. 1982, nom. inval. syn. sec. Kew WCVP (2019)

***Micranthocereus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938.** Sec. Hunt (2006)

Type: *Micranthocereus polyanthus* (Werderm.) Backeb.

= *Austrocephalocereus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938 syn. sec. Hunt (2006). Type: *Austrocephalocereus purpureus* (Gürke) Backeb.

= *Siccobaccatus* P.J.Braun & Esteves in Succulenta (Netherlands) 69: 6. 1990 syn. sec. Hunt (2006). Type: *Siccobaccatus dolichospermaticus* (Buining & Brederoo) P.J.Braun & Esteves

***Micranthocereus albicephalus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 108. 1979.** Sec. Taylor & Zappi (2004)

≡ *Austrocephalocereus albicephalus* Buining & Brederoo in Kakteen And. Sukk. 24(4): 73–75. 1973 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus albicephalus* (Buining & Brederoo) F.H.Brandt in Kakteen Orch. Rundschau 1981(5): 124. 1981 syn. sec. Taylor & Zappi (2004)

= *Micranthocereus aureispinus* F.Ritter, Kakteen Südamerika 1: 107. 1979 syn. sec. Taylor & Zappi (2004)

= *Micranthocereus monteazulensis* F.Ritter, Kakteen Südamerika 1: 105. 1979 syn. sec. Taylor & Zappi (2004)

= *Micranthocereus oliveirae* P.J.Braun in Kakteen And. Sukk. 66: 314. 2015 syn. sec. Kew WCVP (2019)

- Micranthocereus auri-azureus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 45: 120, f. 1–5. 1973.** Sec. Taylor & Zappi (2004)
- Micranthocereus dolichospermaticus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 108. 1979.** Sec. Taylor & Zappi (2004)
- ≡ *Austrocephalocereus dolichospermaticus* Buining & Brederoo in Kakteen And. Sukk. 25(4): 76–79. 1974 syn. sec. Taylor & Zappi (2004) ≡ *Siccobaccatus dolichospermaticus* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 69: 6. 1990 syn. sec. Taylor & Zappi (2004)
- Micranthocereus estevesii* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 108. 1979.** Sec. Hunt (2016)
- ≡ *Austrocephalocereus estevesii* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 47: 267. 1975 syn. sec. Hunt (2006) ≡ *Siccobaccatus estevesii* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 69: 7. 1990 syn. sec. Tropicos
- = *Austrocephalocereus estevesii* subsp. *insigniflorus* Diers & Esteves in Kakteen And. Sukk. 39: 268. 1988 syn. sec. Kew WCVP (2019) ≡ *Siccobaccatus estevesii* subsp. *insigniflorus* (Diers & Esteves) P.J.Braun & Esteves in Succulenta (Netherlands) 69: 7. 1990 syn. sec. Kew WCVP (2019) ≡ *Siccobaccatus insigniflorus* (Diers & Esteves) P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 80: 114. 2008 syn. sec. Tropicos
- = *Austrocephalocereus estevesii* subsp. *grandiflora* Diers & Esteves in Kakteen And. Sukk. 40: 81. 1989 syn. sec. Kew WCVP (2019) ≡ *Siccobaccatus estevesii* subsp. *grandiflora* (Diers & Esteves) P.J.Braun & Esteves in Succulenta (Netherlands) 69: 7. 1990 syn. sec. Kew WCVP (2019)
- Micranthocereus flaviflorus* Buining & Brederoo in Kakteen And. Sukk. 25(2): 25–27. 1974.** Sec. Taylor & Zappi (2004)
- = *Micranthocereus densiflorus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 46: 113. 1974 syn. sec. Taylor & Zappi (2004) ≡ *Micranthocereus flaviflorus* subsp. *densiflorus* (Buining & Brederoo) P.J.Braun & Esteves in Succulentes (France) 74(3): 132. 1995 syn. sec. Taylor & Zappi (2004)
- = *Micranthocereus uilianus* Brederoo & C.A.L.Bercht in Succulenta (Netherlands) 63(8): 178. 1984 syn. sec. Taylor & Zappi (2004) ≡ *Micranthocereus flaviflorus* var. *uilianus* (Brederoo & C.A.L.Bercht) P.J.Braun & Esteves in Succulentes (France) 74(3): 132. 1995 syn. sec. Taylor & Zappi (2004) ≡ *Micranthocereus flaviflorus* subsp. *uilianus* (Brederoo & C.A.L.Bercht) P.J.Braun & Esteves in Kakteen And. Sukk. 59: 125. 2008 syn. sec. Kew WCVP (2019)
- Micranthocereus hofackerianus* (P.J.Braun & Esteves) M.Machado in Kakteen And. Sukk. 57(10): 272. 2006.** Sec. Hunt (2006)
- ≡ *Arrojadoa multiflora* subsp. *hofackeriana* P.J.Braun & Esteves in Kakteen And. Sukk. 53: 75. 2002 syn. sec. Hunt (2006) ≡ *Arrojadoa hofackeriana* (P.J.Braun & Esteves) P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 79: 259. 2007 syn. sec. Hunt (2006)
- Micranthocereus polyanthus* (Werderm.) Backeb. in Cactaceae (Berlin) 1941(2): 51. 1942.** Sec. Taylor & Zappi (2004)
- ≡ *Cephalocereus polyanthus* Werderm., Repert. Spec. Nov. Regni Veg.: 11. 1932 syn. sec. Taylor & Zappi (2004) ≡ *Arrojadoa polyantha* (Werderm.) D.R.Hunt in Bradleya 5: 92. 1987 syn. sec. Taylor & Zappi (2004)
- Micranthocereus polyanthus* subsp. *alvinii* M.Machado & Hofacker in Kakteen And. Sukk. 55(5): 127–133. 2004.** Sec. Taylor & Zappi (2004)
- ≡ *Micranthocereus flaviflorus* subsp. *alvinii* (M.Machado & Hofacker) Lodé in Cact.-Avent. Int. 102: 30. 2014 syn. sec. Korotkova (2021)
- Micranthocereus polyanthus* subsp. *polyanthus*.** Sec. Taylor & Zappi (2004)
- Micranthocereus purpureus* (Gürke) F.Ritter in Kakteen And. Sukk. 19: 157. 1968.** Sec. Taylor & Zappi (2004)
- ≡ *Cephalocereus purpureus* Gürke in Monatsschr. Kakteenk. 18: 86. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cereus purpureus* (Gürke) Luetzelb. in Estud. Bot. Nordéste 3: 111. 1926 syn. sec. Kew WCVP (2019) ≡ *Austrocephalocereus purpureus* (Gürke) Backeb. in Cactaceae (Berlin) 1942(2): 53. 1942 syn. sec. Taylor & Zappi (2004)
- = *Cephalocereus lehmannianus* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C: t. 46. 1932 syn. sec. Taylor & Zappi (2004) ≡ *Austrocephalocereus lehmannianus* (Werderm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951 syn. sec. Taylor & Zappi (2004) ≡ *Micranthocereus lehmannianus* (Werderm.) F.Ritter in Kakteen And. Sukk. 19: 157. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus lehmannianus* (Werderm.) F.H.Brandt in Kakteen Orch. Rundschau 1981(5): 124. 1981 syn. sec. Taylor & Zappi (2004)
- = *Micranthocereus haematocarpus* F.Ritter, Kakteen Südamerika 1: 105. 1979 syn. sec. Taylor & Zappi (2004)
- = *Micranthocereus ruficeps* F.Ritter, Kakteen Südamerika 1: 106. 1979 syn. sec. Taylor & Zappi (2004)
- Micranthocereus streckeri* Van Heek & Van Criel. in Kakteen And. Sukk. 37(5): 105. 1986.** Sec. Taylor & Zappi (2004)
- ≡ *Austrocephalocereus streckeri* (Van Heek & Van Criel.) Mottram in Cactician 5: 15. 2014 syn. sec. Kew WCVP (2019)
- Micranthocereus violaciflorus* Buining in Kakteen And. Sukk. 20: 129. 1969.** Sec. Taylor & Zappi (2004)
- Micropuntia* Daston in Amer. Midl. Naturalist 36: 661. 1946.** Sec. Majure & al. (2019)
- Type: *Micropuntia brachyrhopalica* Daston
- ≡ *Grusonia* subg. *Micropuntia* (Daston) Stuppy in Succ. Pl. Res. 6: 48. 2002 syn. sec. Majure & al. (2019)
- Micropuntia pulchella* (Engelm.) M.P.Griff. in Haseltonia 9: 91. 2003.** Sec. Majure & al. (2019)
- ≡ *Opuntia pulchella* Engelm. in Trans. Acad. Sci. St. Louis 2(1): 201. 1863 syn. sec. Majure (2021) ≡ *Corynopuntia pulchella* (Engelm.) F.M.Knuth, Kaktus-ABC: 115. 1936 ["1935"] syn. sec. Majure (2021) ≡ *Grusonia pulchella* (Engelm.) H.Rob. in Phytologia 26(3): 176. 1973 syn. sec. Majure (2021)

- = *Micropuntia brachyrhopalica* Daston in Amer. Midl. Naturalist 36: 661, fig. 1. 1946 syn. sec. Majure (2021) ≡ *Opuntia brachyrhopalica* (Daston) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)
- = *Micropuntia barkleyana* Daston in Amer. Midl. Naturalist 36(3): 662, f. 2. 1947 syn. sec. Majure (2021) ≡ *Opuntia barkleyana* (Daston) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)
- = *Micropuntia spectatissima* Daston in Amer. Midl. Naturalist 36(3): 662, f. 3. 1947 syn. sec. Majure (2021) ≡ *Opuntia spectatissima* (Daston) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)
- = *Micropuntia gracilicylindrica* E.F.Wiegand & Backeb., Descr. Cact. Nov.: 9. 1957 syn. sec. Majure (2021) ≡ *Opuntia gracilicylindrica* (E.F.Wiegand & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021) ≡ *Micropuntia pulchella* subsp. *gracilicylindrica* (E.F.Wiegand & Backeb.) Hochstätter, CactusWorld 31: 256. 2013 syn. sec. Majure (2021)
- = *Micropuntia pygmaea* E.F.Wiegand & Backeb., Descr. Cact. Nov.: 9. 1957 syn. sec. Majure (2021) ≡ *Opuntia pygmaea* (E.F.Wiegand & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)
- = *Micropuntia tuberculosirhopalica* E.F.Wiegand & Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Majure (2021) ≡ *Micropuntia tuberculosirhopalica* E.F.Wiegand & Backeb., Descr. Cact. Nov.: 9. 1957 syn. sec. Majure (2021) ≡ *Opuntia tuberculosirhopalica* (E.F.Wiegand & Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)
- = *Micropuntia wiegandii* Backeb., Descr. Cact. Nov. 1: 9. 1957 ["1956"] syn. sec. Majure (2021) ≡ *Opuntia wiegandii* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Majure (2021)

Mila Britton & Rose, Cactaceae 3: 211. 1922. Sec. Hunt (2006)

Type: *Mila caespitosa* Britton & Rose

Notes. – Monotypic; sampled by Hernández-Hernández & al. (2011) and Schlumpberger & Renner (2012) and found unresolved within the *Oreocereus clade*. [Korotkova & al. (2021)]

***Mila caespitosa* Britton & Rose, Cactaceae 3: 211–212, pl. 22, f. 2. 1922. Sec. Hunt (2016)**

- ≡ *Echinopsis maytana* Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Molinari-Novoa (2015)
- = *Mila kubeana* Werderm. & Backeb., Neue Kakteen: 83. 1931 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *kubeana* (Werderm. & Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila kubei* Backeb. in Möller's Deutsche Gärtn.-Zeitung 46: 187. 1931 syn. sec. Kew WCVP (2019)
- = *Mila nealeana* Backeb. in Blätt. Kakteenf. 1934(1): 2. 1934 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* subsp. *nealeana* (Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* subsp. *nealeana* (Backeb.) Donald in Ashingtonia 2: 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila alboareolata* Akers in Fuau Herb. Bull. 5: 2–3. 1953 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* var. *alboareolata* (Akers) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila cereoides* Rauh & Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Mila cereoides* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 235. 1958 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *cereoides* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 61. 1978 syn. sec. Kew WCVP (2019)
- = *Mila lurinensis* Rauh & Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *lurinensis* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila sublanata* Rauh & Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *sublanata* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 61. 1978 syn. sec. Kew WCVP (2019)
- = *Mila albisetacea* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 238. 1958 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *albisetacea* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila breviseta* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 233. 1958 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *breviseta* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019)
- = *Mila densiseta* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 239. 1958 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* var. *densiseta* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 62. 1978 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* subsp. *densiseta* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 20: 39. 2002 syn. sec. Kew WCVP (2019)
- = *Mila fortalezensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 234. 1958 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* var. *fortalezensis* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 61. 1978 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *fortalezensis* (Rauh & Backeb.) Donald in Ashingtonia 3: 61. 1978 syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* subsp. *fortalezensis* (Rauh & Backeb.) Ostolaza, Cactus Perú: 372. 2014 syn. sec. Kew WCVP (2019)
- = *Mila nealeana* var. *tenuior* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 232. 1958 syn. sec. Kew WCVP (2019)
- = *Mila sublanata* var. *pallidior* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 236. 1958 syn. sec. Kew WCVP (2019)
- = *Echinopsis rommyana* Molinari in Succulentopi@ 13: 19. 2015 syn. sec. Kew WCVP (2019)
- *Mila nealeana* f. *senilis* F.Ritter, Kakteen Südamerika 4: 1341. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Mila caespitosa* subsp. *caespitosa*. Sec. Kew WCVP (2019)**

***Mila caespitosa* subsp. *pugionifera* (Rauh & Backeb.) D.R.Hunt in Cactaceae Syst. Init. 20: 21. 2005. Sec. Kew WCVP (2019)**

- ≡ *Mila pugionifera* Rauh & Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* var. *pugionifera* (Rauh & Backeb.) Donald in Ashingtonia 3(3–4): 61. 1978 syn. sec. Kew WCVP (2019)

= *Mila albisaetacens* Rauh & Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Mila caespitosa* f. *albisaetacens* (Rauh & Backeb.) Donald in *Ashingtonia* 3: 62. 1978 syn. sec. Kew WCVP (2019)
 = *Mila colorea* F.Ritter, *Kakteen Südamerika* 4: 1341. 1981 syn. sec. Kew WCVP (2019)

***Miqueliopuntia Frič ex F.Ritter, Kakteen Südamerika* 3: 869. 1980. Sec. Majure & al. (2012)**

Type: *Miqueliopuntia miquelii* (Monv.) F.Ritter

Notes. – **Phylogenetics:** Monotypic; sampled by Griffith & Porter (2009) and Majure & al. (2012) and not found nested in any other genus, justifying generic rank. [Hernández-Ledesma & al. (2015)]

***Miqueliopuntia miquelii* (Monv.) F.Ritter, Kakteen Südamerika** 3: 869. 1980. Sec. Hunt (2016)

≡ *Opuntia miquelii* Monv., Hort. Universel 1: 218. 1839 ≡ *Cylindropuntia miquelii* (Monv.) Backeb., *Kaktus-ABC*: 121. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Austrocylindropuntia miquelii* (Monv.) Backeb. in *Cactaceae* (Berlin) 1941(2): 13. 1942 syn. sec. Hunt (2016)

= *Opuntia pulverulenta* Pfeiff. in *Allg. Gartenzeitung* 8(51): 407. 1840 syn. sec. Kew WCVP (2019)

= *Opuntia geissei* Phil. in *Anales Univ. Chile* 85: 492. 1894 syn. sec. Kew WCVP (2019)

= *Opuntia rosiflora* K.Schum., *Gesamtbeschr. Kakt.*: 686. 1898 syn. sec. Kew WCVP (2019)

= *Austrocylindropuntia miquelii* var. *jilesii* Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"]

= *Miqueliopuntia miquelii* f. *flava* P.V.Heath in *Calyx* 6: 41. 1999 syn. sec. Kew WCVP (2019)

***Morangaya G.D.Rowley in Ashingtonia* 1: 44. 1944. Sec. Sánchez & al. (2014)**

Type: *Morangaya pensilis* (K.Brandegee) G.D.Rowley

Notes. – See note for *Echinocereus*. [Korotkova & al. (2021)]

***Morangaya pensilis* (K.Brandegee) G.D.Rowley in Ashingtonia** 1(4): 44. 1974. Sec. Sánchez & al. (2014)

≡ *Cereus pensilis* K.Brandegee in *Zoë* 5(10): 192. 1905 ≡ *Echinocereus pensilis* (K.Brandegee) J.A.Purpus in *Monatsschr. Kakteenk.* 18: 5. 1908

***Myrtillocactus Console in Boll. Reale Orto Bot. Giardino Colon. Palermo* 1: 10. 1897. Sec. Hunt (2006)**

Type: *Myrtillocactus geometrizans* (Mart. ex Pfeiff.) Console

= *Myrtillocereus Frič & Kreuz.* in *Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 11. 1935 syn. sec. Kew WCVP (2019)

Notes. – *Myrtillocactus schenkii* and *M. geometrizans* were sampled by Arias & al. (2005) and were resolved sister to each other and in a polytomy with *Polaskia chichipe*, *Myrtillocactus* and *Stenocereus*. Hernández-Hernández & al. (2011) found a similar topology, with *Myrtillocactus* sister to a clade of *Stenocereus*, *Polaskia*, *Escontria*, and *Isolatocereus*, albeit with support <50%. [Korotkova & al. (2021)]

***Myrtillocactus cochal* (Orcutt) Britton & Rose in Contr. U.S. Natl. Herb.** 12: 427. 1909. Sec. Hunt (2006)

≡ *Cereus cochal* Orcutt in *W. Amer. Sci.* 6(43): 29. 1889 syn. sec. Hunt (2006) ≡ *Cereus geometrizans* var. *cochal* (Orcutt) K.Brandegee in *Zoë* 5: 4. 1900 syn. sec. Kew WCVP (2019) ≡ *Myrtillocactus geometrizans* var. *cochal* (Orcutt) W.T.Marshall syn. sec. Kew WCVP (2019)

***Myrtillocactus eichlamii* Britton & Rose, Cactaceae** 2: 180–181, f. 256. 1920. Sec. Hunt (2006)

***Myrtillocactus geometrizans* (Mart. ex Pfeiff.) Console in Boll. Reale Orto Bot. Giardino Colon. Palermo** 1: 10. 1897. Sec. Hernández & Gómez-Hinostrosa (2011)

≡ *Cereus geometrizans* Mart. ex Pfeiff., *Enum. Diagn. Cact.*: 90. 1837 syn. sec. Hunt (2006)

= *Cereus aquicaulensis* Pfeiff., *Enum. Diagn. Cact.*: 90. 1837 syn. sec. Kew WCVP (2019)

= *Cereus gladiator* Otto & A.Dietr. in *Allg. Gartenzeitung* 6: 34. 1838 syn. sec. Kew WCVP (2019)

= *Cereus pugionifer* Lem., *Cact. Aliq. Nov.*: 30. 1838 syn. sec. Kew WCVP (2019) ≡ *Cereus geometrizans* var. *pugionifer* (Lem.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 48. 1850 syn. sec. Kew WCVP (2019) ≡ *Cereus geometrizans* var.

pugioniferus (Lem.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 48. 1850 syn. sec. Tropicos ≡ *Myrtillocactus geometrizans* var. *pugionifera* (Lem.) Console in *Boll. Reale Orto Bot. Palermo* 1: 10. 1897 syn. sec. Kew WCVP (2019)

= *Cereus garambello* Haage ex C.F.Först., *Handb. Cacteenk.*: 433. 1846 syn. sec. Kew WCVP (2019)

= *Cereus gladiator* var. *geometrizans* Monv. in *Cat.* 1846 syn. sec. Kew WCVP (2019)

= *Cereus pugionifer* var. *quadrangulispinus* Lem. ex C.F.Först., *Handb. Cacteenk.*: 395. 1846 syn. sec. Kew WCVP (2019)

= *Cereus arrigens* Monv. ex Labour., *Monogr. Cactaceae*: 367. 1853 syn. sec. Britton & Rose (1920)

= *Cereus geometrizans* var. *quadrangularispinus* Lem. ex Labour., *Monogr. Cact.*: 367. 1853 syn. sec. Kew WCVP (2019)

= *Myrtillocactus pugionifer* A.Berger, *Kakteen*: 160. 1929 syn. sec. Hunt (2006)

= *Myrtillocactus hertrichii* Houghton in *J. Cact. Succ. Soc. Amer.* 1: 136. 1930 syn. sec. Kew WCVP (2019)

= *Myrtillocactus grandiareolatus* Bravo in *Anales Inst. Biol. Univ. Nac. México* 3: 15. 1932 syn. sec. Kew WCVP (2019) ≡ *Myrtillocactus geometrizans* var. *grandiareolatus* (Bravo) Backeb., *Cactaceae* 4: 3267. 1960 syn. sec. Kew WCVP (2019)

= *Myrtillocereus geometrizans* var. *pugionifer* (K.Schum.) Frič & Kreuz. in *Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 11. 1935 syn. sec. Korotkova (2021)

= *Myrtillocactus geometrizans* f. *hintonii* W.A.Fitz Maur. in *Cact. Suc. Mex.* 34: 89. 1989 syn. sec. Kew WCVP (2019)

= *Myrtillocactus geometrizans* f. *cristatus* P.V.Heath in *Calyx* 2: 105. 1992 syn. sec. Kew WCVP (2019)

– *Myrtillocereus geometrizans* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 11. 1935, nom. inval. syn. sec. Tropicos

***Myrtillocactus schenckii* (J.A.Purpus) Britton & Rose in Contr. U.S. Natl. Herb. 12: 427, t. 73. 1909.** Sec. Hunt (2006)

≡ *Cereus schenckii* J.A.Purpus in Monatsschr. Kakteenk. 19: 38. 1909 syn. sec. Hunt (2006)

= *Myrtillocactus schenckii* f. *cristatus* P.V.Heath in Calyx 2: 105. 1992 syn. sec. Kew WCVP (2019)

***Neoraimondia* Britton & Rose, Cactaceae 2: 181. 1920.** Sec. Hunt (2006)

Type: *Neoraimondia macrostibas* (K.Schum.) Britton & Rose

= *Neocardenasia* Backeb. in Blätt. Sukkulenteenk. 1: 2. 1949 syn. sec. Hunt (2006). Type: *Neocardenasia herzogiana* Backeb.

Notes. – Both species were sampled by Hernández-Hernández & al. (2011) and found well supported (81% MLBS) as sister to each other. [Korotkova & al. (2021)]

***Neoraimondia arequipensis* (Meyen) Backeb. in Blätt. Kakteenf. 1937(9): 1. 1937.** Sec. Hunt (2006)

≡ *Cereus arequipensis* Meyen, Reise Erde 2: 41. 1834 syn. sec. Hunt (2006)

= *Pilocereus macrostibas* K.Schum. in Monatsschr. Kakteenk. 13: 168. 1903 syn. sec. Hunt (2006) ≡ *Cereus macrostibas* (K.Schum.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 69. 1905 syn. sec. Kew WCVP (2019) ≡ *Neoraimondia macrostibas* (K.Schum.) Britton & Rose, Cactaceae 2: 182. 1920 syn. sec. Hunt (2006)

= *Espostoa gigantea* Backeb. in Möller's Deutsche Gärt.-Zeitung 46: 206. 1931 syn. sec. Hunt (2006) ≡ *Neoraimondia gigantea* Backeb. in Möller's Deutsche Gärt.-Zeitung 46: 187. 1931 syn. sec. Hunt (2006) ≡ *Neoraimondia macrostibas* var. *gigantea* Backeb., Kaktus-ABC: 176, 411. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Neoraimondia roseiflora* Backeb. in Cact. Succ. J. (Los Angeles) 3: 131. 1932 syn. sec. Hunt (2006)

= *Neoraimondia macrostibas* var. *roseiflora* (Werderm. & Backeb.) Backeb., Kaktus-ABC: 176. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Neoraimondia arequipensis* subsp. *roseiflora* (Werderm. & Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 9. 1998 syn. sec. Hunt (2006) ≡ *Cereus macrostibas* var. *roseiflorus* Werderm. & Backeb. syn. sec. Tropicos

= *Neoraimondia aticensis* Rauh & Backeb., Descr. Cact. Nov. 1: 13. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Neoraimondia arequipensis* var. *aticensis* (Rauh & Backeb.) Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 263. 1958 syn. sec. Hunt (2006)

= *Neoraimondia arequipensis* var. *rhodantha* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 261. 1958 syn. sec. Kew WCVP (2019)

= *Neoraimondia arequipensis* var. *riomajensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 262. 1958 syn. sec. Kew WCVP (2019)

= *Neoraimondia gigantea* var. *saniensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 260. 1958 syn. sec. Kew WCVP (2019)

= *Neoraimondia peruviana* F.Ritter, Kakteen Südamerika 4: 1267. 1981 syn. sec. Hunt (2006)

***Neoraimondia herzogiana* (Backeb.) Buxb. & Krainz, Städtische Sukkulenteensammlung Zürich, Katalog: 89. 1967.** Sec. Kiesling & al. (2014)

≡ *Neocardenasia herzogiana* Backeb. in Blätt. Sukkulenteenk. 1: 2. 1949 syn. sec. Kiesling & al. (2014)

***Neowerdermannia* Frič in Kaktusář 1: 85. 1930.** Sec. Hunt (2006)

Type: *Neowerdermannia vorwerkii* Frič

Notes. – Both species of this genus were sampled in two different phylogenetic analyses with different overall sampling. *Neowerdermannia vorwerkii* was found weakly supported (71 MLBS / 51 BS) as sister to *Eriosyce aurata* + *E. islayensis* by Hernández-Hernández & al. (2011). *Neowerdermannia chilensis* was found weakly supported as sister to *Yavia* and the two as sister to *Rimacactus*; the clade of *Neowerdermannia*, *Yavia* and *Rimacactus* was found as sister to *Parodia*, not close to *Eriosyce aurata* or *E. islayensis*. Hence, the monophyly of *Neowerdermannia* and its exact relationship to *Eriosyce* and *Parodia* still need to be established. [Korotkova & al. (2021)]

***Neowerdermannia chilensis* Backeb. in Cact. Succ. J. (Los Angeles) 8: 73. 1936.** Sec. Hunt (2006)

≡ *Weingartia chilensis* (Backeb.) Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Tropicos ≡ *Sulcorebutia chilensis* (Backeb.) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Tropicos

= *Neowerdermannia peruviana* F.Ritter, Kakteen Südamerika 4: 1338. 1981 syn. sec. Hunt (2006) ≡ *Neowerdermannia chilensis* subsp. *peruviana* (F.Ritter) Ostolaza in Cactaceae Consensus Init. 6: 9. 1998 syn. sec. Hunt (2006)

***Neowerdermannia vorwerkii* Frič in Kaktusář 11: 85. 1930.** Sec. Hunt (2016)

≡ *Gymnocalycium vorwerkii* (Frič) Hutchison in Natl. Cact. Succ. J. 14: 38. 1959 syn. sec. Kew WCVP (2019) ≡ *Weingartia vorwerkii* (Frič) Backeb., Descr. Cact. Nov. 3: 16. 1963 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vorwerkii* (Frič)

F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Coryphantha vorwerkii* (Frič) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12(1): 8. 2005 syn. sec. Kew WCVP (2019)

= *Neowerdermannia vorwerkii* var. *gielsdorfiana* Backeb. in Cact. Succ. J. (Los Angeles) 23: 86. 1951 syn. sec. Kew WCVP (2019) ≡ *Weingartia vorwerkii* var. *gielsdorfiana* Backeb., Descr. Cact. Nov. 3: 16. 1963 syn. sec. Kew WCVP (2019) ≡

Neowerdermannia vorwerkii f. *gielsdorfiana* (Backeb.) Krainz, Kakteen 40-41: CVI f. 1969 syn. sec. Kew WCVP (2019)

= *Neowerdermannia vorwerkii* var. *erectispina* Hoffm. & Backeb. in Backeberg, Cactaceae 3: 1796. 1959 syn. sec. Kew WCVP (2019) ≡ *Weingartia vorwerkii* var. *erectispina* (Hoffm. & Backeb.) Backeb., Descr. Cact. Nov. 3: 16. 1963 syn. sec. Kew WCVP (2019)

***Nyctocereus* (A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 423. 1909. Sec. Arias & Aquino (2019)**

Type: *Nyctocereus serpentinus* (Lag. & Rodr.) Britton & Rose

Notes. – **Phylogenetics:** *Nyctocereus* is a sister taxon of *Bergerocactus* and other genera of *Pachycereinae*, but it is not part of *Peniocereus* (Arias & al. 2005). *Nyctocereus* is characterized by cylindrical, monomorphic, medium-wide stems (3 to 6 cm), as well as distinctively long (15 to 19 cm) and white flowers. Monotypic. [Arias (2021)]

***Nyctocereus serpentinus* (Lag. & Rodr.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 423. 1909. Sec. Arias & Aquino (2019)**

- ≡ *Cactus serpentinus* Lag. & Rodr. in Anales Ci. Nat. 4: 261. 1801 syn. sec. Arias & Aquino (2019) ≡ *Cereus serpentinus* (Lag. & Rodr.) DC., Prodr. 3: 467. 1828 syn. sec. Arias (2021) ≡ *Echinocereus serpentinus* (Lag. & Rodr.) Lem., Cactées: 57. 1868 syn. sec. Arias (2021) ≡ *Peniocereus serpentinus* (Lag. & Rodr.) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Arias & Aquino (2019);
- = *Cactus ambiguus* Bonpl., Descr. Pl. Malmaison: 90. 1813 syn. sec. Candolle (1828) ≡ *Cereus ambiguus* (Bonpl.) DC., Prodr. 3: 467. 1828 syn. sec. Kew WCVP (2019) ≡ *Nyctocereus serpentinus* var. *ambiguus* (Bonpl.) Borg, Cacti, ed. 1: 131. 1937 syn. sec. Kew WCVP (2019)
- = *Cereus serpentinus* var. *splendens* Salm-Dyck ex Lem., Cact. Gen. Sp. Nov.: 79. 1839 syn. sec. Arias & Aquino (2019) ≡ *Echinocereus splendens* (Salm-Dyck ex Lem.) Lem., Cactées: 57. 1868 syn. sec. Britton & Rose (1920) ≡ *Nyctocereus serpentinus* var. *splendens* (Salm-Dyck ex Lem.) Borg, Cacti, ed. 1: 131. 1937 syn. sec. Kew WCVP (2019) ≡ *Nyctocereus serpentinus* subsp. *splendens* (Salm-Dyck ex Lem.) Scheinvar in Schumannia 5: 141. 2008 syn. sec. Arias & Aquino (2019)
- = *Cereus splendens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 214. 1850 syn. sec. Britton & Rose (1920)
- = *Cereus kalbreyerianus* Wercklé in Monatsschr. Kakteenk. 17: 38. 1907 syn. sec. Kew WCVP (2019) ≡ *Nyctocereus kalbreyerianus* (Wercklé) Croizat in Caldasia 2: 347. 1944
- = *Nyctocereus serpentinus* var. *strictior* Borg, Cacti, ed. 1: 131. 1937 syn. sec. Kew WCVP (2019)
- = *Nyctocereus serpentinus* var. *pietatis* Bravo in Cact. Suc. Mex. 17(4): 116. 1972 syn. sec. Arias & Aquino (2019) ≡ *Peniocereus serpentinus* subsp. *pietatis* (Bravo) Scheinvar, Fl. Cactológ. Est. Querétaro: 177. 2004 syn. sec. Kew WCVP (2019)
- = *Nyctocereus castellanosi* Scheinvar in Anales Inst. Biol. Univ. Nac. Autón. México, Bot. 47–53: 165. 1976–1982 syn. sec. Arias & Aquino (2019) ≡ *Peniocereus castellanosi* (Scheinvar) Scheinvar, Fl. Cactológ. Est. Querétaro: 178. 2004 syn. sec. Tropicos

***Obregonia* Frič in Život v Přír. 29: 3. 1925. Sec. Vázquez-Sánchez & al. (2013)**

Type: *Obregonia denegrii* Frič

Notes. – See under *Lophophora*. [Hernández-Ledesma & al. (2015)]

***Obregonia denegrii* Frič in Život v Přír. 29: 14. 1925. Sec. Vázquez-Sánchez & al. (2013)**

- ≡ *Ariocarpus denegrii* (Frič) W.T.Marshall in Cact. Succ. J. (Los Angeles) 18: 56. 1946 syn. sec. Tropicos ≡ *Strombocactus denegrii* (Frič) G.D.Rowley in Repert. Pl. Succ. 23: 9. 1974 ["1972"] syn. sec. Tropicos

***Opuntia* Mill., Gard. Dict. Abr., ed. 4: 974. 1754. Sec. Hunt (2016)**

Type: *Opuntia ficus-indica* (L.) Mill.

- ≡ *Cactus* [unranked] *Opuntia* L., Sp. Pl.: 468. 1753 syn. sec. Korotkova & al. (2021)
- = *Terecaulis* Berge, Buch der Welt: 91. 1842 syn. sec. Crook & Mottram (1997)
- = *Nopalea* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 63–64, 233. 1850 syn. sec. Hunt (2006). Type: *Nopalea cochenillifera* (L.) Salm-Dyck
- *Nopal* Thierry ex Rümpler, Handb. Cacteenk., ed. 2: 929. 1885, nom. inval.
- = *Opuntia* subg. *Platyopuntia* Engelm. in Proc. Amer. Acad. Arts 3: 289–290. 1856 syn. sec. IPNI
- ≡ *Platyopuntia* (Engelm.) Frič & Schelle ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 42. 1935 syn. sec. Hunt (2016)
- ≡ *Platyopuntia* (Engelm.) F.Ritter, Kakteen Südamerika 1: 31. 1979, nom. inval. syn. sec. Hunt (2016)
- = *Ficindica* St.-Lag. in Ann. Soc. Bot. Lyon 7: 70. 1880 syn. sec. Kew WCVP (2019)
- = *Phyllarthus* Neck. ex M.Gómez, Fl. Cuba: 119. 1914 syn. sec. Hunt (2016). Type: *Phyllarthus speciosus* M.Gómez
- = *Tunas* Lunell in Amer. Midl. Naturalist 4: 479. 1916 syn. sec. Kew WCVP (2019)
- = *Chaffeyopuntia* Frič & Schelle ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 42. 1935 syn. sec. Kew WCVP (2019)
- = *Subulatopuntia* Frič & Schelle in Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 10. 1935 syn. sec. Kew WCVP (2019)
- = *Plutonopuntia* P.V.Heath in Calyx 6(2): 41. 1999 syn. sec. Kew WCVP (2019)
- *Cactodendron* Bigelow, Expl. Railroad Mississippi Pacific pt. 1–2: 7. 1856, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** *Opuntia* is the second-largest genus of the family *Cactaceae*. As in all species-rich *Cactaceae* groups, numerous different generic concepts with a varying number of segregate genera have been suggested for *Opuntia*. Both, extensive splitting (e.g. Backeberg 1966) or lumping into a broadly defined *Opuntia* were put forward (Rowley 1958; Benson 1982). The first phylogenetic study by Wallace & Dickie (2002) based on the *rpl16* intron found *Opuntia* in the broad sense to be polyphyletic. For the revised generic classification they presented based on their data, they argued for splitting *Opuntia*, because otherwise further genera (e.g. *Pereskiaopsis*, *Pterocactus*) were also nested within *Opuntia* and merging those would make *Opuntia* a highly heterogenous assemblage. Therefore Wallace & Dickie suggested reinstating the earlier-proposed *Opuntia* segregates *Austrocylindropuntia*, *Brasilopuntia*, *Consolea*, *Corynopuntia*, *Cumulopuntia*, *Cylindropuntia*, *Grusonia*, *Maihueiopsis*, *Miqueliopuntia*, *Nopalea*, *Tephrocactus*, and *Tunilla*. *Opuntia* s.str. was thus restricted to the taxa with flattened

stems and reticulate pollen. This concept was entirely adapted by Hunt (2006), and largely by Nyffeler & Egli (2010). Griffith & Porter (2009), using data from plastid *trnL-F* and nuclear ITS, found *Opuntia* in this restricted sense to additionally include *Consolea* and *Nopalea*, the clade including all three genera received 100% support, and both *Consolea* and *Nopalea* were also supported as monophyletic with 100%. The tree resolution, however, did not allow an immediate conclusion on the delimitation of these genera. *Nopalea* used to be separated from *Opuntia* s.str. because it differs primarily in its hummingbird-syndrome flowers. Nevertheless, it was repeatedly found to be nested in *Opuntia* (Wallace & Gibson 2002; Griffith & Porter 2009; Bárcenas & al. 2011; Hernández-Hernández & al. 2011). Majure & al. (2012) and Majure & Puente (2014) conclusively showed that *Nopalea* was deeply nested within *Opuntia* and merely resulted from a pollinator shift to birds within a more broadly, insect-pollinated clade. [Hernández-Ledesma & al. (2015)]; Although *Opuntia* s.s. is now well defined, species limits and taxonomy in the group are still problematic, and much systematic work is needed to refine our knowledge of species relationships and how species should be appropriately circumscribed. Majure & al. (2017) suggested that cryptic species exist in the clade, and detailed monographic work will be necessary to properly address this issue across the genus. [Majure (2021)]

***Opuntia abjecta* Small ex Britton & Rose, Cactaceae 4: 257. 1923.** Sec. Majure & al. (2017)

***Opuntia aciculata* Griffiths in Proc. Biol. Soc. Washington 29(3): 10–11. 1916.** Sec. Parfitt & Gibson (2003)

≡ *Opuntia engelmannii* var. *aciculata* (Griffiths) D.Weniger, Cacti S. W.: 178. 1969 syn. sec. Korotkova (2021) ≡ *Opuntia engelmannii* var. *aciculata* (Griffiths) Bravo in Cact. Succ. Mex. 19: 47. 1974 syn. sec. Korotkova (2021) ≡ *Opuntia lindheimeri* var. *aciculata* (Griffiths) Bravo in Cact. Succ. Mex. 19: 47. 1974 syn. sec. Hunt (2006) ≡ *Opuntia engelmannii* subsp. *aciculata* (Griffiths) U.Guzmán & Mandujano in Cactaceae Syst. Init. 16: 18. 2003 syn. sec. Kew WCVP (2019)
= *Opuntia aciculata* var. *orbiculata* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Opuntia ×aequatorialis* Britton & Rose, Cactaceae 1: 219–220, f. 287–289. 1919.** Sec. Hunt (2016)

= *Opuntia bakeri* Madsen, Fl. Ecuador 35: 47. 1989 syn. sec. Hunt (2016) ≡ *Opuntia ×bakeri* Madsen syn. sec. Hunt (2016)

***Opuntia altomagdalenensis* Xhonneux in Int. Cact. Advent. 71: 29. 2006.** Sec. Kew WCVP (2019)

***Opuntia anacantha* Speg. in Bull. Mus. Hist. Nat. (Paris) 10: 391. 1904.** Sec. Kiesling

***Opuntia anacantha* var. *anacantha*.** Sec. Köhler (2021)

= *Opuntia canina* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 518. 1905 syn. sec. Kiesling & al. (2014)
= ?*Opuntia roborensis* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 32. 1970 syn. sec. Kiesling & al. (2014)
= *Platyopuntia vitelliniflora* F.Ritter, Kakteen Südamerika 2: 498. 1980 syn. sec. Kiesling & al. (2014) ≡ *Opuntia vitelliniflora* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Kiesling & al. (2014)

***Opuntia anacantha* var. *kiska-loro* (Speg.) R.Kiesling in Candollea 53: 475. 1998.** Sec. Köhler (2021)

≡ *Opuntia kiska-loro* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 516. 1905 syn. sec. Köhler (2021) ≡ *Platyopuntia kiska-loro* (Speg.) F.Ritter, Kakteen Südamerika 2: 407. 1980 syn. sec. Köhler (2021) – *Opuntia kiskaloro* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 516. 1905 syn. sec. TPL (2013) [is orthographic variant for *Opuntia kiska-loro* Speg.]

***Opuntia anacantha* var. *retrorsa* (Speg.) R.Kiesling in Candollea 53: 475. 1998.** Sec. Köhler (2021)

≡ *Opuntia retrorsa* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 571. 1905 syn. sec. Köhler (2021) ≡ *Platyopuntia retrorsa* (Speg.) F.Ritter, Kakteen Südamerika 2: 496. 1980 syn. sec. Köhler (2021)
= *Opuntia fuscolineata* Starm. & Mucher in Wulfenia 12: 60. 2005 syn. sec. Kiesling & al. (2014)

***Opuntia anacantha* var. *utkilio* (Speg.) R.Kiesling in Candollea 53(2): 476. 1998.** Sec. Köhler (2021)

≡ *Opuntia utkilio* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 516. 1905 syn. sec. Köhler (2021)
= *Opuntia platynoda* Griffiths in Bull. Torrey Bot. Club 43: 526. 1916 syn. sec. Köhler (2021)

***Opuntia ×andersonii* H.M.Hern., Gómez-Hin. & Bárcenas in Haseltonia 9: 62. 2003 ["2002"].** Sec. Korotkova (2021)

***Opuntia arechavaletae* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 520. 1905.** Sec. Hunt (2016)

≡ *Opuntia monacantha* subsp. *arechavaletae* (Speg.) Guiggi in Cactology 5 (Suppl. V): 1. 2017 syn. sec. Kew WCVP (2019) – *Opuntia arechavaletae* Speg. syn. sec. TPL (2013) [is misspelling for *Opuntia arechavaletae* Speg.]
= *Platyopuntia viridirubra* F.Ritter, Kakteen Südamerika 1: 35. 1979 syn. sec. Köhler (2021) ≡ *Opuntia viridirubra* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Köhler (2021)

***Opuntia arenaria* Engelm. in Proc. Amer. Acad. Arts 3: 301. 1856.** Sec. Hernández & al. (2014)

≡ *Opuntia polyacantha* var. *arenaria* (Engelm.) B.D.Parfitt in Cact. Succ. J. (Los Angeles) 70(4): 188. 1998 syn. sec. Hernández & al. (2014)

***Opuntia atrispina* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 172-173. 1910.** Sec. Parfitt & Gibson (2003)

***Opuntia auberi* Pfeiff. in Allg. Gartenzeitung 8(36): 282. 1840.** Sec. Hunt (2016)

≡ *Nopalea auberi* (Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 64. 1850 syn. sec. Hunt (2016)
= *Nopalea escuintlensis* Matuda in Cact. Succ. Mex. 1(3): 43–44. 1956 syn. sec. Hunt (2016)

***Opuntia aurantiaca* Lindl. in Edwards's Bot. Reg. 19: pl. 1606. 1833.** Sec. Hunt (2016)

= *Opuntia extensa* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 147. 1837 syn. sec. Kew WCVP (2019)
= *Cactus aurantiaca* Gillies ex Loudon, Hort. Brit. Suppl. 2: 652. 1839 syn. sec. Kew WCVP (2019)
= *Opuntia maldonadensis* Arechav. in Anales Mus. Nac. Montevideo 5: 286. 1905 syn. sec. Kew WCVP (2019) ≡ *Cylindropuntia maldonadensis* (Arechav.) Backeb., Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Austrocylindropuntia maldonadensis* (Arechav.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 13. 1951 syn. sec. Kew WCVP (2019)

- = *Opuntia montevideensis* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 515. 1905 syn. sec. Hunt (2016)
- Opuntia aurea* E.M.Baxter in *Cact. Succ. J. (Los Angeles)* 5(6): 489–490. 1933.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia basilaris* var. *aurea* (E.M.Baxter) W.T.Marshall in Marshall & Bock, *Cactaceae*: 65. 1941 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia lubrica* var. *aurea* (E.M.Baxter) Backeb., *Cactaceae* 1: 585. 1958 syn. sec. Kew WCVP (2019) ≡ *Opuntia erinacea* var. *aurea* (E.M.Baxter) S.L.Welsh in *Great Basin Naturalist* 46(2): 255. 1986 syn. sec. Parfitt & Gibson (2003)
- Opuntia aureispina* (S.Brack & K.D.Heil) Pinkava & B.D.Parfitt in *J. Arizona-Nevada Acad. Sci.* 33(2): 150. 2001.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia macrocentra* var. *aureispina* S.Brack & K.D.Heil in *Cact. Succ. J. (Los Angeles)* 60(1): 17. 1988 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia azurea* var. *aureispina* (S.Brack & K.D.Heil) A.M.Powell & Weedin, *Cacti Trans-Pecos*: 136. 2004 syn. sec. Kew WCVP (2019)
- = *Opuntia luteispina* Guiggi in *Cactology* 3 (Suppl. II): 3. 2012 syn. sec. Kew WCVP (2019)
- Opuntia austrina* Small in *Fl. S.E. U.S.*: 816, 1335. 1903.** Sec. Majure & al. (2017)
- ≡ *Opuntia compressa* var. *austrina* (Small) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(3): 125. 1969 syn. sec. Majure & al. (2017) ≡ *Opuntia humifusa* var. *austrina* (Small) Dress in *Baileya* 19(4): 164. 1975 syn. sec. Majure & al. (2017)
- = *Opuntia spinalba* Raf. in *Atlantic J.* 1: 147. 1832 syn. sec. Kew WCVP (2019)
- = *Opuntia ammophila* Small in *J. New York Bot. Gard.* 20(230): 29–30, pl. 224. 1919 syn. sec. Majure & al. (2017) ≡ *Opuntia compressa* var. *ammophila* (Small) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(3): 124. 1969 syn. sec. Majure & al. (2017) ≡ *Opuntia humifusa* var. *ammophila* (Small) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 48(2): 59. 1976 syn. sec. Majure & al. (2017)
- = *Opuntia pisciformis* Small ex Britton & Rose, *Cactaceae* 4: 258–259, f. 236. 1923 syn. sec. Majure & al. (2017)
- = *Opuntia turgida* Small ex Britton & Rose, *Cactaceae* 4: 265. 1923 syn. sec. Majure & al. (2017)
- = *Opuntia atrocapersis* Small, *Man. S.E. Fl.*: 905, 1506. 1933 syn. sec. Majure & al. (2017)
- = *Opuntia cumulicola* Small, *Man. S.E. Fl.*: 907, 1506. 1933 syn. sec. Majure & al. (2017)
- = *Opuntia nitens* Small, *Man. S.E. Fl.*: 906. 1933 syn. sec. Majure & al. (2017)
- = *Opuntia polycarpa* Small, *Man. S.E. Fl.*: 906, 1506. 1933 syn. sec. Majure & al. (2017)
- Opuntia azurea* Rose in *Contr. U.S. Natl. Herb.* 12(7): 291, t. 24, f. 33. 1909.** Sec. Powell & Weedin (2004)
- ≡ *Opuntia macrocentra* subsp. *azurea* (Rose) Guiggi in *Cactology* 3 (Suppl. II): 3. 2012 syn. sec. Powell & Weedin (2004)
- Opuntia azurea* var. *azurea*.** Sec. Powell & Weedin (2004)
- Opuntia azurea* var. *diplopurpurea* A.M.Powell & Weedin, *Cacti Trans-Pecos*: 130. 2004.** Sec. Powell & Weedin (2004)
- Opuntia azurea* var. *discolor* Weedin, *Cacti Trans-Pecos*: 139. 2004.** Sec. Powell & Weedin (2004)
- Opuntia azurea* var. *parva* A.M.Powell & Weedin, *Cacti Trans-Pecos*: 134. 2004.** Sec. Powell & Weedin (2004)
- Opuntia bahamana* Britton & Rose, *Cactaceae* 1: 203. 1919.** Sec. Majure & al. (2012)
- ≡ *Consolea bahamana* (Britton & Rose) A.Berger, *Entwicklungslin. Kakt.*: 94. 1926
- Opuntia basilaris* Engelm. & J.M.Bigelow in *Proc. Amer. Acad. Arts* 3: 298–299. 1856.** Sec. Parfitt & Gibson (2003)
- = *Opuntia basilaris* var. *albiflora* Walton in *Cact. J. (London)* 2: 163. 1899 syn. sec. Kew WCVP (2019)
- = *Opuntia basilaris* var. *cordata* Fobe in *Monatsschr. Kakteenk.* 16: 46. 1906 syn. sec. Kew WCVP (2019)
- = *Opuntia treleasei* var. *kernii* Griffiths & Hare in *Bull. New Mexico Agric. Exp. Sta.* 60: 81. 1906 syn. sec. Kew WCVP (2019)
- = *Opuntia humistrata* Griffiths in *Bull. Torrey Bot. Club* 43(2): 83–84. 1916 syn. sec. Tropicos ≡ *Opuntia basilaris* var. *humistrata* (Griffiths) W.T.Marshall in Marshall & Bock, *Cactaceae*: 65. 1941 syn. sec. Kew WCVP (2019) ≡ *Opuntia brachyclada* subsp. *humistrata* (Griffiths) Wiggins & C.B.Wolf, III. *Fl. Pacific States* 3: 148. 1951 syn. sec. Tropicos
- = *Opuntia intricata* Griffiths in *Proc. Biol. Soc. Wash.* 29: 10. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia whitneyana* E.M.Baxter, *Calif. Cactus*: 37. 1935 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia basilaris* var. *whitneyana* (E.M.Baxter) W.T.Marshall & T.M.Bock, *Cactaceae*: 65. 1941 syn. sec. Kew WCVP (2019) ≡ *Opuntia basilaris* subsp. *whitneyana* (E.M.Baxter) Munz, *Aliso* 4: 94. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia whitneyana* var. *albiflora* E.M.Baxter, *Calif. Cactus*: 39. 1935 syn. sec. Kew WCVP (2019) ≡ *Opuntia basilaris* var. *albiflora* (E.M.Baxter) W.T.Marshall & T.M.Bock, *Cactaceae*: 65. 1941, nom. illeg. syn. sec. Kew WCVP (2019)
- Opuntia basilaris* var. *basilaris*.** Sec. Parfitt & Gibson (2003)
- = *Opuntia basilaris* var. *ramosa* Parish in *Bull. Torrey Bot. Club* 19(3): 92–93. 1892 syn. sec. Parfitt & Gibson (2003)
- Opuntia basilaris* var. *brachyclada* (Griffiths) Munz, *Man. S. Calif. Bot.*: 599. 1935.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia brachyclada* Griffiths in *Proc. Biol. Soc. Wash.* 27(6): 25. 1914 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia basilaris* subsp. *brachyclada* (Griffiths) Guiggi in *Succulent* 2008(1): 7. 2008 syn. sec. Korotkova (2021)
- Opuntia basilaris* var. *heilii* S.L.Welsh & Neese in *Great Basin Naturalist* 43: 700. 1983.** Sec. Majure
- Opuntia basilaris* var. *longiareolata* (Clover & Jotter) L.D.Benson, *Cacti Ariz.*, ed. 2: 43. 1950.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia longiareolata* Clover & Jotter in *Bull. Torrey Bot. Club* 68(6): 418–419, f. 6. 1941 syn. sec. Parfitt & Gibson (2003)
- Opuntia basilaris* var. *treleasei* (J.M.Coult.) J.M.Coult. ex Toumey in *Bailey, Cycl. Amer. Hort.* 3: 1147. 1901.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia treleasei* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(7): 434–435. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia basilaris* subsp. *treleasei* (J.M.Coult.) Guiggi in *Succulent* 2008(1): 7. 2008 syn. sec. Kew WCVP (2019)
- Opuntia boldinghii* Britton & Rose, *Cactaceae* 1: 155. 1919.** Sec. Hunt (2016)

***Opuntia bonaerensis* Speg., Contr. Fl. Tandil: 18. 1901.** Sec. Hunt (2016)

≡ *Opuntia elata* subsp. *bonaerensis* (Speg.) Guiggi in Cactology 5 (Suppl. V): 1. 2017 syn. sec. Korotkova (2021)

***Opuntia bonplandii* (Kunth) F.A.C.Weber, Dict. Hort: 894. 1893.** Sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

≡ *Cactus bonplandii* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 69. 1823 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Opuntia beckeriana* K.Schum., Gesamtbeschr. Kakt.: 722. 1898 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

***Opuntia bravoana* Baxter in Anales Inst. Biol. Univ. Nac. Mexico 4: 149. 1933.** Sec. Hunt (2016)

***Opuntia canterae* Arechav. in Anales Mus. Nac. Montevideo 5: 278. 1905.** Sec. Köhler & Majure (2020)

***Opuntia caracassana* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 238. 1850.** Sec. Hunt (2016)

= *Opuntia tunoides* Britton & Shafer ex Bold., Fl. Dutch. W. Ind. Is. 2: 81. 1914 syn. sec. Britton & Rose (1919)

= *Opuntia wentiana* Britton & Rose, Cactaceae 1: 116. 1919 syn. sec. Hunt (2016)

= *Opuntia bisetosa* Pittier in J. Wash. Acad. Sci. 26: 42. 1936 syn. sec. Hunt (2016)

***Opuntia* ×*carstenii* R.Puente & C.Hamann in Cact. Succ. J. (Los Angeles) 77: 231. 2005.** Sec. Korotkova (2021)

***Opuntia* ×*cervicornis* Späth, Cat. 1906-1907: 156. 1907.** Sec. Korotkova (2021)

***Opuntia cespitosa* Raf. in Seringe, Bull. Bot.: 216. 1830.** Sec. Majure & al. (2017)

= *Opuntia rafinesquei* var. *microsperma* Engelm. in Proc. Amer. Acad. Arts 3: 295. 1856 syn. sec. Majure & al. (2017) ≡

Opuntia mesacantha var. *microsperma* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 429. 1896 syn.

sec. Majure & al. (2017) ≡ *Opuntia humifusa* var. *microsperma* A.Heller, Cat. N. Amer. Pl., ed. 2: 8. 1900 syn. sec. Majure &

al. (2017) ≡ *Opuntia compressa* var. *microsperma* L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 250. 1944 syn. sec. Majure & al. (2017)

= *Opuntia rafinesquei* var. *minor* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. 4: 55. 1856 syn. sec. Majure & al. (2017) ≡

Opuntia mesacantha var. *parva* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 429. 1896, nom. illeg. syn. sec. Majure & al. (2017)

≡ *Opuntia humifusa* var. *parva* A.Heller, Cat. N. Amer. Pl., ed. 2: 8. 1900, nom. illeg. syn. sec. Majure & al. (2017) ≡ *Opuntia*

humifusa subsp. *minor* (Engelm.) R.Crook & Mottram in Bradleya 16: 135. 1998 syn. sec. Majure & al. (2017)

= *Opuntia vulgaris* var. *rafinesquei* A.Gray, Manual, ed. 2: 136. 1856 syn. sec. Kew WCVP (2019)

= *Opuntia rafinesquei* var. *arkansana* Engelm. ex Rümpler, Handb. Cacteenk., ed. 2: 922. 1885 syn. sec. Kew WCVP (2019) ≡

Opuntia rafinesquei f. *arkansana* (Engelm. ex Rümpler) Schelle, Handb. Kakteenkult.: 50. 1907 syn. sec. Kew WCVP (2019)

= *Opuntia humifusa* f. *jeollaensis* E.J.Kim & S.S.Whang in Korean J. Pl. Taxon. 44: 185. 2014 syn. sec. Majure (2021)

***Opuntia chaffeyi* Britton & Rose in Contr. U.S. Natl. Herb. 16: 241. 1913.** Sec. Hunt (2016)

≡ *Plutonopuntia chaffeyi* (Britton & Rose) P.V.Heath in Calyx 6: 41. 1999

***Opuntia* ×*charlestonensis* Clokey in Madroño 7: 71. 1943.** Sec. Kew WCVP (2019)

≡ *Opuntia phaeacantha* var. *charlestonensis* (Clokey) Backeb., Cactaceae 1: 508. 1958 syn. sec. Kew WCVP (2019)

***Opuntia chisosensis* (M.S.Anthony) D.J.Ferguson in Cact. Succ. J. (Los Angeles) 58(3): 124. 1986.** Sec. Hernández & al. (2014)

≡ *Opuntia lindheimeri* var. *chisosensis* M.S.Anthony in Amer. Midl. Naturalist 55(1): 252–253, f. 26. 1956 syn. sec. Hernández & al. (2014)

***Opuntia chlorotica* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 291-292. 1856.** Sec. Parfitt & Gibson (2003)

= *Opuntia tidballii* J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4(5): 11. 1857 syn. sec. Kew WCVP (2019) – *Opuntia tidbaldi* J.M.Bigelow in Pacif. Railr. Rep. 4: 11. 1856 syn. sec. TPL (2013) [is misspelling for *Opuntia tidballii* J.M.Bigelow]

= *Opuntia palmeri* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 423. 1896 syn. sec. Tropicicos

***Opuntia clarkiorum* Rebman in Madroño 62: 63. 2015.** Sec. Kew WCVP (2019)

***Opuntia cochenillifera* (L.) Mill., Gard. Dict., ed. 8: Opuntia No. 6. 1768 [as "*cochinelifera*"].** Sec. Hunt (2016)

≡ *Cactus cochenillifer* L., Sp. Pl.: 468. 1753 ≡ *Nopalea cochenillifera* (L.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 64. 1850 syn. sec. Hunt (2016)

= *Opuntia magnifolia* Noronha in Verh. Batav. Genootsch. Kunsten 5(4): 22. 1790 syn. sec. Britton & Rose (1919)

= *Opuntia cochenillifera* DC., Pl. Hist. Succ.: t. 137. 1804, nom. illeg. syn. sec. Hunt (2016)

= *Cactus campechianus* Thierry, Dict. Sci. Nat., ed. 2, 6: 103. 1817 syn. sec. Britton & Rose (1923)

= *Cactus subinermis* Link ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Kew WCVP (2019)

= *Opuntia coccinellifera* Steud., Nomencl. Bot., ed. 2, 2(2-5): 220. 1841 syn. sec. Kew WCVP (2019)

= *Nopalea coccifera* Lem., Cactées: 89. 1868 syn. sec. Tropicicos

= *Nopalea brittonii* Houghton in J. Cact. Succ. Soc. Amer. 1(5): 4. 1929 syn. sec. Kew WCVP (2019)

= *Nopalea nuda* Backeb., Cactaceae 6: 3629. 1962 syn. sec. Hunt (2016) ≡ *Opuntia nuda* (Backeb.) G.D.Rowley in Repert. Pl.

Succ. 22: 11. 1973 syn. sec. IPNI

– *Opuntia cochinelifera* (L.) Mill., Gard. Dict., ed. 8: Opuntia No. 6. 1768 [is orthographic variant for *Opuntia cochenillifera* (L.) Mill.]

– *Nopalea brittonii* var. *variegata* Houghton in J. Cact. Succ. Soc. Amer. 1(5): 4. 1929, nom. inval. syn. sec. Kew WCVP (2019)

***Opuntia* ×*cochineria* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 263–264, t. 26. 1908.** Sec. Korotkova (2021)

***Opuntia* ×*coloradensis* D.J.Barnett & Donnie Barnett, Cact. Colorado: 201. 2016.** Sec. Kew WCVP (2019)

- Opuntia colubrina* A.Cast. in Lilloa 27: 81, f. 1. 1955.** Sec. Realini & al. (2015)
 ≡ *Austrocylindropuntia colubrina* (A.Cast.) Backeb., *Cactaceae* 1: 156. 1958 syn. sec. Köhler (2021)
- Opuntia* ×*columbiana* Griffiths in Bull. Torrey Bot. Club 43(10): 523–524. 1916.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia erinacea* var. *columbiana* (Griffiths) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(3): 124. 1969 syn. sec. Parfitt & Gibson (2003)
- Opuntia comonduensis* (J.M.Coult.) Britton & Rose in Smithsonian Misc. Collect. 50: 519. 1908.** Sec. Majure
 ≡ ?*Opuntia angustata* var. *comonduensis* J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(7): 425. 1896 syn. sec. Majure
- Opuntia crystalenia* Griffiths in Bull. Torrey Bot. Club 43: 528. 1916.** Sec. Guzmán Cruz & al. (2003)
- Opuntia cubensis* Britton & Rose in Torreya 12(1): 14. 1912.** Sec. Parfitt & Gibson (2003)
 = *Opuntia antillana* Britton & Rose in *Brooklyn Bot. Gard. Mem.* 1: 73. 1918 syn. sec. Parfitt & Gibson (2003)
 = *Opuntia domingensis* Britton & Rose, *Cactaceae* 4: 259. 1923 syn. sec. Tropicos
 = *Opuntia ekmanii* Werderm. in *Repert. Spec. Nov. Regni Veg.* 29: 225. 1931 syn. sec. Majure (2021)
- Opuntia cuija* (Griffiths & Hare) Britton & Rose in Smithsonian Misc. Collect. 50: 529. 1908.** Sec. Majure (2021)
 ≡ *Opuntia engelmannii* var. *cuija* Griffiths & Hare in *New Mexico Agric. Exp. Sta. Bull.* 60: 44, t. 2. 1906 syn. sec. Majure (2021) ≡ *Opuntia lindheimeri* var. *cuija* (Griffiths & Hare) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(3): 125. 1969 syn. sec. Majure (2021)
- Opuntia curassavica* (L.) Mill., Gard. Dict., ed. 8: Opuntia No. 7. 1768.** Sec. Hunt (2016)
 ≡ *Cactus curassavicus* L., *Sp. Pl.*: 469. 1753 ≡ *Terecaulis curassavicus* (L.) Berge, *Buch der Welt*: 91. 1842 syn. sec. Crook & Mottram (1997)
 = *Opuntia curassavica* var. *longa* Haw., *Saxifrag. Enum.* 2: 71. 1821 syn. sec. Kew WCVF (2019)
 = *Opuntia hattoniana* Britton & Rose, *Rep. Prickly Pear Comm.*: 97. 1914 syn. sec. Kew WCVF (2019)
 = *Opuntia curassavica* var. *colombiana* Backeb., *Descr. Cact. Nov.* 1: 10. 1957 ["1956"] syn. sec. Kew WCVF (2019)
- Opuntia curvispina* Griffiths in Bull. Torrey Bot. Club 43: 88. 1916.** Sec. Baker & al. (2017)
- Opuntia cymochila* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 295–296. 1856.** Sec. Majure (2017)
 ≡ *Opuntia mesacantha* var. *cymochila* (Engelm. & J.M.Bigelow) J.M.Coult. in *Contr. U.S. Natl. Herb.* 3(7): 430. 1896 syn. sec. Majure (2017) ≡ *Opuntia rafinesquei* f. *cymochila* (Engelm. & J.M.Bigelow) Schelle, *Handb. Kakteenkult.*: 50. 1907 syn. sec. Majure (2017) ≡ *Opuntia tortispina* var. *cymochila* (Engelm. & J.M.Bigelow) Backeb., *Cactaceae* 1: 483. 1958 syn. sec. Majure (2017)
- Opuntia deamii* Rose in Contr. U.S. Natl. Herb. 13(9): 309–310, t. 65. 1911.** Sec. Hunt (2016)
- Opuntia* ×*debreczyi* Szutorisz in Kaktusz Vilag 26: 115. 2002.** Sec. Kew WCVF (2019)
- Opuntia decumbens* Salm-Dyck, Hort. Dyck.: 361. 1834.** Sec. Hunt (2016)
 = *Opuntia repens* Karw. ex Salm-Dyck, *Hort. Dyck.*: 361. 1834 syn. sec. Majure (2021)
 = *Opuntia decumbens* var. *longispina* Eichlam in *Monatsschr. Kakteenk.* 21: 116. 1911 syn. sec. Kew WCVF (2019)
 = *Opuntia maxonii* G.J.Ortega, *Apuntes Fl. Indig. Sinaloa, Fam. Cact. C*: 11. 1929 syn. sec. Tropicos
 = *Opuntia decumbens* var. *scheinvariana* E.Paniagua syn. sec. Tropicos
- Opuntia dejecta* Salm-Dyck, Hort. Dyck.: 361. 1834.** Sec. Hunt (2016)
 ≡ *Nopalea dejecta* (Salm-Dyck) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 64. 1850 syn. sec. Salm-Dyck (1834)
 = *Opuntia diffusa* Pfeiff., *Enum. Diagn. Cact.*: 159. 1837 syn. sec. Kew WCVF (2019)
 = *Opuntia horizontalis* Gillies ex Pfeiff., *Enum. Diagn. Cact.*: 145. 1837 syn. sec. Kew WCVF (2019)
- Opuntia delafuentiana* Martínez-Gonz., Luna-Vega, Gallegos & García-Sand. in Phytotaxa 231: 233. 2015.** Sec. Martínez-González & al. (2015)
- Opuntia* ×*demissa* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 29–30, pl. 8. 1912.** Sec. Kew WCVF (2019)
- Opuntia depauperata* Britton & Rose, Cactaceae 1: 101. 1919.** Sec. Porras-Flórez & al. (2017)
- Opuntia depressa* Rose in Smithsonian Misc. Collect. 50: 517. 1908.** Sec. Hunt (2016)
- Opuntia discolor* Britton & Rose, Cactaceae 1: 218. 1919.** Sec. Kiesling & al. (2014)
 ≡ *Platyopuntia discolor* (Britton & Rose) F.Ritter, *Kakteen Südamerika* 2: 497. 1980 syn. sec. Kiesling & al. (2014)
- Opuntia drummondii* Graham in Botanist 5: pl. 246. 1846.** Sec. Majure & al. (2017)
 = *Opuntia pes-corvi* Leconte ex Engelm. in *Proc. Amer. Acad. Arts* 3: 346. 1857 syn. sec. Majure & al. (2017)
 = *Opuntia frustulenta* Gibbes in *Proc. Elliott Soc. Nat. Hist. Charleston* 1: 273. 1859 syn. sec. Majure & al. (2017)
 = ?*Opuntia pescorvae* Leconte ex Chapman, *Fl. South. U.S.*: 145. 1860 syn. sec. Berendsohn (2020)
 = *Opuntia tracyi* Britton in *Torreya* 11: 152. 1911 syn. sec. Majure & al. (2017)
- Opuntia echios* Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 49. 1933.** Sec. Anderson & Walkington (1971)
- Opuntia echios* var. *barringtonensis* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 104. 1962.** Sec. Anderson & Walkington (1971)
 ≡ *Opuntia galapageia* subvar. *barringtonensis* (E.Y.Dawson) Backeb., *Kakteenlex.*: 317. 1966 syn. sec. Anderson & Walkington (1971)

***Opuntia echios* var. *echios*. Sec. Köhler (2021)**

= *Opuntia galapageia* var. *echios* Backeb., Cactaceae 1: 561. 1958, nom. illeg. syn. sec. Köhler (2021)

= *Opuntia echios* var. *prolifera* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 104. 1962 syn. sec. Köhler (2021) ≡ *Opuntia galapageia* subvar. *prolifera* (E.Y.Dawson) Backeb., Kakteenlex.: 317. 1966 syn. sec. Köhler (2021)

***Opuntia echios* var. *gigantea* Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 51. 1933. Sec. Anderson & Walkington (1971)**

***Opuntia echios* var. *inermis* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 34: 103. 1962. Sec. Anderson & Walkington (1971)**

≡ *Opuntia galapageia* subvar. *inermis* (E.Y.Dawson) Backeb., Kakteenlex.: 317. 1966 syn. sec. Anderson & Walkington (1971)

***Opuntia echios* var. *zacana* (J.T.Howell) E.F.Anderson & Walk. in Madroño 20: 256. 1970. Sec. Anderson & Walkington (1971)**

≡ *Opuntia zacana* J.T.Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 48. 1933 syn. sec. Anderson & Walkington (1971) ≡ *Opuntia galapageia* var. *zacana* Backeb., Cactaceae 1: 562. 1958 syn. sec. Anderson & Walkington (1971) ≡ *Opuntia galapageia* subsp. *zacana* (J.T.Howell) Guiggi in Cactology 5 (Suppl. 8): 12. 2020 syn. sec. Anderson & Walkington (1971)

Opuntia* × *edwardsii* V.E.Grant & K.A.Grant in Bot. Gaz. 140(2): 205. 1979. Sec. Hunt (2016)**Opuntia eichlamii* Rose in Contr. U.S. Natl. Herb. 13(9): 310, t. 66. 1911. Sec. Hernández & al. (2014)*****Opuntia elata* Link & Otto ex Salm-Dyck, Hort. Dyck.: 361. 1834. Sec. Hunt (2006)**

= *Opuntia elata* var. *oblongata* E.Walther in J. Cact. Succ. Soc. Amer. 1: 204. 1930 syn. sec. Kew WCVP (2019)

***Opuntia elata* var. *cardiosperma* (K.Schum.) R.Kiesling, Fl. II. Entre Ríos IVB: 412. 2005. Sec. Köhler (2021)**

≡ *Opuntia cardiosperma* K.Schum. in Monatsschr. Kakteenk. 9: 150. 1899 syn. sec. Köhler (2021) ≡ *Platyopuntia cardiosperma* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 246. 1979 syn. sec. Köhler (2021)

= *Opuntia mieckleyi* K.Schum., Blüh. Kakteen 3: t. 44. 1903 syn. sec. Köhler (2021)

= *Opuntia elata* var. *delatiana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 392. 1904 syn. sec. Köhler (2021) ≡ *Opuntia*

elata var. *delatiana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 392. 1904 syn. sec. Köhler (2021) ≡ *Opuntia delatiana* (F.A.C.Weber) Vaupel, Blüh. Kakteen 37: t. 148. 1913 syn. sec. Köhler (2021)

= *Opuntia chakensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 519. 1905 syn. sec. Köhler (2021)

= *Opuntia alko-tuna* Cárdenas in Lilloa 23: 23. 1950 syn. sec. Köhler (2021)

= *Platyopuntia limitata* F.Ritter, Kakteen Südamerika 1: 245. 1979 syn. sec. Köhler (2021) ≡ *Opuntia limitata* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Köhler (2021)

***Opuntia elata* var. *elata*. Sec. Köhler (2021)**

= *Opuntia grosseana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 391. 1904 [as "*grosseiana*"] syn. sec. Köhler (2021) – *Opuntia grosseiana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 391. 1904 syn. sec. Köhler (2021) [is orthographic variant for *Opuntia grosseana* F.A.C.Weber] – *Opuntia grosseiana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 391. 1904 syn. sec. TPL (2013) [is misspelling for *Opuntia grosseana* F.A.C.Weber]

= *Platyopuntia rubrogemma* F.Ritter, Kakteen Südamerika 1: 33. 1979 syn. sec. Köhler (2021) ≡ *Opuntia viridirubra* subsp. *rubrogemma* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Köhler (2021)

= *Platyopuntia interjecta* F.Ritter, Kakteen Südamerika 2: 499. 1980 syn. sec. Köhler (2021) ≡ *Opuntia viellinflora* subsp. *interjecta* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 133. 1995 syn. sec. Köhler (2021)

= *Platyopuntia pyrghantha* F.Ritter, Kakteen Südamerika 2: 497. 1980 syn. sec. Köhler (2021) ≡ *Opuntia pyrghantha* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Köhler (2021)

***Opuntia elatior* Mill., Gard. Dict., ed. 8: Opuntia No. 4. 1768. Sec. Hunt (2016)**

≡ *Cactus tuna* var. *elatior* (Mill.) Sims in Bot. Mag. 38: t. 1557. 1813 syn. sec. Kew WCVP (2019) ≡ *Cactus elatior* (Mill.) Willd., Enum. Pl., Suppl.: 84. 1814 syn. sec. Britton & Rose (1919)

= *Cactus nigricans* Haw., Misc. Nat.: 187. 1803 syn. sec. Hunt (2016) ≡ *Opuntia nigricans* (Haw.) Haw., Syn. Pl. Succ.: 189. 1812 syn. sec. Hunt (2016) ≡ *Cactus tuna* var. *nigricans* (Haw.) Sims in Bot. Mag. 38: t. 1557. 1813 syn. sec. Kew WCVP (2019)

= *Opuntia bergeriana* F.A.C.Weber ex A.Berger in Gard. Chron., ser. 3, 35: 34. 1904 syn. sec. Hunt (2016)

Opuntia* × *elisae* D.Guillot & P.Van der Meer, Toll Negre 3: 9. 2004. Sec. Korotkova (2021)**Opuntia elizondoana* E.Sánchez & Villaseñor in Acta Bot. Mex. 27: 1. 1994. Sec. Hernández & al. (2014)*****Opuntia ellisiana* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 170–171, pl. 25. 1910. Sec. Parfitt & Gibson (2003)**

≡ *Opuntia lindheimeri* var. *ellisiana* (Griffiths) K.Hammer in Kulturpflanze 24: 268. 1976 syn. sec. Parfitt & Gibson (2003)

***Opuntia engelmannii* Salm-Dyck ex Engelm. in Boston J. Nat. Hist. 6(2): 207–208. 1850. Sec. Parfitt & Gibson (2003)**

= *Opuntia engelmannii* subsp. *occidentalis* Engelm. in Proc. Amer. Acad. Arts 3: 291. 1856 syn. sec. Kew WCVP (2019) ≡ *Opuntia engelmannii* f. *occidentalis* (Engelm.) Schelle, Handb. Kakteenkult.: 52. 1907 syn. sec. Kew WCVP (2019)

= *Opuntia microcarpa* K.Schum., Gesamtbeschr. Kakt.: 714. 1898 syn. sec. Kew WCVP (2019)

= *Opuntia cantabrigiensis* Lynch in Gard. Chron., ser. 3, 33: 98. 1903 syn. sec. Hunt (2016) ≡ *Opuntia lindheimeri* subsp. *cantabrigiensis* (Lynch) Guiggi in Cactology 3: 8. 2012 syn. sec. Kew WCVP (2019)

= *Opuntia megacarpa* Griffiths, Ill. Stud. Opuntia: 91, pl. 2, f. 3, pl. 13, f. 10. 1909 syn. sec. Tropicos ≡ *Opuntia engelmannii*

var. *megacarpa* (Griffiths) Fosberg in Bull. S. Calif. Acad. Sci. 33(2): 100. 1934 syn. sec. Tropicos ≡ *Opuntia occidentalis* var. *megacarpa* (Griffiths) Munz, Aliso 4(1): 94. 1958 syn. sec. Tropicos ≡ *Opuntia* × *occidentalis* var. *megacarpa* (Griffiths) Munz in Aliso 4: 94. 1958 syn. sec. Parfitt & Gibson (2003)

= *Opuntia riparia* Griffiths in Proc. Biol. Soc. Wash. 27: 26. 1914 syn. sec. Kew WCVP (2019)

- = *Opuntia valida* Griffiths in Proc. Biol. Soc. Wash. 27: 24. 1914 syn. sec. Kew WCV (2019)
- = *Opuntia caesia* Griffiths in Proc. Biol. Soc. Wash. 29: 13. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia expansa* Griffiths in Proc. Biol. Soc. Wash. 29: 14. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia magnarenensis* Griffiths in Proc. Biol. Soc. Wash. 29: 9. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia pyrocarpa* Griffiths in Bull. Torrey Bot. Club 43: 90. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia flavescens* Peebles in Cact. Succ. J. (Los Angeles) 9: 67. 1937 syn. sec. Tropicos ≡ *Opuntia engelmannii* var. *flavescens* (Peebles) L.D.Benson, Cacti Ariz., ed. 2: 58. 1950 syn. sec. Tropicos
- = *Opuntia bensonii* Sánchez-Mej. in Cact. Suc. Mex. 17(2): 47, f. 40. 1972 syn. sec. Hunt (2016)
- = *Opuntia neochrysacantha* Bravo in Cact. Suc. Mex. 19(1): 20. 1974 syn. sec. Hunt (2016)
- Opuntia engelmannii* var. *engelmannii*.** Sec. Parfitt & Gibson (2003)
- = *Opuntia cacanapa* Griffiths & Hare in New Mexico Agric. Exp. Sta. Bull. 60: 47. 1906 syn. sec. Tropicos ≡ *Opuntia engelmannii* var. *cacanapa* (Griffiths & Hare) D.Weniger, Cacti S. W.: 177. 1970 syn. sec. Tropicos
- = *Opuntia discata* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 266–267, pl. 27. 1908 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia engelmannii* var. *discata* (Griffiths) A.Nelson in Trans. Acad. Sci. St. Louis 12: 124. 1919 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia phaeacantha* var. *discata* (Griffiths) L.D.Benson & Walk. in Ann. Missouri Bot. Gard. 52(3): 265. 1965 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia arizonica* Griffiths in Rep. (Annual) Missouri Bot. Gard. 20: 93. 1909 syn. sec. Majure (2021)
- = *Opuntia dillei* Griffiths, Ill. Stud. Opuntia: 82–83. 1909 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia texana* Griffiths, Ill. Stud. Opuntia: 92–93, pl. 9, 13, f. 1. 1909 syn. sec. Tropicos ≡ *Opuntia engelmannii* var. *texana* (Griffiths) D.Weniger, Cacti S. W.: 174. 1970 syn. sec. Tropicos
- = *Opuntia alta* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 165–166, pl. 19, 20. 1910 syn. sec. Tropicos ≡ *Opuntia engelmannii* var. *alta* (Griffiths) D.Weniger, Cacti S. W.: 175. 1970 syn. sec. Tropicos
- = *Opuntia engelmannii* var. *subarmata* (Griffiths) D.Weniger, Cacti S. W.: 180. 1970 syn. sec. Tropicos
- Opuntia engelmannii* var. *flavispina* (L.D.Benson) B.D.Parfitt & Pinkava in Madroño. 35: 348. 1988.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia phaeacantha* var. *flavispina* L.D.Benson in Cact. Succ. J. (Los Angeles) 46(2): 79. 1974 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia engelmannii* subsp. *flavispina* (L.D.Benson) Guiggi in Cactology 3 (Suppl. II): 3. 2012 syn. sec. Korotkova (2021)
- Opuntia engelmannii* var. *flexospina* (Griffiths) B.D.Parfitt & Pinkava in Madroño 35: 348. 1989 ["1988"].** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia flexospina* Griffiths in Bull. Torrey Bot. Club 43: 87. 1916 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia strigii* var. *flexospina* (Griffiths) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 79. 1974 syn. sec. Parfitt & Gibson (2003)
- Opuntia engelmannii* var. *laevis* (J.M.Coult.) Felger, Verrier & Carnahan in Phytoneuron 2017-48: 1. 2017.** Sec. Felger & al. (2017)
- ≡ *Opuntia laevis* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 419. 1896 syn. sec. Felger & al. (2017) ≡ *Opuntia phaeacantha* var. *laevis* (J.M.Coult.) L.D.Benson, Cacti Ariz., ed. 3: 21. 1969 syn. sec. Parfitt & Gibson (2003)
- Opuntia engelmannii* var. *lindheimeri* (Engelm.) B.D.Parfitt & Pinkava in Madroño 35(4): 346–347. 1989 ["1988"].** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia lindheimeri* Engelm. in Boston J. Nat. Hist. 6(2): 207. 1850 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia engelmannii* subsp. *lindheimeri* (Engelm.) U.Guzmán & Mandujano in Cactaceae Syst. Init. 16: 18. 2003
- = *Opuntia haematocarpa* A.Berger in Bot. Jahrb. Syst. 36: 456. 1905 syn. sec. Kew WCV (2019)
- = *Opuntia winteriana* A.Berger in Bot. Jahrb. Syst. 36: 455. 1905 syn. sec. Kew WCV (2019)
- = *Opuntia ferruginispina* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 267. 1908 syn. sec. Kew WCV (2019)
- = *Opuntia subarmata* Griffiths, Ill. Stud. Opuntia: 94. 1909 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia lindheimeri* var. *subarmata* (Griffiths) Elizondo & Wehbe in Cact. Suc. Mex. 32: 17. 1987
- = *Opuntia tricolor* Griffiths, Ill. Stud. Opuntia: 85–86, pl. 4. 1909 syn. sec. Tropicos ≡ *Opuntia lindheimeri* var. *tricolor* (Griffiths) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia gomei* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 167. 1910 syn. sec. Kew WCV (2019)
- = *Opuntia sinclairii* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 173. 1910 syn. sec. Kew WCV (2019)
- = *Opuntia convexa* Mackensen in Bull. Torrey Bot. Club 39: 290. 1912 syn. sec. Kew WCV (2019)
- = *Opuntia cyanella* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 30. 1912 syn. sec. Britton & Rose (1919)
- = *Opuntia gilvoalba* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 35. 1912 syn. sec. Kew WCV (2019)
- = *Opuntia griffithsiana* Mackensen in Bull. Torrey Bot. Club 39: 291. 1912 syn. sec. Kew WCV (2019)
- = *Opuntia reflexa* Mackensen in Bull. Torrey Bot. Club 39: 292. 1912 syn. sec. Kew WCV (2019)
- = *Opuntia tardospina* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 34–35, pl. 11, 15. 1912 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia deltica* Griffiths in Bull. Torrey Bot. Club 43: 84. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia laxiflora* Griffiths in Bull. Torrey Bot. Club 43: 85. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia squarrosa* Griffiths in Bull. Torrey Bot. Club 43: 91. 1916 syn. sec. Kew WCV (2019)
- = *Opuntia lindheimeri* var. *lehmannii* L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Parfitt & Gibson (2003)

***Opuntia engelmannii* var. *linguiformis* (Griffiths) B.D.Parfitt & Pinkava in Madroño 35: 347. 1989 ["1988"].** Sec. Parfitt & Gibson (2003)

≡ *Opuntia linguiformis* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 270. 1908 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia lindheimeri* var. *linguiformis* (Griffiths) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 125. 1969 syn. sec. Parfitt & Gibson (2003)

***Opuntia excelsa* Sánchez-Mej. in Cact. Succ. J. (Los Angeles) 17(3): 67. 1972.** Sec. Hunt (2016)

***Opuntia feracantha* Britton & Rose in Contr. U.S. Natl. Herb. 23(5): 1676. 1926.** Sec. Hunt (2016)

– *Opuntia feroacantha* Britton & Rose in Contr. U.S. Natl. Herb. 23: 1676. 1926 syn. sec. Hunt (2016) [is orthographic variant for *Opuntia feracantha* Britton & Rose]

***Opuntia ficus-indica* (L.) Mill., Gard. Dict., ed. 8: Opuntia No. 2. 1768.** Sec. Majure & al. (2012)

≡ *Cactus ficus-indica* L., Sp. Pl.: 468. 1753 syn. sec. Leuenberger (1991) ≡ *Cactus opuntia* var. *ficus-indica* (L.) DC., Cat. Pl. Horti Monsp.: 13. 1813 syn. sec. Kew WCVP (2019) ≡ *Platyopuntia ficus-indica* (L.) F.Ritter, Kakteen Südamerika 2: 403. 1980 syn. sec. Majure & al. (2012)

= *Opuntia maxima* Mill., Gard. Dict., ed. 8: Opuntia No. 5. 1768

= *Cactus ficus* Thunb., Fl. Jap.: 198. 1784 syn. sec. Kew WCVP (2019)

= *Cactus compressus* Salisb., Prodr. Stirp. Chap. Allerton: 348. 1796, nom. illeg. syn. sec. Leuenberger (1993)

= *Cactus lanceolatus* Haw., Misc. Nat.: 188. 1803 syn. sec. Kew WCVP (2019) ≡ *Opuntia lanceolata* (Haw.) Haw., Syn. Pl. Succ.: 192. 1812 syn. sec. Britton & Rose (1919)

= *Cactus decumanus* Willd., Enum. Pl., Suppl.: 84. 1814 syn. sec. Kew WCVP (2019) ≡ *Opuntia decumana* (Willd.) Haw., Saxifrag. Enum. 2: 71. 1821 syn. sec. Britton & Rose (1919) ≡ *Opuntia ficus-indica* var. *decumana* (Willd.) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 512. 1905 syn. sec. Majure & al. (2012) ≡ *Opuntia ficus-indica* f. *decumana* (Willd.) Schelle, Handb. Kakteenkult.: 51. 1907

= *Cactus elongatus* Willd., Enum. Pl., Suppl.: 34. 1814 syn. sec. Kew WCVP (2019) ≡ *Opuntia elongata* (Willd.) Haw., Suppl. Pl. Succ.: 81. 1819 syn. sec. Britton & Rose (1919)

= *Opuntia crassa* Haw., Suppl. Pl. Succ.: 81. 1819 syn. sec. Hernández & al. (2014)

= *Cactus maximus* Colla in Mem. Reale Accad. Sci. Torino 33: 140. 1826 syn. sec. Britton & Rose (1923)

= *Cactus opuntia* var. *latifolius* Risso, Hist. Nat. Prod. Eur. Mérid. 2: 172. 1826 syn. sec. Kew WCVP (2019)

= *Opuntia amyclaea* Ten., Fl. Neapol. Prodr. App. 5: 15. 1826 ≡ *Opuntia ficus-indica* f. *amyclaea* (Ten.) Schelle, Handb.

Kakteenkult.: 51. 1907 syn. sec. Korotkova (2021) ≡ *Opuntia ficus-indica* var. *amyclaea* (Ten.) A.Berger, Hort. Mortol.: 411. 1912 syn. sec. Korotkova (2021)

= *Opuntia caespitosa* Raf. in Seringe, Bull. Bot.: 216. 1830 syn. sec. Britton & Rose (1919)

= *Opuntia parvula* Salm-Dyck, Hort. Dyck.: 364. 1834 syn. sec. Korotkova (2021)

= *Opuntia crassa* var. *major* Pfeiff., Enum. Diagn. Cact.: 153. 1837 syn. sec. Korotkova (2021)

= *Opuntia glaberrima* Pfeiff., Enum. Diagn. Cact.: 158. 1837 syn. sec. Korotkova (2021)

= *Opuntia glauca* Pfeiff., Enum. Diagn. Cact.: 153. 1837 syn. sec. Korotkova (2021)

= *Opuntia mexicana* Pfeiff., Enum. Diagn. Cact.: 150. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia umbrella* Steud., Nomencl. Bot., ed. 2, 2(2-5): 222. 1841 syn. sec. Britton & Rose (1919)

= *Opuntia alfagayucca* Karw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 68. 1845 syn. sec. Britton & Rose (1919)

= *Opuntia elongata* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 242. 1850 syn. sec. Korotkova (2021)

= *Opuntia megacantha* var. *tenuispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 68. 1850 syn. sec. Kew WCVP (2019)

= *Opuntia arkansana* Engelm. ex Hirscht in Monatsschr. Kakteenk. 8: 115. 1898 syn. sec. Britton & Rose (1919)

= *Opuntia gymnocarpa* F.A.C.Weber, Dict. Hort.: 893. 1898 syn. sec. Britton & Rose (1919) ≡ *Opuntia ficus-indica* var. *gymnocarpa* (F.A.C.Weber) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 512. 1905 syn. sec. Britton & Rose (1919) ≡ *Opuntia ficus-indica* f. *gymnocarpa* (F.A.C.Weber) Schelle, Kakteen: 66. 1926

= *Opuntia labouretiana* K.Schum., Gesamtbeschr. Kakt.: 717. 1898 syn. sec. Britton & Rose (1919)

= *Opuntia paraguayensis* K.Schum. in Monatsschr. Kakteenk. 9: 149. 1899 syn. sec. Majure & al. (2012)

= *Opuntia cordobensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 513. 1905 syn. sec. Kiesling & al. (2014) ≡

Platyopuntia cordobensis (Speg.) F.Ritter, Kakteen Südamerika 2: 403. 1980 syn. sec. Kiesling & al. (2014)

= *Opuntia ficus-indica* var. *elongata* Schelle, Handb. Kakteenkult.: 51. 1907 syn. sec. Kew WCVP (2019)

= *Opuntia fusicaulis* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 271. 1908 syn. sec. Kew WCVP (2019)

= *Opuntia ficus-barbarica* A.Berger in Monatsschr. Kakteenk. 22: 181. 1912

= *Opuntia tribuloides* Griffiths in Monatsschr. Kakteenk. 23: 137. 1913 syn. sec. Kew WCVP (2019)

= *Opuntia undosa* Griffiths in Monatsschr. Kakteenk. 23: 139. 1913 syn. sec. Britton & Rose (1919)

= *Opuntia obovata* Griffiths in Bull. Torrey Bot. Club 46: 202. 1919 syn. sec. Kew WCVP (2019)

= *Opuntia compressa* J.F.Macbr. in Contr. Gray Herb. 65: 41. 1922 syn. sec. Leuenberger (1993)

= *Opuntia tuna-blanca* Speg. in Anales Soc. Ci. Argent. 99: 107. 1925 syn. sec. Tropicós

= *Opuntia ficus-indica* var. *saboten* Makino in J. Jap. Bot. 7: 6. 1931 syn. sec. Kew WCVP (2019)

= *Opuntia ficus-indica* f. *reticulata* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Platyopuntia apurimacensis* F.Ritter, Kakteen Südamerika 4: 1257. 1981 syn. sec. Hunt (2006) ≡ *Opuntia apurimacensis* (F.Ritter) R.Crook & Mottram in Bradleya 13: 100. 1995 syn. sec. Hunt (2016)

= *Opuntia leiascheinvariana* Martínez-Gonz. & Gallegos in Bot. Sci. 93: 519. 2015 syn. sec. Kew WCVP (2019)

= *Cactus opuntia* L., Sp. Pl.: 468. 1753 syn. sec. Leuenberger (1993) – *Opuntia opuntia* (L.) H.Karst., Deutsche Fl.: 888. 1882, nom. inval. syn. sec. Tropicós

– *Opuntia leucostata* J.Forbes, Hort. Tour Germ.: 160. 1837, nom. inval. syn. sec. Kew WCVP (2019)

***Opuntia fragilis* (Nutt.) Haw., Suppl. Pl. Succ.: 82–83. 1819.** Sec. Parfitt & Gibson (2003)

≡ *Cactus fragilis* Nutt., Gen. N. Amer. Pl. 1: 296–297. 1818 syn. sec. Parfitt & Gibson (2003) ≡ *Terecaulis fragilis* (Nutt.) Berge, Buch der Welt: 91. 1842 syn. sec. Crook & Mottram (1997)

= *Opuntia sabini* Pfeiff., Enum. Diagn. Cact.: 147. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia brachyartha* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 302. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia fragilis* var. *brachyartha* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 440. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia fragilis* f. *brachyartha* (Engelm. & J.M.Bigelow) Schelle, Handb. Kakteenkult.: 56. 1907 syn. sec. Kew WCVP (2019) ≡ *Opuntia fragilis* subsp. *brachyartha* (Engelm. & J.M.Bigelow) F.A.C.Weber in Phytologia 51: 374. 1982 syn. sec. Kew WCVP (2019)

= *Opuntia fragilis* var. *caespitosa* L.H.Bailey, Stand. Cycl. Hort. 4: 2363. 1916 syn. sec. Kew WCVP (2019)

= *Opuntia fragilis* var. *tuberiformis* L.H.Bailey, Stand. Cycl. Hort. 4: 2363. 1916 syn. sec. Kew WCVP (2019)

= *Tunas fragilis* Nieuwl. & Lunell in Amer. Midl. Naturalist 4: 479. 1916 syn. sec. Kew WCVP (2019)

= *Opuntia fragilis* var. *denudata* E.F.Wiegand & Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Opuntia fragilis* var. *parviconspicua* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

***Opuntia fuliginosa* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 262–263, t. 25. 1908.** Sec. Hunt (2016)

***Opuntia galapageia* Hemsl. in Mag. Zool. Bot. 1: 467. 1837.** Sec. Anderson & Walkington (1971)

***Opuntia galapageia* var. *galapageia*.** Sec. Köhler (2021)

= *Opuntia myriacantha* F.A.C.Weber, Dict. Hort. 2: 894. 1898 syn. sec. Köhler (2021) ≡ *Opuntia galapageia* var. *myriacantha* (F.A.C.Weber) Backeb., Cactaceae 1: 561. 1958 syn. sec. Köhler (2021) ≡ *Opuntia galapageia* subsp. *myriacantha* (F.A.C.Weber) Guiggi in Cactology 5 (Suppl. 8): 11. 2020 syn. sec. Köhler (2021)

= *Opuntia echios* subsp. *gigantea* J.T.Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 51. 1933 syn. sec. Köhler (2021)

= *Opuntia galapageia* var. *gigantea* Backeb., Cactaceae 1: 562. 1958 syn. sec. Köhler (2021)

= *Opuntia galapageia* var. *brossettii* Backeb., Kakteenlex.: 317. 1966 syn. sec. Köhler (2021)

***Opuntia galapageia* var. *macrocarpa* E.Y.Dawson in Cact. Succ. J. (Los Angeles) 37: 141. 1965.** Sec. Anderson & Walkington (1971)

***Opuntia galapageia* var. *profusa* E.F.Anderson & Walk. in Madroño 20: 256. 1970.** Sec. Anderson & Walkington (1971)

***Opuntia gallegiana* Scheinvar & Olalde in Novon 23: 332. 2014.** Sec. Kew WCVP (2019)

***Opuntia gaumeri* (Britton & Rose) R.Puente & Majure, Phylogen. Relations. Morphol. Evol. Opuntia: 25. 2014.** Sec. Majure & Puente (2014)

≡ *Nopalea gaumeri* Britton & Rose, Cactaceae 1: 216. 1919 syn. sec. Majure & Puente (2014)

***Opuntia gosseliniana* F.A.C.Weber in Bull. Soc. Natl. Acclim. France 49: 83. 1902.** Sec. Hunt (2016)

≡ *Opuntia chlorotica* var. *gosseliniana* (F.A.C.Weber) D.J.Ferguson in Cact. Succ. J. (Los Angeles) 60: 159. 1988 syn. sec. Kew WCVP (2019) ≡ *Opuntia violacea* var. *gosseliniana* (F.A.C.Weber) L.D.Benson, Cacti Ariz., ed. 3: 21. 1969 syn. sec. Tropicos

= *Opuntia chlorotica* var. *santa-rita* Griffiths & Hare in Bull. New Mexico Agric. Exp. Sta. 60: 64. 1906 syn. sec. Kew WCVP (2019) ≡ *Opuntia santa-rita* (Griffiths & Hare) Rose in Smithsonian Misc. Collect. 52: 195. 1909 syn. sec. Kew WCVP (2019)

≡ *Opuntia gosseliniana* var. *santa-rita* (Griffiths & Hare) L.D.Benson, Cacti Ariz., ed. 2: 65. 1950 syn. sec. Kew WCVP

(2019) ≡ *Opuntia violacea* var. *santa-rita* (Griffiths & Hare) L.D.Benson, Cacti Ariz., ed. 3: 21. 1969 syn. sec. Kew WCVP

(2019) ≡ *Opuntia gosseliniana* subsp. *santa-rita* (Griffiths & Hare) Guiggi in Cactology 3 (Suppl. II): 3. 2012 syn. sec. Kew WCVP (2019)

***Opuntia guatemalensis* Britton & Rose, Cactaceae 1: 218. 1919.** Sec. Hernández & al. (2014)

= *Opuntia salvadorensis* Britton & Rose, Lista Pl. Salvador: 158. 1925 syn. sec. Hernández & al. (2014)

***Opuntia guilanchi* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 265–266. 1908.** Sec. Hunt (2016)

***Opuntia helleri* K.Schum. ex B.L.Rob. in Proc. Amer. Acad. Arts 38: 180. 1902.** Sec. Anderson & Walkington (1971)

≡ *Opuntia galapageia* var. *helleri* Backeb., Cactaceae 1: 562. 1958 syn. sec. Anderson & Walkington (1971)

***Opuntia hitchcockii* G.J.Ortega in Bol. Pro-Cult. Reg. 1: 13. 1930.** Sec. Guzmán Cruz & al. (2003)

***Opuntia hondurensis* Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 9: 316. 1940.** Sec. Hernández & al. (2014)

≡ *Nopalea hondurensis* (Standl.) Rebman in J. Arizona-Nevada Acad. Sci. 34: 45. 2002 syn. sec. Hernández & al. (2014)

***Opuntia howeyi* J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 1925: 61. 1925.** Sec. Guzmán Cruz & al. (2003)

***Opuntia huajuapensis* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 25: 484. 1954.** Sec. Hunt (2016)

***Opuntia humifusa* (Raf.) Raf. in Med. Fl. 2: 247. 1830.** Sec. Hunt (2016)

≡ *Cactus humifusus* Raf. in Ann. Nat.: 15. 1820 ≡ *Opuntia compressa* var. *humifusa* (Raf.) D.Weniger, Cacti S. W.: 202. 1970 syn. sec. Kew WCVP (2019) ≡ *Opuntia humifusa* subsp. *humifusa* ≡ *Opuntia humifusa* var. *humifusa*

= *Opuntia vulgaris* Mill., Gard. Dict., ed. 8. 1768 syn. sec. Leuenberger (1993) ≡ *Cactus opuntia* var. *vulgaris* (Mill.) DC., Cat. Pl. Horti Monsp.: 13. 1813 syn. sec. Kew WCVP (2019) ≡ *Platyopuntia vulgaris* (Mill.) F.Ritter, Kakteen Südamerika 1: 35. 1979 syn. sec. Majure & al. (2012)

= *Opuntia vulgaris* var. *major* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 9. 1822 syn. sec. Kew WCVP (2019)

= *Opuntia vulgaris* var. *media* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 9. 1822 syn. sec. Kew WCVP (2019)

= *Cactus italicus* Ten., Syll. Gen. Sp. Crypt.: 241. 1831 syn. sec. Kew WCVP (2019)

= *Opuntia intermedia* Salm-Dyck, Hort. Dyck.: 364. 1834 syn. sec. Kew WCVP (2019)

= *Opuntia italica* Ten. ex Pfeiff., Enum. Diagn. Cact.: 149. 1837 syn. sec. Tropicos

- = *Cactus italicus* Ten. ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Hunt (2016)
 = *Opuntia prostrata* Monv. & Lem. ex C.F.Först., Handb. Cacteenk.: 478. 1846 syn. sec. Kew WCVP (2019)
 = *Opuntia intermedia* var. *prostrata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 69. 1850 syn. sec. Kew WCVP (2019)
 = *Opuntia rafinesquei* Engelm. in Proc. Amer. Acad. Arts 3: 295. 1856 syn. sec. Tropicos
 = *Opuntia rafinesquiana* Urlandt in Neubert's Deutsch. Gart.-Mag. 40: 156. 1887 syn. sec. Kew WCVP (2019)
 = *Opuntia allairei* Griffiths, Ill. Stud. Opuntia: 83–84, t. 5, t. 2, f. 2, t. 12, upper f., t.13, f. 9. 1909 syn. sec. Tropicos ≡ *Opuntia compressa* var. *allairei* (Griffiths) D.Weniger, Cacti Southwest: 207. 1970 syn. sec. Tropicos
 = *Opuntia rafinesquei* var. *parva* F.Haage & E.Schmidt in Verz. Blumenzeitung 1915: 29. 1915 syn. sec. Kew WCVP (2019)
 = *Opuntia rubiflora* Griffiths in Bull. Torrey Bot. Club 43: 529. 1916 syn. sec. Tropicos
 = *Opuntia calcicola* Wherry in J. Wash. Acad. Sci. 16: 12, f. 1. 1926 syn. sec. Majure & al. (2017)
***Opuntia hyptiacantha* F.A.C.Weber in Bois, Dict. Hort.: 894. 1898.** Sec. Hunt (2016)
 = *Opuntia chavena* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 264–265. 1908 syn. sec. Hunt (2016)
 = *Opuntia nigrita* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 169–170, t. 24. 1910 syn. sec. Tropicos
 = *Opuntia cretochaeta* Griffiths in Proc. Biol. Soc. Wash. 29: 11. 1916 syn. sec. Tropicos
 = *Opuntia matudae* Scheinvar in Phytologia 49: 324. 1981 syn. sec. Hunt (2016)
***Opuntia inaequilateralis* A.Berger in Bot. Jahrb. Syst. 36: 453. 1905.** Sec. Brako & Zarucchi (1993)
 ≡ *Platyopuntia inaequilateralis* (A.Berger) F.Ritter, Kakteen Südamerika 4: 1256. 1981 syn. sec. Brako & Zarucchi (1993)
 = *Platyopuntia inaequilateralis* var. *angustior* F.Ritter, Kakteen Südamerika 4: 1257. 1981 ≡ *Platyopuntia inaequilateralis* var. *angustior* F.Ritter, Kakteen Südamerika 4: 1257. 1981 syn. sec. Brako & Zarucchi (1993) ≡ *Opuntia inaequilateralis* var. *angustior* (F.Ritter) R.Crook & Mottram in Bradleya 17: 113. 1999 syn. sec. Kew WCVP (2019)
***Opuntia inaperta* (A.Schott ex Griffiths) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997.** Sec. Hunt (2016)
 ≡ *Nopalea inaperta* A.Schott ex Griffiths in Monatsschr. Kakteenk. 23: 139. 1913 syn. sec. Hunt (1997)
***Opuntia insularis* A.Stewart in Proc. Calif. Acad. Sci., ser. 4, 1: 113. 1911.** Sec. Anderson & Walkington (1971)
 ≡ *Opuntia galapageia* subsp. *insularis* (A.Stewart) Guiggi in Cactology 5 (Suppl. 8): 11. 2020
 = *Opuntia galapageia* var. *insularis* Backeb., Cactaceae 1: 561. 1958 syn. sec. Anderson & Walkington (1971)
***Opuntia jaliscana* Bravo in Cact. Suc. Mex. 17(4): 115, f. 67. 1972.** Sec. Hernández & al. (2014)
***Opuntia joconostle* F.A.C.Weber, Cact. Util. Mexico: 120. 1928.** Sec. Hernández & al. (2014)
***Opuntia karwinskiana* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 239–240. 1850.** Sec. Hernández & al. (2014)
 ≡ *Nopalea karwinskiana* (Salm-Dyck) K.Schum., Gesamtbeschr. Kakt.: 752. 1899 syn. sec. Hernández & al. (2014)
 = *Opuntia nopalilla* Karw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 68. 1850 syn. sec. Britton & Rose (1919)
***Opuntia lagunae* Baxter ex Bravo in Anales Inst. Biol. Univ. Nac. Mexico 3: 181. 1932.** Sec. Hunt (2016)
***Opuntia lasiacantha* Pfeiff., Enum. Diagn. Cact.: 160. 1837.** Sec. Hunt (2016)
 ≡ *Opuntia megacantha* var. *lasiacantha* (Pfeiff.) A.Berger in Bot. Jahrb. Syst. 36: 453. 1905 syn. sec. Kew WCVP (2019) ≡ *Opuntia megacantha* f. *lasiacantha* (Pfeiff.) Schelle, Kakteen: 69. 1926 syn. sec. Kew WCVP (2019)
 = *Opuntia zacuapanensis* A.Berger, Hort. Mortol.: 413. 1912 syn. sec. Kew WCVP (2019)
 = *Opuntia chaetocarpa* Griffiths in Proc. Biol. Soc. Wash. 27: 25. 1914 syn. sec. Kew WCVP (2019)
 = *Opuntia rzedowskii* Scheinvar in Anales Inst. Biol. Univ. Nac. Autón. México, Bot. 47–53: 123, f. 1–7. 1984 ["1976-1982"] syn. sec. Hunt (2016)
***Opuntia leucotricha* DC. in Mém. Mus. Hist. Nat. 17: 119. 1828.** Sec. Hunt (2016)
 = *Opuntia leucacantha* Link & Otto ex Salm-Dyck, Hort. Dyck.: 362. 1834 syn. sec. Britton & Rose (1919) ≡ *Opuntia leucacantha* Link & Otto ex Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Korotkova (2021) ≡ *Consolea leucacantha* (Link & Otto) Lem. in Rev. Hort. 34: 174. 1862 syn. sec. Kew WCVP (2019)
 = *Opuntia fulvispina* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 164. 1837 syn. sec. Kew WCVP (2019)
 = *Opuntia fulvispina* var. *laevior* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 164. 1837 syn. sec. Kew WCVP (2019)
 = *Opuntia lanigera* Parm. ex Pfeiff., Enum. Diagn. Cact.: 157. 1837 syn. sec. Kew WCVP (2019)
 = *Opuntia leucantha* Link & Otto ex Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Kew WCVP (2019)
 = ?*Opuntia leucosticta* H.L.Wendl. ex Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Britton & Rose (1919)
 = *Opuntia subferox* Schott ex Pfeiff., Enum. Diagn. Cact.: 167. 1837 syn. sec. Kew WCVP (2019)
 = *Opuntia erythrocentron* Lem. ex C.F.Först., Handb. Cacteenk.: 492. 1846 syn. sec. Britton & Rose (1919)
 = *Opuntia leucacantha* var. *subferox* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 497. 1846 syn. sec. Kew WCVP (2019)
 = *Opuntia rufescens* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 493. 1846 syn. sec. Kew WCVP (2019)
 = *Opuntia fulvispina* var. *badia* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 65. 1850 syn. sec. Kew WCVP (2019)
 = *Opuntia leucacantha* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 47. 1850 syn. sec. Kew WCVP (2019)
 = *Nopalea angustifrons* Lindb. in Acta Soc. Sci. Fenn. 10: 123. 1871 syn. sec. Kew WCVP (2019)
 = *Opuntia leucotricha* var. *fulvispina* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 157. 1903 syn. sec. Kew WCVP (2019)
 = *Opuntia durangensis* Britton & Rose in Smithsonian Misc. Collect. 50(4): 518. 1908 syn. sec. Hunt (2016)
 = *Opuntia pyriformis* Rose in Contr. U.S. Natl. Herb. 12(7): 292, t. 26, f. 35. 1909 syn. sec. Hunt (2016)
 = ?*Opuntia zamudioi* Scheinvar in Cact. Suc. Mex. 44(4): 88–93, f. 1–6. 1999 syn. sec. Hunt (2016)

- Opuntia littoralis* (Engelm.) Cockerell in Bull. S. Calif. Acad. Sci. 4(1): 15. 1905.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia engelmannii* var. *littoralis* Engelm. in Brewer, Bot. California 1: 248. 1876 syn. sec. Parfitt & Gibson (2003) ≡
Opuntia lindheimeri var. *littoralis* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 422. 1896 syn. sec. Parfitt & Gibson
 (2003) ≡ *Opuntia engelmannii* f. *littoralis* (Engelm.) Schelle, Handb. Kakteenkult.: 52. 1907 syn. sec. Kew WCVP (2019) ≡
Opuntia ×*occidentalis* var. *littoralis* (Engelm.) Parish, Man. Fl. Pl. Calif.: 657. 1925 syn. sec. Kew WCVP (2019) ≡ *Opuntia*
occidentalis var. *littoralis* (Engelm.) Parish ex Jeps., Man. Fl. Pl. Calif.: 657. 1925 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia*
littoralis var. *littoralis* syn. sec. Parfitt & Gibson (2003)
 = *Opuntia semispinosa* Griffiths in Bull. Torrey Bot. Club 43(2): 89–90. 1916 syn. sec. Tropicos
 = *Opuntia phaeacantha* var. *piercei* Fosberg in Bull. S. Calif. Acad. Sci. 33(2): 102–103. 1934 syn. sec. Korotkova (2021) ≡
Opuntia ×*occidentalis* var. *piercei* (Fosberg) Munz in Aliso 4: 94. 1958 ≡ *Opuntia littoralis* var. *piercei* (Fosberg) L.D.Benson
 & Walk. in Ann. Missouri Bot. Gard. 52(3): 270. 1965 syn. sec. Parfitt & Gibson (2003)
- Opuntia* ×*lucayana* Britton in Bull. New York Bot. Gard. 4: 141. 1906.** Sec. Hunt (2016)
 = ?*Opuntia darrahiana* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 388. 1904 syn. sec. Hunt (2016)
- Opuntia lutea* (Rose) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997.** Sec. Hunt (2016)
 ≡ *Nopalea lutea* Rose in Contr. U.S. Natl. Herb. 12(9): 405, t. 58. 1909 syn. sec. Hunt (1997)
- Opuntia macbridei* Britton & Rose, Cactaceae 4: 261, f. 238. 1923.** Sec. Majure & al. (2012)
 = *Opuntia macbridei* var. *orbicularis* Rauh & Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Köhler (2021)
- Opuntia mackensenii* Rose in Contr. U.S. Natl. Herb. 13(9): 310, pl. 67. 1911.** Sec. Powell & Weedon (2004)
 = *Opuntia macrocentra* var. *minor* M.S.Anthony in Amer. Midl. Naturalist 55(1): 244–245, f. 21. 1956 syn. sec. Majure (2021) ≡
Opuntia mackensenii var. *minor* (M.S.Anthony) A.M.Powell & Weedon, Cacti Trans-Pecos: 153. 2004 syn. sec. Majure (2021)
- Opuntia macrocentra* Engelm. in Proc. Amer. Acad. Arts 3: 292. 1856.** Sec. Parfitt & Gibson (2003)
 = *Opuntia violacea* Engelm., Not. Milit. Recon. 2: 157. 1848 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia violacea* Engelm. ex
 B.D.Jacks., Index Kew. 2: 358. 1895 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia violacea* var. *macrocentra* (Engelm.)
 L.D.Benson, Cacti Ariz., ed. 3: 21. 1969 syn. sec. Parfitt & Gibson (2003)
 = *Opuntia shreveana* C.Z.Nelson in Gatesburg Reg. 1915 syn. sec. Tropicos
 = *Opuntia violacea* var. *castetteri* L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Parfitt & Gibson (2003)
- Opuntia macrorhiza* Engelm. in Boston J. Nat. Hist. 6(2): 206. 1850.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia mesacantha* var. *macrorhiza* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 430. 1896 syn. sec. Parfitt &
 Gibson (2003) ≡ *Opuntia compressa* var. *macrorhiza* (Engelm.) L.D.Benson, Cacti Ariz., ed. 2: 50. 1950 syn. sec. Parfitt &
 Gibson (2003) ≡ *Opuntia macrorhiza* subsp. *macrorhiza* ≡ *Opuntia macrorhiza* var. *macrorhiza*
 = *Cactus tuberculatus* Willd., Enum. Pl., Suppl.: 34. 1814
 = *Opuntia tuberculata* Haw., Suppl. Pl. Succ.: 80. 1819 syn. sec. Kew WCVP (2019)
 = *Opuntia fuscoatra* Engelm. in Proc. Amer. Acad. Arts 3: 297. 1856 syn. sec. Majure (2021) ≡ *Opuntia compressa* var.
fuscoatra (Engelm.) D.Weniger, Cacti Southwest: 207. 1970 syn. sec. Majure (2021)
 = *Opuntia grandiflora* Engelm. in Proc. Amer. Acad. Arts 3: 295. 1856 syn. sec. Kew WCVP (2019) ≡ *Opuntia macrorhiza* var.
grandiflora (Engelm.) Bulot in Succulentes (France). 2002 syn. sec. Kew WCVP (2019) ≡ *Opuntia mesacantha* var.
grandiflora Engelm. in Contr. U.S. Natl. Herb. 3: 429. 1896 syn. sec. Kew WCVP (2019)
 = *Opuntia rafinesquei* var. *fusififormis* Engelm. in Pacif. Railr. Rep., Bot. 4(5): 43. 1856 syn. sec. Kew WCVP (2019)
 = *Opuntia rafinesquei* var. *grandiflora* Engelm., Descr. Cact.: 55. 1856 syn. sec. Kew WCVP (2019)
 = *Opuntia stenochila* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 296. 1856 syn. sec. Tropicos ≡ *Opuntia mesacantha*
 var. *stenochila* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 430. 1896 syn. sec. Kew WCVP (2019) ≡
Opuntia compressa var. *stenochila* (Engelm. & J.M.Bigelow) D.Weniger, Cacti Southwest: 211. 1970 syn. sec. Tropicos
 = *Opuntia fusiformis* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4(5): 43. 1857 syn. sec. Kew WCVP (2019)
 = *Opuntia sphaerocarpa* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4(5): 47. 1857
 = *Opuntia mesacantha* var. *greenii* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 431. 1896 syn. sec. Kew WCVP (2019) ≡ *Opuntia*
greenii (J.M.Coult.) Engelm. ex Britton & Rose in Smithsonian Misc. Collect. 50: 523. 1908 syn. sec. Berendsohn (2020) ≡
Opuntia macrorhiza var. *greenii* (J.M.Coult.) Bulot in Succulentes (France). 2002 syn. sec. Kew WCVP (2019)
 = *Opuntia mesacantha* var. *oplocarpa* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 431. 1896 syn. sec. Majure (2021) ≡ *Opuntia*
rafinesquei f. *oplocarpa* (J.M.Coult.) Schelle, Handb. Kakteenkult.: 50. 1907 syn. sec. Majure (2021)
 = *Opuntia xanthoglochla* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 166. 1910 syn. sec. Kew WCVP (2019)
 = *Opuntia leptocarpa* Mackensen in Bull. Torrey Bot. Club 38: 141. 1911 syn. sec. Kew WCVP (2019)
 = *Opuntia roseana* Mackensen in Bull. Torrey Bot. Club 38: 142. 1911 syn. sec. Kew WCVP (2019)
 = *Opuntia seguina* C.Z.Nelson in Trans. Illinois State Acad. Sci. 12: 120. 1919 syn. sec. Kew WCVP (2019)
 = *Opuntia loomisii* Peebles in Cact. Succ. J. (Los Angeles) 9: 109. 1938 syn. sec. Kew WCVP (2019)
- Opuntia martiniana* (L.D.Benson) B.D.Parfitt in Syst. Bot. 5(4): 416. 1980.** Sec. Parfitt (1980)
 ≡ *Opuntia macrocentra* var. *martiniana* L.D.Benson, Cacti Ariz., ed. 2: 64. 1950 ≡ *Opuntia littoralis* var. *martiniana*
 (L.D.Benson) L.D.Benson in Ann. Missouri Bot. Gard. 52: 270. 1965
- Opuntia megacantha* Salm-Dyck, Hort. Dyck.: 363. 1834.** Sec. Hernández & al. (2014)
 ≡ *Opuntia robusta* var. *megacantha* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 57. 1907 syn. sec. IPNI
- Opuntia megapotamica* Arechav. in Anales Mus. Nac. Montevideo 1: 42. 1905.** Sec. Hunt (2016)
- Opuntia megapotamica* var. *chadihuensis* Oakley & Villamil, Botany (Ottawa) 95: 115. 2017.** Sec. Kew WCVP (2019)

***Opuntia megapotamica* var. *megapotamica*.** Sec. Köhler (2021)

= *Platyopuntia pituitosa* F.Ritter, *Kakteen Südamerika* 2: 404. 1980 syn. sec. Köhler (2021) ≡ *Opuntia pituitosa* (F.Ritter) Iliff in *Cactaceae Consensus Init.* 2: 9. 1997 syn. sec. Köhler (2021)

= *Opuntia atrovirens* Speg. in *Anales Soc. Ci. Argent.* 99: 91. 1925 syn. sec. Köhler (2021)

= *Opuntia prasina* Speg. in *Anales Soc. Ci. Argent.* 99: 103. 1925 syn. sec. Köhler (2021)

= *Platyopuntia brunneogemmia* F.Ritter, *Kakteen Südamerika* 1: 34. 1979 syn. sec. Köhler (2021) ≡ *Opuntia brunneogemmia* (F.Ritter) Schlindw. in *Bradleya* 13: 29. 1995 syn. sec. Köhler (2021) ≡ *Opuntia monacantha* subsp. *brunneogemmia* (F.Ritter) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74(3): 133. 1995 syn. sec. Köhler (2021)

***Opuntia megapotamica* var. *salagria* (A.Cast.) Oakley in Botany (Ottawa) 95: 115. 2017.** Sec. Kew WCVP (2019)

≡ *Opuntia salagria* A.Cast. in *Lilloa* 27: 85, f. 2. 1955 syn. sec. Kew WCVP (2019) ≡ *Opuntia megapotamica* subsp. *salagria* (A.Cast.) Guiggi in *Cactology* 5 (Suppl. V): 1. 2017 syn. sec. Kew WCVP (2019)

***Opuntia megarrhiza* Rose in Contr. U.S. Natl. Herb. 10: 126. 1906.** Sec. Hernández & al. (2001)

≡ *Opuntia megarrhiza* subsp. *megarrhiza*

= *Opuntia macrorrhiza* var. *potosina* Hern.-Valencia in *Acta Ci. Potos.* 10: 155. 1988 syn. sec. Majure (2021) ≡ *Opuntia macrorrhiza* subsp. *potosina* (Hern.-Valencia) U.Guzmán & Mandujano in *Cactaceae Syst. Init.* 16: 18. 2003 syn. sec. Majure (2021)

***Opuntia megasperma* J.T.Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 46. 1933.** Sec. Anderson & Walkington (1971)

≡ *Opuntia galapageia* subsp. *megasperma* (J.T.Howell) Guiggi in *Cactology* 5 (Suppl. 8): 11. 2020 syn. sec. Anderson & Walkington (1971)

***Opuntia megasperma* var. *megasperma*.** Sec. Köhler (2021)

= *Opuntia megasperma* subsp. *typica* J.T.Howell in *Proc. Calif. Acad. Sci., ser. 4, 21: 47. 1933* syn. sec. Kew WCVP (2019) ≡ *Opuntia echios* var. *typica* J.T.Howell in *Proc. Calif. Acad. Sci., ser. 4, 21: 51. 1933* syn. sec. Kew WCVP (2019)

Opuntia megasperma* var. *mesophytica* Lundh in Madroño 20: 254. 1970.** Sec. Anderson & Walkington (1971)Opuntia megasperma* var. *orientalis* (J.T.Howell) D.M.Porter in Madroño 25: 58. 1978.** Sec. Anderson & Walkington (1971)

≡ *Opuntia megasperma* subsp. *orientalis* J.T.Howell in *Proc. Calif. Acad. Sci., ser. 4, 21: 48. 1933* syn. sec. Anderson & Walkington (1971) ≡ *Opuntia galapageia* subvar. *orientalis* (J.T.Howell) Backeb., *Cactaceae* 1: 562. 1958 syn. sec. Anderson & Walkington (1971)

Opuntia mesacantha* Raf. in Seringe, Bull. Bot.: 216. 1830.** Sec. Majure & al. (2017)Opuntia mesacantha* subsp. *lata* (Small) Majure in Phytoneuron 2014-106: 1. 2014.** Sec. Majure & al. (2017)

≡ *Opuntia lata* Small in *J. New York Bot. Gard.* 20: 26. 1919 syn. sec. Majure & al. (2017)

= *Opuntia macrarthra* Gibbes in *Proc. Elliott Soc. Nat. Hist. Charleston* 1: 273. 1859 syn. sec. Majure & al. (2017)

= *Opuntia youngii* C.Z.Nelson in *Trans. Illinois State Acad. Sci.* 12: 119. 1919 syn. sec. Majure & al. (2017)

= *Opuntia eburnispina* Small, *Cactaceae* 4: 260. 1923 syn. sec. Majure & al. (2017)

= *Opuntia impedata* Small ex Britton & Rose, *Cactaceae* 4: 257, f. 235. 1923 syn. sec. Majure & al. (2017)

***Opuntia mesacantha* subsp. *mesacantha*.** Sec. Majure & al. (2017)

= *Opuntia pollardii* Britton & Rose in *Smithsonian Misc. Collect.* 50: 523. 1907 syn. sec. Majure & al. (2017)

***Opuntia microdasys* (Lehm.) Pfeiff., Enum. Diagn. Cact.: 154. 1837.** Sec. Parfitt & Gibson (2003)

≡ *Cactus microdasys* Lehm., *Index Sem. (Hamburg)*: 16. 1827 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia microdasys* subsp. *microdasys*

= *Opuntia pulvinata* DC. in *Mém. Mus. Hist. Nat.* 17: 119. 1828 syn. sec. Britton & Rose (1919)

= *Opuntia microdasys* var. *minor* Salm-Dyck, *Hort. Dyck.*: 186. 1834 syn. sec. Tropicos ≡ *Opuntia microdasys* f. *minor* (Salm-Dyck) Schelle, *Handb. Kakteenkult.*: 47. 1907 syn. sec. Kew WCVP (2019)

= *Opuntia microdasys* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck., ed. 1849*: 241. 1850 syn. sec. Tropicos

= *Opuntia macrocalyx* Griffiths in *Rep. (Annual) Missouri Bot. Gard.* 19: 268–269, pl. 28. 1908 syn. sec. Tropicos

= *Opuntia lubrica* Griffiths in *Rep. (Annual) Missouri Bot. Gard.* 21: 169, t. 23. 1910 syn. sec. Tropicos

= *Opuntia herrfeldtii* Kupper in *Monatsschr. Kakteenk.*: 212. 1930 syn. sec. Tropicos

= *Opuntia microdasys* var. *pallida* Borg, *Cacti, ed. 2*: 83. 1951 syn. sec. Tropicos

= *Opuntia microdasys* var. *albispina* Fobe & Backeb., *Descr. Cact. Nov.* 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Opuntia microdasys* subvar. *albiflora* Backeb., *Cactaceae* 6: 3623. 1962 syn. sec. Kew WCVP (2019)

Opuntia militaris* Britton & Rose, Cactaceae 1: 104, f. 127. 1919.** Sec. Majure & al. (2014)Opuntia monacantha* (Willd.) Haw., Suppl. Pl. Succ.: 81. 1819.** Sec. Taylor & Zappi (2004)

≡ *Cactus monacanthos* Willd., *Enum. Pl. Suppl.*: 33. 1813 syn. sec. Leuenberger (1993)

= *Cactus opuntia* var. *parvifolius* Risso, *Hist. Nat. Prod. Eur. Mérid.* 2: 172. 1826 syn. sec. Kew WCVP (2019)

= *Cactus urumbeba* Vell., *Fl. Flumin.*: 207. 1829 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia urumbeba* (Vell.) Steud., *Nomencl. Bot., ed. 2, 2(2-5)*: 222. 1841 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia urumbeba* (Vell.) Steud., *Nomencl. Bot., ed. 2, 2(2-5)*: 222. 1841 syn. sec. Kew WCVP (2019)

= *Opuntia deflexa* Lem., *Cact. Gen. Sp. Nov.*: 68. 1839 syn. sec. Kew WCVP (2019)

= *Opuntia gracilior* Lem., *Cact. Gen. Sp. Nov.*: 68. 1839 syn. sec. Kew WCVP (2019)

= *Opuntia monacantha* var. *gracilior* Lem., *Cact. Gen. Sp. Nov.*: 68. 1839 syn. sec. Kew WCVP (2019)

= *Opuntia roxburghiana* Voigt, *Hort. Suburb. Calcutt.*: 62. 1845 syn. sec. Kew WCVP (2019)

- = *Opuntia monacantha* var. *deflexa* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 66. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia monacantha* var. *variegata* Anon. in Gard. Chron., n.s., 2: 49. 1874 syn. sec. Kew WCVP (2019)
- = *Opuntia lemaireana* Console ex Bois, Dict. Hort.: 894. 1898 syn. sec. Kew WCVP (2019) ≡ *Opuntia vulgaris* var. *lemaireana* (Console ex Bois) Backeb., Cactaceae 1: 400. 1958 syn. sec. Kew WCVP (2019)
- Opuntia nemoralis* Griffiths in Monatsschr. Kakteenk. 23: 133. 1913.** Sec. Majure & al. (2017)
- = *Opuntia macateei* Britton & Rose, Cactaceae 1: 221, f. 292–293. 1919 syn. sec. Majure & al. (2017)
- Opuntia* × *occidentalis* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4(5): 38. 1857.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia lindheimeri* var. *occidentalis* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3: 421. 1896 syn. sec. Korotkova (2021) ≡ *Opuntia occidentalis* var. *occidentalis* syn. sec. Parfitt & Gibson (2003)
- Opuntia ochrocentra* Small ex Britton & Rose, Cactaceae 4: 262–263. 1923.** Sec. Majure & al. (2017)
- Opuntia olmeca* Pérez Crisanto, J.Reyes & F.Brachet in Cact. Suc. Mex. 50: 90. 2004.** Sec. Villaseñor (2016)
- Opuntia orbiculata* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 156. 1837.** Sec. Guzmán Cruz & al. (2003)
- = *Opuntia crinifera* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 157. 1837 syn. sec. Britton & Rose (1919)
- = *Opuntia crinifera* var. *lanigera* Pfeiff., Enum. Diagn. Cact.: 157. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia senilis* Parm. ex Pfeiff., Enum. Diagn. Cact.: 157. 1837 syn. sec. Britton & Rose (1919)
- = *Opuntia lanigera* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 65. 1845 syn. sec. Britton & Rose (1919)
- = *Opuntia metternichii* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 46. 1845 syn. sec. Kew WCVP (2019)
- = *Opuntia pintadera* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 47. 1845 syn. sec. Britton & Rose (1919)
- Opuntia oricola* Philbrick in Cact. Succ. J. (Los Angeles) 36(6): 163–165. 1964.** Sec. Parfitt & Gibson (2003)
- Opuntia pachyrrhiza* H.M.Hern., Gómez-Hin. & Bárcenas in Novon 11(3): 309–314, f. 1–3. 2001.** Sec. Majure & Puente (2014)
- ≡ *Opuntia megarrhiza* subsp. *pachyrrhiza* (H.M.Hern., Gómez-Hin. & Bárcenas) U.Guzmán & Mandujano in Cactaceae Syst. Init. 16: 18. 2003 syn. sec. Majure & Puente (2014)
- Notes. – *Opuntia pachyrrhiza* is a diploid relative of the hexaploid *O. megarrhiza* (Majure & al. 2012). [Majure (2021)]
- Opuntia pailana* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 9: 167. 1929.** Sec. Majure & al. (2012)
- Notes. – Majure & al. (2012) showed that *O. pailana* was sister to *O. orbiculata* but not closely related to *O. leucotricha*. [Majure (2021)]
- Opuntia parviclada* S.Arias & Gama, Fl. Valle Tehuacán-Cuicatlán 14: 125. 1997.** Sec. Hunt (2016)
- Opuntia penicilligera* Speg., Nov. Add. Fl. Patag. 4: 291. 1902.** Sec. Font (2014)
- Opuntia pennellii* Britton & Rose, Cactaceae 1: 115. 1919.** Sec. Porras-Flórez & al. (2017)
- Opuntia perotensis* Scheinvar, Olalde & Gallegos in Bot. Sci. 93: 34. 2015.** Sec. Kew WCVP (2019)
- Opuntia phaeacantha* Engelm. in Mem. Amer. Acad. Arts, n.s. 4(1): 51–52. 1849.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia phaeacantha* var. *phaeacantha* syn. sec. Parfitt & Gibson (2003)
- = *Opuntia engelmannii* var. *cyclodes* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 291. 1856 syn. sec. Tropicos ≡ *Opuntia lindheimeri* var. *cyclodes* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 422. 1896 syn. sec. Tropicos ≡ *Opuntia cyclodes* (Engelm. & J.M.Bigelow) Rose in Contr. U.S. Natl. Herb. 13(9): 309. 1911 syn. sec. Kew WCVP (2019)
- = *Opuntia mojavensis* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 293. 1856 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia mohavensis* Engelm. & J.M.Bigelow in Pacif. Railr. Rep. Parke, Bot. 4(5): t. 9, f. 6–8. 1857 syn. sec. Hunt (2016) ≡ *Opuntia platyacantha* f. *mojavensis* (Engelm. & J.M.Bigelow) Schelle, Kakteen: 72. 1926 syn. sec. Kew WCVP (2019) ≡ *Opuntia phaeacantha* var. *mojavensis* (Engelm. & J.M.Bigelow) Fosberg in Bull. S. Calif. Acad. Sci. 33: 103. 1934 syn. sec. Kew WCVP (2019) ≡ *Opuntia phaeacantha* subsp. *mojavensis* (Engelm. & J.M.Bigelow) Guiggi in Cactology 3 (Suppl. II): 3. 2012 syn. sec. Kew WCVP (2019)
- = *Opuntia phaeacantha* var. *brunnea* Engelm. in Proc. Amer. Acad. Arts 3: 293. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia phaeacantha* f. *brunnea* (Engelm.) Schelle, Kakteen: 72. 1926 syn. sec. Kew WCVP (2019)
- = *Opuntia phaeacantha* var. *major* Engelm. in Proc. Amer. Acad. Arts 3: 293. 1856 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia phaeacantha* var. *nigricans* Engelm. in Proc. Amer. Acad. Arts 3: 293. 1856 syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia procumbens* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 292. 1856 syn. sec. Guzmán Cruz & al. (2003)
- = *Opuntia comanchica* Urlandt in Neubert's Deutsch. Gart.-Mag. 40: 156. 1887 syn. sec. Kew WCVP (2019)
- = *Opuntia rubrifolia* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 424. 1896 syn. sec. Kew WCVP (2019)
- = *Opuntia blakeana* Rose in Contr. U.S. Natl. Herb. 12: 402. 1909 syn. sec. Kew WCVP (2019)
- = *Opuntia canada* Griffiths, Ill. Stud. Opuntia: 90–91, t. 6, lower f., t. 2, f. 6, t. 13, f. 2, 12. 1909 syn. sec. Kew WCVP (2019) ≡ *Opuntia laevis* var. *canada* (Griffiths) Peebles in Cact. Succ. J. (Los Angeles) 9: 68. 1937 syn. sec. Kew WCVP (2019)
- = *Opuntia chihuahuensis* Rose in Contr. U.S. Natl. Herb. 12(7): 291–292. 1909 syn. sec. Hunt (2016) ≡ *Opuntia phaeacantha* var. *chihuahuensis* (Rose) Bravo in Cact. Suc. Mex. 19(2): 47. 1974 syn. sec. Tropicos
- = *Opuntia gilvescens* Griffiths in Rep. (Annual) Missouri Bot. Gard.: 87–88. 1909 syn. sec. Kew WCVP (2019)
- = *Opuntia toumeyi* Rose in Contr. U.S. Natl. Herb. 12: 402. 1909 syn. sec. Kew WCVP (2019)
- = *Opuntia wootonii* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 171. 1910 syn. sec. Kew WCVP (2019) ≡ *Opuntia engelmannii* var. *wootonii* (Griffiths) Fosberg in Bull. S. Calif. Acad. Sci. 30: 71. 1931 syn. sec. Tropicos ≡ *Opuntia phaeacantha* var. *wootonii* (Griffiths) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Tropicos
- = *Opuntia gregoriana* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 26. 1912 syn. sec. Kew WCVP (2019)

- = *Opuntia confusa* Griffiths in Proc. Biol. Soc. Wash. 27: 28. 1914 syn. sec. Kew WCVP (2019)
- = *Opuntia eocarpa* Griffiths in Proc. Biol. Soc. Wash. 29: 11. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia recurvospina* Griffiths in Proc. Biol. Soc. Wash. 29: 12. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia superbospina* Griffiths in Proc. Biol. Soc. Washington 29(3): 13. 1916 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia phaeacantha* var. *superbospina* (Griffiths) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 79. 1974 syn. sec. Kew WCVP (2019)
- = *Opuntia zuniensis* Griffiths in Bull. Torrey Bot. Club 43(2): 86–87. 1916 syn. sec. Tropicos
- = *Opuntia phaeacantha* var. *castorea* S.L.Welsh & N.D.Atwood, Utah Fl., ed. 3: 75. 2003 syn. sec. Kew WCVP (2019)
- *Opuntia mesacantha* var. *sphaerocarpa* J.M.Coult. ex Wootton & Standl. in Contr. U.S. Natl. Herb. 19: 446. 1915, nom. inval. syn. sec. Kew WCVP (2019)
- = *Opuntia angustata* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 292. 1856 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia camanchica* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 293. 1856 syn. sec. Hunt (2016) ≡ *Opuntia phaeacantha* subsp. *camanchica* (Engelm. & J.M.Bigelow) Borg, Cacti, ed. 2: 96. 1951 syn. sec. Tropicos ≡ *Opuntia phaeacantha* var. *camanchica* (Engelm. & J.M.Bigelow) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Tropicos
- = *Opuntia dulcis* Engelm. in Proc. Amer. Acad. Arts 3: 291. 1856 syn. sec. Guzmán Cruz & al. (2003) ≡ *Opuntia lindheimeri* var. *dulcis* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 421. 1896 syn. sec. Tropicos ≡ *Opuntia engelmannii* var. *dulcis* (Engelm.) J.M.Coult. ex K.Schum., Gesamtbeschr. Kakt.: 725. 1898 syn. sec. Tropicos
- Opuntia pilifera* F.A.C.Weber in Bois, Dict. Hort.: 894. 1898.** Sec. Hunt (2016)
- = *Opuntia pilifera* var. *aurantiisaeta* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- Opuntia pinkavae* B.D.Parfitt in Rhodora 99(899): 223–227, f. 1. 1998 ["1997"].** Sec. Parfitt & Gibson (2003)
- = *Opuntia basilaris* var. *woodburyi* W.H.Earle in Saguaroand Bull. 34(3): 15. 1980 syn. sec. Kew WCVP (2019) ≡ *Opuntia erinacea* var. *woodburyi* (W.H.Earle) S.L.Welsh, Utah Fl., ed. 5: 83. 2015 syn. sec. Kew WCVP (2019)
- Opuntia pittieri* Britton & Rose, Cactaceae 1: 188. 1919.** Sec. Hunt (2016)
- = *Opuntia bella* Britton & Rose, Cactaceae 1: 111. 1919 syn. sec. Hunt (2016)
- Opuntia polyacantha* Haw., Suppl. Pl. Succ.: 82. 1819.** Sec. Parfitt & Gibson (2003)
- ≡ *Tunas polyacantha* (Haw.) Nieuwl. & Lunell in Amer. Midl. Naturalist 4: 479. 1916 syn. sec. Parfitt & Gibson (2003)
- = *Cactus ferox* Nutt., Gen. N. Amer. Pl.: 296. 1818 syn. sec. Hunt (2006)
- = *Opuntia media* Haw., Suppl. Pl. Succ.: 82. 1819 syn. sec. Kew WCVP (2019)
- = *Opuntia splendens* Pfeiff., Enum. Diagn. Cact.: 159. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia rutila* Nutt. in Fl. N. Amer. 1: 555. 1840 syn. sec. Hunt (2016)
- = *Opuntia missouriensis* var. *elongata* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 46. 1845 syn. sec. Kew WCVP (2019)
- = *Opuntia missouriensis* var. *microsperma* Engelm. in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Kew WCVP (2019)
- = *Opuntia missouriensis* var. *rufispina* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Tropicos ≡ *Opuntia polyacantha* var. *rufispina* (Engelm. & J.M.Bigelow) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia missouriensis* var. *subinermis* Engelm. in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Kew WCVP (2019)
- = *Opuntia sphaerocarpa* var. *utahensis* Engelm. in Trans. Acad. Sci. St. Louis 11: 199. 1863 syn. sec. Kew WCVP (2019) ≡ *Opuntia erinacea* var. *utahensis* (Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969 syn. sec. Kew WCVP (2019) ≡ *Opuntia polyacantha* var. *utahensis* (Engelm.) Bulot syn. sec. Kew WCVP (2019)
- = *Opuntia spirocentra* Engelm. & J.M.Bigelow ex Haage, Verz. Cact.: 30. 1864 syn. sec. Kew WCVP (2019)
- = *Opuntia polyacantha* var. *borealis* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 436. 1896 syn. sec. Kew WCVP (2019) ≡ *Opuntia polyacantha* subsp. *borealis* (J.M.Coult.) Piper & Beattie, Fl. N.W. Coast: 244. 1915 syn. sec. Kew WCVP (2019)
- = *Opuntia polyacantha* var. *watsonii* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 437. 1896 syn. sec. Kew WCVP (2019)
- = *Opuntia schweriniana* K.Schum. in Monatsschr. Kakteenk. 9: 148. 1899 syn. sec. Kew WCVP (2019) ≡ *Opuntia polyacantha* var. *schweriniana* (K.Schum.) Backeb., Cactaceae 1: 607. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia barbata* K.Brandege ex J.A.Purpus in Monatsschr. Kakteenk. 10: 97. 1900 syn. sec. Kew WCVP (2019)
- = *Opuntia barbata* var. *gracillima* K.Brandege ex J.A.Purpus in Monatsschr. Kakteenk. 10: 110. 1900 syn. sec. Kew WCVP (2019)
- = *Opuntia utahensis* J.A.Purpus in Monatsschr. Kakteenk. 19: 133. 1909 syn. sec. Hunt (2016)
- = *Opuntia polyacantha* var. *erythrostema* J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 34: 63. 1925 syn. sec. Kew WCVP (2019)
- = *Opuntia polyacantha* var. *salmonia* J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 34: 63. 1925 syn. sec. Kew WCVP (2019)
- = *Opuntia polyacantha* var. *spirocentra* J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 34: 63. 1925 syn. sec. Kew WCVP (2019)
- = *Opuntia polyacantha* var. *subinermis* J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 34: 62. 1925 syn. sec. Kew WCVP (2019)
- = *Opuntia arrastradillo* Backeb. in Cactus (Paris) 36: 181. 1953 syn. sec. Hunt (2016)
- *Opuntia missouriensis* var. *salmonia* Späth ex J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 34: 63. 1925, nom. inval. syn. sec. Kew WCVP (2019)
- Opuntia polyacantha* var. *erinacea* (Engelm. & J.M.Bigelow) B.D.Parfitt in Cact. Succ. J. (Los Angeles) 70(4): 188. 1998.** Sec. Parfitt & Gibson (2003)
- ≡ *Opuntia erinacea* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 301. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia polyacantha* subsp. *erinacea* (Engelm. & J.M.Bigelow) Guiggi in Cactology 3 (Suppl. II): 4. 2012 syn. sec. Kew WCVP (2019) ≡ *Opuntia erinacea* var. *erinacea* syn. sec. Parfitt & Gibson (2003)

- = *Opuntia ursina* F.A.C.Weber, Dict. Hort. 2: 896. 1898 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia erinacea* var. *ursina* (F.A.C.Weber) Parish, Fl. Calif. 2: 542. 1936 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia hystricina* var. *ursina* (F.A.C.Weber) Backeb., Cactaceae 1: 610. 1958 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia erinacea* var. *paucispina* Dunkle in Bull. S. Calif. Acad. Sci. 34: 3. 1935 syn. sec. Kew WCVP (2019)
- = *Opuntia hystricina* var. *bensonii* Backeb., Cactaceae 1: 609. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia diploursina* Stock, N.Hussey & Beckstrom in Cact. Succ. J. (Los Angeles) 86: 79. 2014 syn. sec. Kew WCVP (2019)
- Opuntia polyacantha* var. *hystricina* (Engelm. & J.M.Bigelow) B.D.Parfitt in Cact. Succ. J. (Los Angeles) 70(4): 188. 1998. Sec. Parfitt & Gibson (2003)**
- ≡ *Opuntia hystricina* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 299. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia erinacea* var. *hystricina* (Engelm. & J.M.Bigelow) L.D.Benson, Cact. Ariz., ed. 1: 46. 1940 syn. sec. Parfitt & Gibson (2003) – *Opuntia polyacantha* var. *hystericina* (Engelm. & J.M.Bigelow) B.D.Parfitt in Cact. Succ. J. (Los Angeles) 70(4): 188. 1998 syn. sec. Parfitt & Gibson (2003) [is misspelling for *Opuntia polyacantha* var. *hystericina* (Engelm. & J.M.Bigelow) B.D.Parfitt]
- = *Opuntia rhodantha* K.Schum. in Monatsschr. Kakteenk. 6: 111. 1896, nom. subnud. syn. sec. Hunt (2016) ≡ *Opuntia erinacea* var. *rhodantha* (K.Schum.) L.D.Benson in Proc. Calif. Acad. Sci., ser. 4, 25: 249. 1944 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia xanthostemma* K.Schum., Gesamtbeschr. Kakt.: 735–736. 1898 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia rhodantha* var. *xanthostemma* (K.Schum.) Rehder in J. Arnold Arbor. 7: 149. 1926 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia erinacea* var. *xanthostemma* (K.Schum.) L.D.Benson in Leafl. W. Bot. 4: 209. 1945 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia rhodantha* f. *xanthostemma* (K.Schum.) Rehder, Bibl. Cult. Trees: 478. 1949 syn. sec. Kew WCVP (2019)
- = *Opuntia xerocarpa* Griffiths in Proc. Biol. Soc. Wash. 29: 15. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia rhodantha* var. *spiniosior* Boissev. & C.Davidson in Cact. Succ. J. (Los Angeles) 15: 138. 1943 syn. sec. Kew WCVP (2019)
- Opuntia polyacantha* var. *nicholii* (L.D.Benson) B.D.Parfitt in Cact. Succ. J. (Los Angeles) 70(4): 188. 1998. Sec. Parfitt & Gibson (2003)**
- ≡ *Opuntia nicholii* L.D.Benson, Cacti Ariz., ed. 2: 48–50. 1950 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia hystricina* var. *nicholii* (L.D.Benson) Backeb., Cactaceae 1: 610. 1958 syn. sec. Parfitt & Gibson (2003)
- Opuntia polyacantha* var. *polyacantha*. Sec. Parfitt & Gibson (2003)**
- = *Opuntia missouriensis* DC., Prodr. 3: 472. 1828 syn. sec. Tropicos
- = *Opuntia missouriensis* var. *albispina* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Tropicos ≡ *Opuntia polyacantha* var. *albispina* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 437. 1896 syn. sec. Tropicos ≡ *Opuntia missouriensis* f. *albispina* (Engelm. & J.M.Bigelow) Schelle, Handb. Kakteenkult.: 54. 1907 syn. sec. Kew WCVP (2019)
- = *Opuntia missouriensis* var. *platycarpa* Engelm. in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Tropicos ≡ *Opuntia polyacantha* var. *platycarpa* (Engelm.) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 436. 1896 syn. sec. Tropicos ≡ *Opuntia polyacantha* f. *platycarpa* (J.M.Coult.) Toumey & Rose, Stand. Cycl. Hort. 4: 2363. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia missouriensis* var. *trichophora* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 300. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia polyacantha* var. *trichophora* (Engelm. & J.M.Bigelow) J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 437. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia trichophora* (Engelm. & J.M.Bigelow) Britton & Rose in Smithsonian Misc. Collect. 50: 535. 1908 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia trichophora* (Engelm. & J.M.Bigelow) Britton & Rose in Smithsonian Misc. Collect. 50: 535. 1908 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia missouriensis* f. *trichophora* (Engelm. & J.M.Bigelow) Schelle, Handb. Kakteenkult.: 54. 1907 syn. sec. Kew WCVP (2019)
- = *Opuntia juniperina* Britton & Rose, Cactaceae 1: 197, f. 243–244. 1919 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia polyacantha* var. *juniperina* (Britton & Rose) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia heacockiae* Arp in Sida 10(3): 207–209, f. 1–6. 1984 syn. sec. Parfitt & Gibson (2003)
- Opuntia pottsii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 236. 1850. Sec. Parfitt & Gibson (2003)**
- ≡ *Opuntia macrorhiza* var. *pottsii* (Salm-Dyck) L.D.Benson, Cacti Ariz., ed. 3: 20. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia macrorhiza* subsp. *pottsii* (Salm-Dyck) U.Guzmán & Mandujano in Cactaceae Syst. Init. 16: 18. 2003 syn. sec. Tropicos
- = *Opuntia filipendula* Engelm. in Proc. Amer. Acad. Arts 3: 294. 1856 syn. sec. Parfitt & Gibson (2003)
- = *Opuntia rafinesquei* var. *montana* Engelm. in Proc. Amer. Acad. Arts, prepr. 3: 40. 1856 syn. sec. Kew WCVP (2019) ≡ *Opuntia pottsii* var. *montana* (Engelm.) Bulot in Succulentes (France). 2002 syn. sec. Kew WCVP (2019)
- = *Opuntia plumbea* Rose in Smithsonian Misc. Collect. 50: 524. 1908 syn. sec. Majure (2021)
- = *Opuntia ballii* Rose in Contr. U.S. Natl. Herb. 13(9): 309, pl. 64. 1911 syn. sec. Hunt (2016)
- = *Opuntia delicata* Rose in Contr. U.S. Natl. Herb. 13(9): 310. 1911 syn. sec. Parfitt & Gibson (2003)
- Opuntia preciadoae* Scheinvar, Olalde, Gallegos & J.Morales S. in Bradleya 36: 25. 2018. Sec. Scheinvar & al. (2018)**
- Opuntia puberula* Pfeiff., Enum. Diagn. Cact.: 156. 1837. Sec. Hunt (2016)**
- = *Opuntia parvispina* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 238. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia heliae* Matuda in Cact. Suc. Mex. 1(2): 23–24, f. 14. 1955 syn. sec. Hunt (2016)
- Opuntia pubescens* H.L.Wendl. ex Pfeiff., Enum. Diagn. Cact.: 149. 1837. Sec. Hunt (2016)**
- ≡ *Opuntia pubescens* H.L.Wendl. in Cat. Hort. Herrenh. 1835 syn. sec. IPNI: 13 sept 2020 ["n.v."] ≡ *Cactus pubescens* (H.L.Wendl. ex Pfeiff.) Lem., Cactées: 87. 1868 syn. sec. Hunt (2016)

- = *Cactus nanus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 68. 1823 syn. sec. Hunt (2006) ≡ *Cereus nanus* (Kunth) DC., Prodr. 3: 470. 1828 syn. sec. Hunt (2006) ≡ *Platyopuntia nana* (Kunth) F.Ritter, Kakteen Südamerika 2: 495. 1980 syn. sec. Hunt (2006)
- = *Opuntia nana* Vis., Fl. Dalmat. 3: 143. 1852 syn. sec. Kew WCVP (2019) ≡ *Opuntia vulgaris* var. *nana* (Vis.) K.Schum., Gesamtbeschr. Kakt.: 715. 1898 syn. sec. Kew WCVP (2019) ≡ *Opuntia vulgaris* f. *nana* (Vis.) Schelle, Handb. Kakteenkult.: 50. 1907 syn. sec. Kew WCVP (2019)
- = *Opuntia leptarthra* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 393. 1904 syn. sec. Kew WCVP (2019)
- = *Opuntia taylorii* Britton & Rose in Smithsonian Misc. Collect. 50: 520. 1908 syn. sec. Majure (2021)
- = *Opuntia pascoensis* Britton & Rose, Cactaceae 1: 101–102, t. 17, f. 1. 1919 syn. sec. Hunt (2016)
- = *Opuntia pestifer* Britton & Rose, Cactaceae 1: 217, f. 281. 1919 syn. sec. Hunt (2016)
- = *Opuntia dumetorum* A.Berger, Kakteen: 58. 1929 syn. sec. Hunt (2016) ≡ *Corynopuntia dumetorum* (A.Berger) F.M.Knuth, Kaktus-ABC: 116. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Platyopuntia dumetorum* (A.Berger) F.Ritter, Kakteen Südamerika 1: 27. 1979 syn. sec. Hunt (2006) ≡ *Grusonia dumetorum* (A.Berger) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71: 325. 1999 syn. sec. Kew WCVP (2019)
- = *Opuntia hoffmannii* Bravo in Anales Inst. Biol. Univ. Nac. Autón. México, Biol. 1: 89. 1930 syn. sec. Tropicos
- = *Opuntia tayapayensis* Cárdenas in Lilloa 23: 18. 1950 syn. sec. Kiesling & al. (2014)
- = *Platyopuntia infesta* F.Ritter, Kakteen Südamerika 4: 1258. 1981 syn. sec. Hunt (2016) ≡ *Opuntia infesta* (F.Ritter) Iliff in Cactaceae Consensus Init. 2: 8. 1997 syn. sec. Hunt (2016)
- Opuntia pumila* Rose in Smithsonian Misc. Collect. 50: 521. 1908. Sec. Majure & al. (2012)**
- Notes. – Although part of the same clade, *O. pumila* is not most closely related to or conspecific with *O. pubescens* (Majure & al. 2012, Majure et al. unpubl. data). [Majure (2021)]
- Opuntia pycnantha* Engelm. in Contr. U.S. Natl. Herb. 3(7): 423–424. 1896. Sec. Hunt (2016)**
- = *Opuntia pycnantha* var. *margaritana* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 424. 1896 syn. sec. Tropicos ≡ *Opuntia margaritana* (J.M.Coult.) Baxter in Cact. Succ. J. (Los Angeles) 2: 388. 1931 syn. sec. Tropicos
- Opuntia quimilo* K.Schum., Gesamtbeschr. Kakt.: 746. 1898. Sec. Kiesling & al. (2014)**
- ≡ *Platyopuntia quimilo* (K.Schum.) F.Ritter, Kakteen Südamerika 2: 404. 1980 syn. sec. Kiesling & al. (2014)
- = *Opuntia distans* Britton & Rose, Cactaceae 1: 155–156, f. 195. 1919 syn. sec. Kiesling & al. (2014)
- Opuntia quitensis* F.A.C.Weber in Bois, Dict. Hort.: 894. 1898. Sec. Hunt (2016)**
- ≡ *Platyopuntia quitensis* (F.A.C.Weber) F.Ritter, Kakteen Südamerika 4: 1255. 1981 syn. sec. Hunt (2016)
- Opuntia rastrera* F.A.C.Weber in Bois, Dict. Hort.: 896. 1898. Sec. Hernández & al. (2014)**
- ≡ *Opuntia engelmannii* var. *rastrera* (F.A.C.Weber) Pinkava in J. Arizona-Nevada Acad. Sci. 36: 20. 2003 ≡ *Opuntia engelmannii* subsp. *rastrera* (F.A.C.Weber) Guiggi in Cactology 3: 8. 2012
- = *Opuntia lucens* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 269–270. 1908 syn. sec. Tropicos ≡ *Opuntia lindheimeri* var. *lucens* (Griffiths) Scheinvar in Phytologia 49: 320. 1981 syn. sec. Kew WCVP (2019)
- Notes. – Possibly to be synonymized with *O. engelmannii*, c.f. Hunt (2006, 2016). [Korotkova & al. (2021)]
- Opuntia repens* Bello in Anales Soc. Esp. Hist. Nat. 10: 277. 1881. Sec. Hunt (2016)**
- = *Opuntia borinquensis* Britton & Rose, Cactaceae 1: 103. 1919 syn. sec. Majure (2021)
- Opuntia rioplatense* Font in Succ. Pl. Res. 8: 85. 2014. Sec. Hunt (2016)**
- = *Opuntia elata* var. *obovata* E.Walther in J. Cact. Succ. Soc. Amer. 1: 204. 1930 syn. sec. Köhler (2021)
- Opuntia ritteri* A.Berger, Kakteen: 68. 1929. Sec. Guzmán Cruz & al. (2003)**
- Opuntia robinsonii* G.J.Ortega, Fl. Indig. Sinaloa Fam. Cact. C: 10. 1929. Sec. Guzmán Cruz & al. (2003)**
- Opuntia robusta* Pfeiff., Enum. Diagn. Cact.: 165-166. 1837. Sec. Hunt (2016)**
- = *Opuntia albicans* Salm-Dyck, Hort. Dyck.: 361. 1834 syn. sec. Kew WCVP (2019) ≡ *Opuntia robusta* var. *albicans* (Salm-Dyck) Schelle, Handb. Kakteenkult.: 57. 1907 syn. sec. Kew WCVP (2019)
- = *Opuntia robusta* J.C.Wendl. in Cat. Hort. Herrenh. 1835 syn. sec. Korotkova (2021)
- = *Opuntia prate* Sabine ex Pfeiff., Enum. Diagn. Cact.: 155. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia flavicans* Lem., Cact. Gen. Sp. Nov.: 61. 1839 syn. sec. Britton & Rose (1919)
- = *Opuntia albicans* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 67. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia pruinosa* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 67. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia larreyi* F.A.C.Weber ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 423. 1897 syn. sec. Britton & Rose (1919) ≡ *Opuntia robusta* var. *larreyi* (F.A.C.Weber ex J.M.Coult.) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Tropicos
- = *Opuntia camuessa* F.A.C.Weber, Dict. Hort.: 895. 1898 syn. sec. Tropicos
- = *Opuntia guerrana* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 266. 1908 syn. sec. Tropicos ≡ *Opuntia robusta* var. *guerrana* (Griffiths) Sánchez-Mej. in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Tropicos
- = *Opuntia megalarthra* Rose in Smithsonian Misc. Collect. 50: 529. 1908 syn. sec. Kew WCVP (2019) ≡ *Opuntia robusta* var. *megalarthra* (Rose) K.Hammer in Kulturpflanze 24: 266. 1976 syn. sec. Kew WCVP (2019)
- = *Opuntia gorda* Griffiths in Monatsschr. Kakteenk. 23: 134. 1913 syn. sec. Britton & Rose (1919)
- = *Opuntia robusta* var. *longiglochidiata* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- Opuntia ×rooneyi* M.P.Griff. in Cact. Succ. J. (Los Angeles) 73: 307. 2001. Sec. Korotkova (2021)**

- Opuntia rufida* Engelm. in Proc. Amer. Acad. Arts 3: 298. 1856.** Sec. Parfitt & Gibson (2003)
 ≡ *Opuntia microdasys* var. *rufida* (Engelm.) K.Schum., Gesamtbeschr. Kakt.: 706. 1898 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia microdasys* subsp. *rufida* (Engelm.) U.Guzmán & Mandujano in Cactaceae Syst. Init. 16: 18. 2003 syn. sec. Kew WCVP (2019)
 = *Opuntia rufida* var. *tortiflora* M.S.Anthony in Amer. Midl. Naturalist 55(1): 240, f. 15. 1956 syn. sec. Parfitt & Gibson (2003)
- Opuntia sanguinea* Proctor in J. Arnold Arbor. 63(3): 239. 1982.** Sec. Hunt (2016)
- Opuntia santarita* (Griffiths & Hare) Rose in Smithsonian Misc. Collect. 52(2): 195. 1908.** Sec. Hernández & al. (2014)
 ≡ *Opuntia chlorotica* var. *santarita* Griffiths & Hare in New Mexico Agric. Exp. Sta. Bull. 60: 64–65. 1906 syn. sec. Hernández & al. (2014) ≡ *Opuntia gosseliniana* var. *santarita* (Griffiths & Hare) L.D.Benson, Cacti Ariz., ed. 2: 65. 1950 ≡ *Opuntia violacea* var. *santarita* (Griffiths & Hare) L.D.Benson, Cacti Ariz., ed. 3: 21. 1969
- Opuntia saxicola* Howell in Proc. Calif. Acad. Sci., ser. 4, 21: 45. 1933.** Sec. Anderson & Walkington (1971)
 = *Opuntia galapageia* var. *saxicola* Backeb., Cactaceae 1: 562. 1958 syn. sec. Anderson & Walkington (1971)
- Opuntia scheeri* F.A.C.Weber in Bois, Dict. Hort.: 895. 1898.** Sec. Hunt (2016)
- Opuntia schumannii* F.A.C.Weber ex A.Berger in Gard. Chron., ser. 3, 35: 34. 1904.** Sec. Hunt (2016)
- Opuntia setispina* Engelm. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 239. 1850.** Sec. Majure (2021)
 Notes. – *Opuntia setispina* is most closely related to *O. santa-rita* and *O. gosseliniana* (Majure et al. unpubl. data). [Majure (2021)]
- Opuntia setocarpa* Arreola-Nava, Guzm.-Hern. & Cuevas in Revista Mex. Biodivers. 88: 793. 2017.** Sec. Arreola-Nava & al. (2017)
- Opuntia soederstromiana* Britton & Rose, Cactaceae 1: 221. 1919.** Sec. Hunt (2016)
 = *Opuntia dobbieana* Britton & Rose, Cactaceae 1: 225, f. 301. 1919 syn. sec. Hunt (2016)
- Opuntia* ×*spinosibacca* M.S.Anthony in Amer. Midl. Naturalist 55(1): 246–249, f. 22–23. 1956.** Sec. Hunt (2016)
 ≡ *Opuntia phaeacantha* var. *spinosibacca* (M.S.Anthony) L.D.Benson in Cact. Succ. J. (Los Angeles) 41(3): 125. 1969 syn. sec. Hunt (2016)
- Opuntia spinulifera* Salm-Dyck, Hort. Dyck.: 364. 1834.** Sec. Hernández & al. (2014)
 = *Opuntia candelabrififormis* Pfeiff., Enum. Diagn. Cact.: 159. 1837 syn. sec. Guzmán Cruz & al. (2003)
 = *Opuntia oligacantha* Pfeiff., Enum. Diagn. Cact.: 137. 1837 syn. sec. Guzmán Cruz & al. (2003)
 = *Opuntia candelabrififormis* var. *rigidior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 68. 1850 syn. sec. Kew WCVP (2019)
 = *Opuntia heliabravoana* Scheinvar in Anales Inst. Biol. Univ. Nac. Autón. México, Bot. 45: 75. 1974 syn. sec. Guzmán Cruz & al. (2003)
- Opuntia staffordae* Bullock in Cact. J. (London) 8: 15. 1939.** Sec. Brako & Zarucchi (1993)
 ≡ *Tephrocactus staffordae* (Bullock) Backeb. in Cactus (Paris) 38: 250. 1953 syn. sec. Brako & Zarucchi (1993)
- Opuntia stenarthra* K.Schum. in Monatsschr. Kakteenk. 9: 149. 1899.** Sec. Las Peñas & al. (2019)
 = *Opuntia assumptionis* K.Schum. in Monatsschr. Kakteenk. 9: 153. 1899 syn. sec. Köhler (2021)
 = *Opuntia subsphaerocarpa* Speg. in Anales Soc. Ci. Argent. 99: 104. 1925 syn. sec. Köhler (2021)
 = *Platyopuntia cognata* F.Ritter, Kakteen Südamerika 1: 246. 1979 syn. sec. Köhler (2021) ≡ *Opuntia cognata* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 132. 1995 syn. sec. Köhler (2021)
- Opuntia stenopetala* Engelm. in Proc. Amer. Acad. Arts 3: 289. 1856.** Sec. Hunt (2016)
 = *Opuntia glaucescens* Salm-Dyck, Hort. Dyck.: 362. 1834 syn. sec. Tropicos
 = *Opuntia grandis* Pfeiff., Enum. Diagn. Cact.: 155. 1837 syn. sec. Tropicos
 = *Opuntia marnieriana* Backeb. in Cactus (Paris) 36: 181. 1953 syn. sec. Tropicos
 = *Opuntia riviereana* Backeb., Cactaceae 6: 3628. 1962 syn. sec. Hunt (2016)
 = *Opuntia stenopetala* var. *inermis* Bravo in Cact. Suc. Mex. 19: 27. 1974 syn. sec. Kew WCVP (2019)
- Opuntia streptacantha* Lem., Cact. Gen. Sp. Nov.: 62. 1839.** Sec. Hernández & al. (2014)
 = *Opuntia cardona* F.A.C.Weber, Dict. Hort.: 895. 1898 syn. sec. Tropicos
 = *Opuntia cardonae* F.A.C.Weber, Dict. Hort. 2: 895. 1898 syn. sec. Kew WCVP (2019)
 = *Opuntia coindetti* F.A.C.Weber, Dict. Hort.: 895. 1898 syn. sec. Tropicos
 = *Opuntia castillae* Griffiths in Rep. (Annual) Missouri Bot. Gard. 19: 261–262, pl. 24. 1908 syn. sec. Majure (2021)
 = *Opuntia pachona* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 168–169, t. 22. 1910 syn. sec. Hunt (2016) ≡ *Opuntia streptacantha* var. *pachona* (Griffiths) K.Hammer in Kulturpflanze 24: 262. 1976 syn. sec. Kew WCVP (2019)
 = ?*Opuntia diplacantha* A.Berger, Hort. Mortol.: 232. 1912 syn. sec. Britton & Rose (1919)
 = *Opuntia incarnadilla* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 27–28, pl. 4–5. 1912 syn. sec. Majure (2021)
 = ?*Opuntia arcei* Cárdenas in Cact. Succ. J. (Los Angeles) 28: 113, f. 77–78. 1956 syn. sec. Hunt (2016)
 = *Opuntia streptacantha* subsp. *aguirriana* Scheinvar & A.Rodr. in Anales Inst. Biol. Univ. Nac. Autón. México, Bot. 74: 304. 2004 ["2003"] syn. sec. Hunt (2016)
- Opuntia stricta* (Haw.) Haw., Syn. Pl. Succ.: 191. 1812.** Sec. Hunt (2016)
 ≡ *Cactus strictus* Haw., Misc. Nat.: 188. 1803 ≡ *Opuntia stricta* var. *stricta* syn. sec. Hunt (2016)
 = *Cactus opuntia* var. *inermis* DC., Pl. Hist. Succ. 2: t. 138, f. C. 1799 syn. sec. Tropicos ≡ *Opuntia inermis* (DC.) DC., Prodr. 3: 437. 1828 syn. sec. Tropicos

- = *Cactus dillenii* Ker Gawl. in Bot. Reg. 3: t. 255. 1818 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia dillenii* (Ker Gawl.) Haw., Suppl. Pl. Succ.: 79. 1819 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia stricta* var. *dillenii* (Ker Gawl.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Taylor & Zappi (2004)
- = *Cactus chinensis* Roxb., Fl. Ind. 2: 476. 1824 syn. sec. Kew WCVP (2019) ≡ *Opuntia chinensis* (Roxb.) K.Koch, Hort. Dendrol. 279: no. 6. 1853 syn. sec. Tropicos
- = *Cactus indicus* Roxb., Fl. Ind. 2: 475. 1824 syn. sec. Kew WCVP (2019)
- = *Cactus chilensis* Colla in Hortus Ripul. App. 2: 342. 1826 syn. sec. Kew WCVP (2019)
- = *Opuntia maritima* Raf., Med. Fl. 2: 247. 1830 syn. sec. Kew WCVP (2019)
- = *Opuntia bartramii* Raf. in Atlantic J. 1: 146. 1832 syn. sec. Kew WCVP (2019)
- = *Opuntia dillenii* var. *minor* Salm-Dyck, Hort. Dyck.: 185. 1834 syn. sec. Kew WCVP (2019)
- = *Opuntia dillenii* var. *orbiculata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 67. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia tunoidea* Gibbes in Proc. Elliott Soc. Nat. Hist. Charleston 1: 272. 1859 syn. sec. Britton & Rose (1919)
- = *Pilocereus flavispinus* Rümpler, Handb. Cacteenk., ed. 2: 659. 1885 syn. sec. Kew WCVP (2019)
- = *Opuntia balearica* F.A.C.Weber ex Hirscht in Monatsschr. Kakteenk. 8: 175. 1898 syn. sec. Britton & Rose (1919)
- = *Opuntia vulgaris* var. *balaerica* F.A.C.Weber, Dict. Hort. 2: 894. 1898 syn. sec. Kew WCVP (2019)
- = *Opuntia bentonii* Griffiths in Rep. (Annual) Missouri Bot. Gard. 22: 25–26, pl. 1–2. 1912 syn. sec. Kew WCVP (2019)
- = *Opuntia parva* A.Berger, Hort. Mortol.: 234. 1912 syn. sec. Kew WCVP (2019)
- = *Opuntia anahuacensis* Griffiths in Bull. Torrey Bot. Club 43(2): 92. 1916 syn. sec. Tropicos
- = *Opuntia longiclada* Griffiths in Bull. Torrey Bot. Club 43: 525. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia brunnescens* Britton & Rose, Cactaceae 1: 150. 1919 syn. sec. Hunt (2016)
- = *Opuntia keyensis* Britton ex Small in J. New York Bot. Gard. 20(230): 31–32, pl. 225. 1919 syn. sec. Tropicos
- = *Opuntia zebrina* Small in J. New York Bot. Gard. 20(230): 35–36, pl. 226. 1919 syn. sec. Kew WCVP (2019)
- = *Opuntia magnifica* Small, Man. S.E. Fl.: 906. 1933 syn. sec. Tropicos
- = *Opuntia tenuiflora* Small, Man. S.E. Fl.: 908, 1506. 1933 syn. sec. Hunt (2016)
- = *Opuntia melanosperma* Svenson in Amer. J. Bot. 33: 471. 1946 syn. sec. Kew WCVP (2019)
- = *Opuntia nejapensis* Bravo in Cact. Suc. Mex. 17(4): 115. 1972 syn. sec. Hunt (2016)
- = *Opuntia dillenii* var. *reitzii* Scheinvar in Feddes Repert. 95: 277. 1984 syn. sec. Kew WCVP (2019) ≡ *Opuntia stricta* var. *reitzii* (Scheinvar) Scheinvar & A.Rodr. in Revista Jard. Bot. Nac. Univ. Habana 21: 299. 2001 ["2000"] syn. sec. Kew WCVP (2019)
- = *Opuntia stricta* subsp. *esparzae* Scheinvar in Cact. Suc. Mex. 47: 98. 2002 syn. sec. Kew WCVP (2019)
- Opuntia strigil* Engelm. in Proc. Amer. Acad. Arts 3: 290. 1856. Sec. Parfitt & Gibson (2003)**
- Opuntia sulphurea* Gillies ex Salm-Dyck, Hort. Dyck.: 360. 1834. Sec. Hunt (2016)**
- = *Opuntia sericea* G.Don ex Salm-Dyck, Hort. Dyck.: 363. 1834 syn. sec. Kew WCVP (2019)
- = *Opuntia sericea* var. *longispina* Salm-Dyck, Hort. Dyck.: 363. 1834 syn. sec. Kew WCVP (2019)
- = *Opuntia coerulea* Gillies ex Pfeiff., Enum. Diagn. Cact.: 155. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia sulphurea* var. *major* Monv. ex Lem., Cact. Gen. Sp. Nov.: 71. 1839 syn. sec. Kew WCVP (2019)
- = *Opuntia sulphurea* var. *pallidior* Monv. ex Lem., Cact. Gen. Sp. Nov.: 71. 1839 syn. sec. Kew WCVP (2019)
- = *Opuntia maelenii* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 46. 1845 syn. sec. Kew WCVP (2019)
- = *Opuntia sericea* var. *maelenii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 67. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia sulphurea* var. *laevior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 67. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia maculacantha* C.F.Först. in Hamburger Garten-Blumenzeitung 17: 166. 1861 syn. sec. Kew WCVP (2019)
- = *Opuntia pampeana* Speg., Contr. Fl. Sierra Vent.: 30. 1896 syn. sec. Kiesling & al. (2014) ≡ *Opuntia sulphurea* var. *pampeana* (Speg.) Backeb., Cactaceae 1: 414. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia vulpina* F.A.C.Weber, Dict. Hort. 2: 895. 1898 syn. sec. Kiesling & al. (2014) ≡ *Opuntia sulphurea* subsp. *vulpina* (F.A.C.Weber) Guiggi in Cactology 3: 11. 2012 syn. sec. Kew WCVP (2019)
- = *Opuntia hildemaniai* Frič in Möller's Deutsche Gärtner-Zeitung 42: 377. 1927 syn. sec. Kiesling & al. (2014) ≡ *Opuntia sulphurea* var. *hildemaniai* (Frič) Backeb., Cactaceae 1: 413. 1958 syn. sec. Kiesling & al. (2014)
- = *Platyopuntia brachyacantha* F.Ritter, Kakteen Südamerika 2: 501. 1980 syn. sec. Kiesling & al. (2014) ≡ *Opuntia brachyacantha* (F.Ritter) R.Crook & Mottram in Bradleya 13: 115. 1995 syn. sec. Kiesling & al. (2014) ≡ *Opuntia sulphurea* subsp. *brachyacantha* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Kiesling & al. (2014)
- = *Platyopuntia spinibarbis* F.Ritter, Kakteen Südamerika 2: 499. 1980 syn. sec. Kiesling & al. (2014) ≡ *Opuntia sulphurea* subsp. *spinibarbis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Kiesling & al. (2014)
- = *Platyopuntia spinibarbis* var. *grandiflora* F.Ritter, Kakteen Südamerika 2: 500. 1980 syn. sec. Kew WCVP (2019)
- *Cactus sulphureus* Gillies ex Loudon, Hort. Brit.: 196. 1830, nom. inval. syn. sec. Kew WCVP (2019) – *Platyopuntia sulphurea* (Gillies ex Loudon) F.Ritter, Kakteen Südamerika 2: 407. 1980, nom. inval. syn. sec. Kiesling & al. (2014)
- *Opuntia albisetosa* Hildm. ex Hirscht in Monatsschr. Kakteenk. 10: 48. 1900, nom. nud. syn. sec. Britton & Rose (1919)
- Opuntia taponia* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 423. 1896. Sec. Hunt (2016)**
- Opuntia tehuacana* S.Arias & U.Guzmán, Fl. Valle Tehuacán-Cuicatlán 14: 131. 1997. Sec. Hunt (2016)**
- Opuntia tehuantepecana* (Bravo) Bravo in Cact. Suc. Mex. 17(4): 118. 1972. Sec. Hernández & al. (2014)**
- ≡ *Opuntia dillenii* var. *tehuantepecana* Bravo in Cact. Suc. Mex. 9: 55. 1969 syn. sec. Hernández & al. (2014)
- Opuntia tezontepecana* Gallegos & Scheinvar in Novon 23: 158. 2014. Sec. Gallegos & Scheinvar (2014)**

***Opuntia tomentosa* Salm-Dyck, *Observ. Bot. Hort. Dyck. 3: 8. 1822.* Sec. Hunt (2016)**

- = *Cactus tomentosus* Link, Enum. Hort. Berol. Alt. 2: 24. 1822 syn. sec. Kew WCVP (2019)
- = *Opuntia hernandezii* DC. in Mém. Mus. Hist. Nat. 17: 69, t. 16. 1828 syn. sec. Tropicos ≡ *Cactus hernandezii* (DC.) Oken in Allg. Naturgesch. 3(3): 1911. 1841 syn. sec. Kew WCVP (2019) ≡ *Opuntia tomentosa* var. *hernandezii* (DC.) Bravo in Cact. Suc. Mex. 20(4): 96. 1975 syn. sec. Tropicos
- = *Opuntia oblongata* H.Wendl. in Cat. Hort. Herrenh. 1835 syn. sec. Tropicos
- = *Opuntia macdougaliana* Rose in Smithsonian Misc. Collect. 50: 516. 1908 syn. sec. Tropicos ≡ *Opuntia velutina* var. *macdougaliana* (Rose) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Tropicos
- = *Opuntia hernandezii* var. *typica* Rol.-Goss. in Bull. Mus. Natl. Hist. Nat. 15: 507. 1909 syn. sec. Kew WCVP (2019)
- = *Opuntia tomentella* A.Berger in Monatsschr. Kakteenk. 22: 147. 1912 syn. sec. Hunt (2016)
- = *Opuntia icterica* Griffiths in Monatsschr. Kakteenk. 23: 138. 1913 syn. sec. Tropicos
- = *Opuntia micrarthra* Griffiths in Monatsschr. Kakteenk. 23: 130. 1913 syn. sec. Kew WCVP (2019)
- = *Opuntia rileyi* J.G.Ortega, Apuntes Fl. Indig. Sinaloa, Fam. Cact. C.: 8. 1929 syn. sec. Hunt (2016) ≡ *Opuntia tomentosa* var. *rileyi* (J.G.Ortega) Backeb., Cactaceae 1: 542. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia spraguei* G.J.Ortega, Fl. Ind. Sinaloa: 6. 1929 syn. sec. Hunt (2016) ≡ *Opuntia tomentosa* var. *spraguei* (J.G.Ortega) Backeb., Cactaceae 1: 542. 1958 syn. sec. Kew WCVP (2019)
- = *Opuntia sarca* Griffiths ex Scheinvar in Phytologia 49: 328. 1981 syn. sec. Hunt (2016)
- = *Opuntia tomentosa* var. *herrerae* Scheinvar in Phytologia 49: 332. 1981 syn. sec. Kew WCVP (2019)
- *Nopalea sylvestre* Thierry-Menonv., Voy. Guax. 2: 277. 1787, nom. nud. – *Nopal silvestre* Thierry ex Rümpler, Handb. Cacteenk., ed. 2: 929. 1885, nom. inval. syn. sec. Hunt (2016)

***Opuntia tortispina* Engelm. & J.M.Bigelow in *Proc. Amer. Acad. Arts 3: 293. 1856.* Sec. Parfitt & Gibson (2003)**

- = *Opuntia tenuispina* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 294. 1856 syn. sec. Majure (2021)
- = *Opuntia minor* Müll.Hal. in Ann. Bot. Syst. 5: 50. 1858 syn. sec. Majure (2021)
- = *Opuntia oplocarpa* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 431. 1896 syn. sec. Britton & Rose (1919)
- = *Opuntia sanguinocula* Griffiths in Proc. Biol. Soc. Wash. 27: 26. 1914 syn. sec. Kew WCVP (2019)

***Opuntia triacantha* (Willd.) Sweet, *Hort. Brit. 1: 172. 1826.* Sec. Hunt (2016)**

- ≡ *Cactus triacanthos* Willd., Enum. Pl., Suppl.: 34. 1814
- = *Opuntia turbinata* Small, Man. S.E. Fl.: 910. 1933 syn. sec. Hunt (2016)

***Opuntia tuna* (L.) Mill., *Gard. Dict., ed. 8: Opuntia No. 3. 1768.* Sec. Hunt (2016)**

- ≡ *Cactus tuna* L., Sp. Pl.: 468. 1753 syn. sec. Kew WCVP (2019) ≡ *Cactus opuntia* var. *tuna* (L.) DC., Cat. Pl. Horti Monsp.: 13. 1813 syn. sec. Hunt (2016)
- = *Opuntia tuna* var. *cubaguensis* Gentry, Allan Hancock Atlantic Exped. 2(6): 11. 1948 syn. sec. Kew WCVP (2019)
- = *Cactus horridus* Salisb., Prodr. Stirp. Chap. Allerton: 348. 1796 syn. sec. Britton & Rose (1923)
- = *Cactus humilis* Haw., Misc. Nat.: 187. 1803 syn. sec. Hunt (2016)
- = *Opuntia humilis* Haw., Syn. Pl. Succ.: 189. 1812 syn. sec. Kew WCVP (2019)
- = *Opuntia polyantha* Haw., Syn. Pl. Succ.: 190. 1812 syn. sec. Kew WCVP (2019)
- = *Cactus tuna* var. *flava* Sims in Bot. Mag. 38: t. 1557. 1813 syn. sec. Kew WCVP (2019)
- = *Opuntia pseudotuna* Salm-Dyck, *Observ. Bot. Hort. Dyck. 3: 7. 1822* syn. sec. Kew WCVP (2019)
- = *Cactus polyanthos* Sims in Bot. Mag. 53: t. 2691. 1826 syn. sec. Kew WCVP (2019)
- = *Opuntia horrida* Salm-Dyck ex DC., Prodr. 3: 472. 1828 syn. sec. Kew WCVP (2019)
- = *Opuntia coccinea* Pfeiff., Enum. Diagn. Cact.: 161. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia flexibilis* Pfeiff., Enum. Diagn. Cact.: 161. 1837 syn. sec. Kew WCVP (2019)
- = *Opuntia spinaurea* Karw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 46. 1845 syn. sec. Kew WCVP (2019)
- = *Opuntia multiflora* G.Nicholson, Ill. Dict. Gard. 2: 503. 1886 syn. sec. Kew WCVP (2019)
- = *Opuntia tuna* var. *manse* Orcutt in W. Amer. Sci. 7: 157. 1891 syn. sec. Hunt (2016)
- = *Opuntia jamaicensis* Britton & Harris in Torreya 11: 130. 1911 syn. sec. Kew WCVP (2019)
- = *Opuntia ledienii* A.Berger, Hort. Mortol.: 233. 1912 syn. sec. Kew WCVP (2019)
- = *Opuntia megalantha* Griffiths in Bull. Torrey Bot. Club 43: 530. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia maidenii* Griffiths in Bull. Torrey Bot. Club 46: 201. 1919 syn. sec. Kew WCVP (2019)

Opuntia undulata* Griffiths in *Rep. (Annual) Missouri Bot. Gard. 22: 32–33. 1912.* Sec. Hernández & al. (2014)**Opuntia urbaniana* Werderm. in *Repert. Spec. Nov. Regni Veg. 29: 229. 1931.* Sec. Majure (2021)**

- ≡ *Consolea urbaniana* (Werderm.) F.M.Knuth, Kaktus-ABC: 146. 1936 ["1935"]

***Opuntia* ×*vaseyi* (J.M.Coult.) Britton & Rose in *Smithsonian Misc. Collect. 50(4): 532. 1908.* Sec. Parfitt & Gibson (2003)**

- ≡ *Opuntia mesacantha* var. *vaseyi* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 431–432. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia humifusa* var. *vaseyi* (J.M.Coult.) A.Heller in Cat. N. Amer. Pl. ed. 2: 8. 1900 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia occidentalis* var. *vaseyi* (J.M.Coult.) Munz in Aliso 4: 94. 1958 syn. sec. Kew WCVP (2019) ≡ *Opuntia littoralis* var. *vaseyi* (J.M.Coult.) L.D.Benson & Walk. in Ann. Missouri Bot. Gard. 52(3): 268–269. 1965 syn. sec. Parfitt & Gibson (2003) ≡ *Opuntia rafinesquei* var. *vaseyi* (J.M.Coult.) K.Schum. syn. sec. Parfitt & Gibson (2003)
- = *Opuntia covillei* Britton & Rose in Smithsonian Misc. Collect. 50: 532. 1908 syn. sec. Tropicos ≡ *Opuntia* ×*covillei* Britton & Rose in Smithsonian Misc. Collect. 50: 532. 1908 syn. sec. Kew WCVP (2019) ≡ *Opuntia occidentalis* var. *covillei* (Britton & Rose) Parish, Man. Fl. Pl. Calif.: 657. 1925 syn. sec. Tropicos
- = *Opuntia magenta* Griffiths in *Rep. (Annual) Missouri Bot. Gard. 19: 268. 1908* syn. sec. Kew WCVP (2019) ≡ *Opuntia* ×*magenta* Griffiths in *Rep. (Annual) Missouri Bot. Gard. 19: 268. 1908* syn. sec. Kew WCVP (2019)

- = *Opuntia rugosa* Griffiths in Proc. Biol. Soc. Wash. 27: 26. 1914 syn. sec. Kew WCVP (2019) ≡ *Opuntia ×rugosa* Griffiths in Proc. Biol. Soc. Washington 27: 26. 1914 syn. sec. Kew WCVP (2019)
- = *Opuntia rubiflora* Davidson in Bull. S. Calif. Acad. Sci. 15: 33. 1916 syn. sec. Kew WCVP (2019) ≡ *Opuntia ×rubiflora* Davidson in Bull. S. Calif. Acad. Sci. 15: 33. 1916 syn. sec. Kew WCVP (2019)
- = *Opuntia ×occidentalis* var. *covillei* (Britton & Rose) Parish, Man. Fl. Pl. Calif.: 657. 1925 syn. sec. Kew WCVP (2019) ≡ *Opuntia phaeacantha* var. *covillei* (Britton & Rose) Fosberg in Bull. S. Calif. Acad. Sci. 33: 102. 1934 syn. sec. Kew WCVP (2019)
- = *Opuntia ×vaseyi* var. *magenta* Parish, Man. Fl. Pl. Calif.: 657. 1925 syn. sec. Kew WCVP (2019)
- = *Opuntia ×covillei* var. *peircei* Munz in Man. S. Calif. Bot.: 327. 1935 syn. sec. Kew WCVP (2019)
- = *Opuntia littoralis* var. *austrorcalifornica* L.D.Benson & Walk. in Ann. Missouri Bot. Gard. 52(3): 269. 1965 syn. sec. Tropicos
- Opuntia velizii* Lodé in Int. Cact. Advent. 102: 30. 2014. Sec. Pineda & Oyuela (2020)**
- = *Nopalea guatemalensis* Rose in Smithsonian Misc. Collect. 50: 330. 1907 syn. sec. Majure (2021)
- Opuntia velutina* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 389–390. 1904. Sec. Hunt (2016)**
- = *Opuntia atropes* Rose in Smithsonian Misc. Collect. 50: 518. 1908 syn. sec. Hunt (2016)
- = *Opuntia nelsonii* Rose in Smithsonian Misc. Collect. 50: 516. 1908 syn. sec. Tropicos
- = *Opuntia affinis* Griffiths in Proc. Biol. Soc. Wash. 27(6): 27–28. 1914 syn. sec. Tropicos ≡ *Opuntia velutina* var. *affinis* (Griffiths) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Tropicos
- Opuntia ventanensis* M.A.Long in Haseltonia 18: 79, f. 1–4. 2012. Sec. Hunt (2016)**
- Opuntia wilcoxii* Britton & Rose, Cactaceae 1: 172. 1919. Sec. Hunt (2016)**
- Opuntia woodsii* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"]. Sec. Hunt (2016)**
- Opuntia ×wootonii* Griffiths in Rep. (Annual) Missouri Bot. Gard. 21: 171–172, pl. 26 [upper], 27. 1910. Sec. Hunt (2016)**
- Oreocereus* (A.Berger) Riccob. in Boll. Reale Orto Bot. Palermo 8: 258. 1909. Sec. Hunt (2006)**
- Type: *Oreocereus celsianus* (Lem. ex Salm-Dyck) A.Berger ex Riccob.
- ≡ *Cereus* subg. *Oreocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 64. 1905 syn. sec. Hernández-Ledesma & al. (2015)
- = *Arequipa* Britton & Rose, Cactaceae 3: 100. 1922 syn. sec. Hunt (2006). Type: *Arequipa leucotricha* (Phil.) Britton & Rose
- = *Morawetzia* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 73. 1936 syn. sec. Hunt (2006). Type: *Morawetzia doelziana* Backeb.
- = *Arequipiopsis* Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 198. 1941 syn. sec. Hunt (2006). Type: *Arequipiopsis hempeliana* (Gürke) Kreuz. & Buining
- = *Moraquipa* Rüd.Baumgärtner in Hybriden-J. 2012(2): 18. 2012 syn. sec. Kew WCVP (2019)
- Oreocereus australis* (F.Ritter) A.E.Hoffm., Cact. Fl. Silvestre Chile: 80. 1989. Sec. Hunt (2006)**
- ≡ *Arequipa australis* F.Ritter, Kakteen Südamerika 3: 1123. 1980 syn. sec. Hunt (2006)
- Oreocereus celsianus* (Lem. ex Salm-Dyck) A.Berger ex Riccob. in Boll. Reale Orto Bot. Palermo 8: 259. 1909. Sec. Kew WCVP (2019)**
- ≡ *Pilocereus celsianus* Lem. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 185–186. 1850 syn. sec. Kiesling & al. (2014) ≡ *Cereus celsianus* (Lem. ex Salm-Dyck) Orcutt in W. Amer. Sci. 13: 63. 1902 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus celsianus* (Lem. ex Salm-Dyck) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 16. 1904 syn. sec. Kiesling & al. (2014) ≡ *Cereus celsianus* (Lem. ex Salm-Dyck) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 64. 1905 syn. sec. Kew WCVP (2019) ≡ *Borzicactus celsianus* (Lem. ex Salm-Dyck) Kimmach in Cact. Succ. J. (Los Angeles) 32: 59. 1960 syn. sec. Kiesling & al. (2014) ≡ *Echinopsis celsiana* (Lem. ex Salm-Dyck) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Kiesling & al. (2014)
- = *Pilocereus williamsii* Scheidw. ex C.F.Först., Handb. Cacteenk.: 354. 1846 syn. sec. Korotkova (2021)
- = *Pilocereus foveolatus* Labour. ex Lem. in Rev. Hort. (Paris) sér. 4, 4: 428. 1862 syn. sec. Kew WCVP (2019) ≡ *Pilocereus celsianus* var. *foveolatus* (Labour. ex Lem.) Schelle, Handb. Kakteenkult.: 101. 1907 syn. sec. Kew WCVP (2019)
- = *Pilocereus williamsii* Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Kew WCVP (2019) ≡ *Pilocereus celsianus* var. *williamsii* (Lem.) K.Schum., Gesamtbeschr. Kakt.: 180. 1897 syn. sec. Kew WCVP (2019)
- = *Pilocereus kanzleri* J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2: 671. 1885 syn. sec. Kew WCVP (2019)
- = *Pilocereus bruennowii* J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 651, f. 86. 1886 syn. sec. Kiesling & al. (2014) ≡ *Oreocereus bruennowii* (J.N.Haage ex Rümpler) Backeb., Kaktus-ABC: 187. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Oreocereus celsianus* var. *bruennowii* (J.N.Haage ex Rümpler) Borg, Cacti, ed. 2: 154. 1951 syn. sec. Kiesling & al. (2014) ≡ *Pilocereus bruennowii* F.Haage ex Nichols., Ill. Dict. Gard. 3: 127. 1886 syn. sec. Korotkova (2021) ≡ *Cereus bruennowii* (J.N.Haage ex Rümpler) Mottet, Dict. Prat. Hort. 1: 581. 1892–1893 syn. sec. Kew WCVP (2019) ≡ *Pilocereus celsianus* var. *bruennowii* (J.N.Haage ex Rümpler) K.Schum., Gesamtbeschr. Kakt.: 180. 1897 syn. sec. Kew WCVP (2019)
- = *Pilocereus brunnovianus* Moerder in Rev. Hort. 67: 451. 1895 syn. sec. Kew WCVP (2019)
- = *Pilocereus brunnovianus* Moerder in Rev. Hort. (Paris) 67: 451. 1895 syn. sec. Kew WCVP (2019)
- = *Pilocereus celsianus* f. *auratus* K.Schum., Gesamtbeschr. Kakt.: 180. 1897 syn. sec. Kew WCVP (2019)
- = *Pilocereus celsianus* var. *gracilior* K.Schum., Gesamtbeschr. Kakt.: 180. 1897 syn. sec. Kew WCVP (2019) ≡ *Oreocereus fossulatus* var. *gracilior* (K.Schum.) Backeb., Cactaceae 2: 1032. 1959 syn. sec. Kew WCVP (2019)

- = *Pilocereus celsianus* var. *lanuginosior* Salm-Dyck ex K.Schum., Gesamtbeschr. Kakt.: 180. 1897 syn. sec. Kew WCVP (2019)
 ≡ *Oreocereus celsianus* var. *lanuginosior* Salm-Dyck ex Riccob. in Boll. Reale Orto Bot. Palermo 8: 260. 1909 syn. sec. Kew WCVP (2019) ≡ *Oreocereus fossulatus* var. *lanuginosior* (Salm-Dyck ex K.Schum.) W.T.Marshall in Marshall & Bock, Cactaceae: 105. 1941 syn. sec. Kew WCVP (2019)
- = *Cereus fossulatus* Backeb. in Kakteen-Freund 2(1): 4. 1933 syn. sec. Kew WCVP (2019)
- = *Oreocereus maximus* Backeb. in Desert Pl. Life 21: 8. 1949 syn. sec. Kiesling & al. (2014)
- = *Oreocereus neocelsianus* Backeb. in Desert Pl. Life 21: 6. 1949 syn. sec. Kiesling & al. (2014)
- = *Oreocereus fossulatus* var. *rubrispinus* F.Ritter, Kakteen Südamerika 2: 697. 1980 syn. sec. Kew WCVP (2019)
- = *Oreocereus neocelsianus* var. *ruficeps* Y.Itô, Cact. Class. Ill: 179. 1981 syn. sec. Kiesling & al. (2014)
- *Oreocereus neocelsianus* var. *villosissimus* Y.Itô, Cactaceae: 178. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Oreocereus doelzianus* (Backeb.) Borg, Cacti, ed. 1: 115. 1937. Sec. Hunt (2006)**
- ≡ *Morawetzia doelziana* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 73. 1936 syn. sec. Hunt (2006) ≡ *Borzicactus doelzianus* (Backeb.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 59. 1960 syn. sec. Hunt (2006)
- = *Morawetzia doelziana* var. *fuscatispina* Backeb., Kakteenlex.: 281. 1966 syn. sec. Hunt (2006)
- Oreocereus doelzianus* subsp. *calvus* (Rauh & Backeb.) Mottram in Cactaceae Syst. Init. 14: 18. 2002. Sec. Hunt (2006)**
- ≡ *Morawetzia doelziana* var. *calva* Rauh & Backeb., Descr. Cact. Nov. 1: 18. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Morawetzia doelziana* f. *calva* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1366. 1981 syn. sec. Hunt (2006) ≡ *Morawetzia doelziana* subsp. *calva* (Rauh & Backeb.) Guiggi in Cactology 5 (Suppl. II): 2. 2016 syn. sec. Hunt (2006)
- Oreocereus doelzianus* subsp. *doelzianus*. Sec. Hunt (2006)**
- Oreocereus doelzianus* subsp. *sericatus* (F.Ritter) Mottram in Cactaceae Syst. Init. 14: 18. 2002. Sec. Hunt (2006)**
- ≡ *Morawetzia sericata* F.Ritter, Kakteen Südamerika 4: 1367. 1981 syn. sec. Hunt (2006) ≡ *Oreocereus doelzianus* var. *sericatus* (F.Ritter) Lodé in Fichier Encycl. Cact. Autres Succ., Sér. 17: no. 1583. 1996 syn. sec. Hunt (2006) ≡ *Morawetzia doelziana* subsp. *sericata* (F.Ritter) Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 43. 2016 syn. sec. Hunt (2006)
- Oreocereus fossulatus* (Labour.) Backeb. in Kakteen-Freund 3: 14. 1934. Sec. Kiesling & al. (2014)**
- ≡ *Pilocereus fossulatus* Labour. in Rev. Hort. (Paris) sér. 4, 4: 24. 1855 syn. sec. Kiesling & al. (2014) ≡ *Borzicactus fossulatus* (Labour.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 59. 1960 syn. sec. Kiesling & al. (2014) ≡ *Cleistocactus fossulatus* Mottram in Chileans 13(43): 30. 1985 syn. sec. Kiesling & al. (2014)
- = *Oreocereus pseudofossulatus* D.R.Hunt in Bradleya 9: 89. 1991 syn. sec. Kiesling & al. (2014)
- Oreocereus hempelianus* (Gürke) D.R.Hunt in Bradleya 5: 93. 1987. Sec. Hunt (2006)**
- ≡ *Echinopsis hempeliana* Gürke in Monatsschr. Kakteenk. 16: 94. 1906 syn. sec. Hunt (2006) ≡ *Arequipa hempeliana* (Gürke) Oehme in Cactaceae (Berlin) 1940(2): 22. 1940 syn. sec. Hunt (2006) ≡ *Arequipiopsis hempeliana* (Gürke) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 199. 1941 syn. sec. Hunt (2006) ≡ *Borzicactus hempelianus* (Gürke) Donald in Natl. Cact. Succ. J. 25: 71. 1970 syn. sec. Hunt (2006)
- = *Echinocactus rettigii* Quehl in Monatsschr. Kakteenk. 29: 129. 1919 syn. sec. Tropicos ≡ *Arequipa rettigii* (Quehl) Oehme in Cactaceae (Berlin) 1940(2): 21. 1940 syn. sec. Kew WCVP (2019) ≡ *Arequipiopsis rettigii* (Quehl) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 188. 1941 syn. sec. Kew WCVP (2019) ≡ *Borzicactus hempelianus* var. *rettigii* (Quehl) Donald in Natl. Cact. Succ. J. 25: 71. 1970 syn. sec. Hunt (2006) ≡ *Oreocereus rettigii* (Quehl) Buxb. in Krainz, Kakteen 55-56: CVc. 1973 syn. sec. Kew WCVP (2019)
- = *Arequipa weingartiana* Backeb. in Kaktusář 7: 61. 1936 syn. sec. Kew WCVP (2019) ≡ *Arequipiopsis weingartiana* (Backeb.) Kreuz. & Buining in Repert. Spec. Nov. Regni Veg. 50: 199. 1941 syn. sec. Kew WCVP (2019) ≡ *Borzicactus hempelianus* var. *weingartianus* (Backeb.) Donald in Natl. Cact. Succ. J. 25: 71. 1970 syn. sec. Hunt (2006)
- = *Arequipa weingartiana* var. *carminanthema* Backeb. in Kaktusář 7: 61. 1936 syn. sec. Kew WCVP (2019)
- = *Arequipa erectocylindrica* Rauh & Backeb., Descr. Cact. Nov. 1: 18. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Arequipa rettigii* var. *erectocylindrica* (Rauh & Backeb.) Krainz, Kakteen 36: C Vb. 1967 syn. sec. Hunt (2006)
- = *Arequipa spinosissima* F.Ritter in Taxon 13: 115. 1964 syn. sec. Kew WCVP (2019) ≡ *Borzicactus hempelianus* var. *spinosissimus* (F.Ritter) Donald in Natl. Cact. Succ. J. 25: 71. 1970 syn. sec. Hunt (2006)
- = *Arequipa rettigii* var. *borealis* F.Ritter, Kakteen Südamerika 4: 1369. 1981 syn. sec. Kew WCVP (2019)
- = *Arequipa soehrensii* Backeb., Cactaceae 2: 1054. 1959 syn. sec. Kew WCVP (2019) – *Arequipiopsis soehrensii* Kreuz. in Repert. Spec. Nov. Regni Veg. 50: 199. 1941, nom. nud. syn. sec. Hunt (2006)
- Oreocereus hendriksenianus* Backeb., Kaktus-ABC: 186, 411. 1936 ["1935"]. Sec. Hunt (2006)**
- ≡ *Cereus hendriksenianus* Backeb. in Cact. Succ. J. (Los Angeles) 5: 438. 1933 syn. sec. Hunt (2006) ≡ *Borzicactus hendriksenianus* (Backeb.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 92. 1960 syn. sec. Hunt (2006) ≡ *Oreocereus hendriksenianus* var. *hendriksenianus*
- Oreocereus leucotrichus* (Phil.) Wagenkn. in Anales Acad. Chilena Ci. Nat. no. 20: 102. 1956. Sec. Hunt (2006)**
- ≡ *Echinocactus leucotrichus* Phil. in Anales Mus. Nac., Santiago de Chile 1: 27. 1891 syn. sec. Hunt (2006) ≡ *Arequipa leucotricha* (Phil.) Britton & Rose, Cactaceae 3: 101. 1922 syn. sec. Hunt (2006) ≡ *Borzicactus leucotrichus* (Phil.) Kimmach in Cact. Succ. J. (Los Angeles) 32: 93. 1960 syn. sec. Hunt (2006) ≡ *Echinopsis leucotricha* (Phil.) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Korotkova (2021)
- = *Oreocereus variicolor* Backeb. in Cact. Succ. J. (Los Angeles) 23: 20. 1951 syn. sec. Kew WCVP (2019) ≡ *Arequipa variicolor* (Backeb.) Backeb. in Cactus (Paris) 37: 217. 1953 syn. sec. Kew WCVP (2019)

- = *Oreocereus hendriksenianus* var. *densilanatus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 330. 1958 syn. sec. Kew WCVP (2019) ≡ *Oreocereus hendriksenianus* f. *densilanatus* (Rauh & Backeb.) Krainz, Kakteen 23: C Vb. 1963 syn. sec. Kew WCVP (2019)
- = *Oreocereus hendriksenianus* var. *spinosissimus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 331. 1958 syn. sec. Kew WCVP (2019) ≡ *Oreocereus hendriksenianus* f. *spinosissimus* (Rauh & Backeb.) Krainz, Kakteen 23: C Vb. 1963 syn. sec. Kew WCVP (2019)
- = *Oreocereus variicolor* var. *tacnaensis* Backeb., Cactaceae 6: 3696. 1962 syn. sec. Kew WCVP (2019)
- = *Morawetzia variicolor* Kníže in Biota 7: 254. 1969 syn. sec. Kew WCVP (2019)
- = *Oreocereus knizei* Hewitt & Donald in Ashingtonia 2(1): cppo 4. 1975 syn. sec. Kew WCVP (2019)
- Oreocereus ritteri* Cullmann in Kakteen And. Sukk. 9: 101. 1958. Sec. Hunt (2006)**
- = *Oreocereus celsianus* var. *ritteri* Krainz syn. sec. Tropicos
- Oreocereus tacnaensis* F.Ritter, Kakteen Südamerika 4: 1363. 1981. Sec. Hunt (2006)**
- Oreocereus trollii* (Kupper) Backeb. in Monatsschr. Deutsch. Kakteen-Ges. 1: 96. 1929. Sec. Hunt (2006)**
- ≡ *Cereus trollii* Kupper in Monatsschr. Deutsch. Kakteen-Ges. 1: 96, figs. 1929 syn. sec. Hunt (2006) ≡ *Borzicactus trollii* (Kupper) Kimmach in Cact. Succ. J. (Los Angeles) 32: 96. 1960 syn. sec. Hunt (2006) ≡ *Echinopsis trollii* (Kupper) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 40. 2013 syn. sec. Hunt (2006) ≡ *Pilocereus trollii* Kupper in Monatsschr. Deutsch. Kakteen-Ges. 1: 96. 1929 syn. sec. Kew WCVP (2019) ≡ *Borzicactus celsianus* var. *trollii* (Kupper) G.D.Rowley in Excelsa 12: 35. 1986 syn. sec. Hunt (2006)
- = *Oreocereus irigoyenii* Frič in Deutsche Gärt.-Zeitung 45: 43. 1930 syn. sec. Hunt (2006)
- = *Oreocereus crassiniveus* Backeb. in Desert Pl. Life 21: 9. 1949 syn. sec. Hunt (2006) ≡ *Oreocereus trollii* var. *crassiniveus* (Backeb.) Backeb., Cactaceae 2: 1038. 1959 syn. sec. Kew WCVP (2019)
- = *Oreocereus trollii* var. *tenuior* Backeb., Descr. Cact. Nov. 1: 17. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- Oreocereus varicolor* Backeb. in Cact. Succ. J. (Los Angeles) 23: 20. 1951. Sec. Hunt (2006)**
- ≡ *Morawetzia varicolor* (Backeb.) Kníže in Biota 7: 254. 1969 syn. sec. Hunt (2006) ≡ *Oreocereus celsianus* var. *varicolor* (Backeb.) Krainz syn. sec. Tropicos
- = *Oreocereus horridispinus* F.Ritter & Krainz syn. sec. WFO 2019
- Oroya Britton & Rose, Cactaceae 3: 102. 1922. Sec. Hunt (2006)***
- Type: *Oroya peruviana* (K.Schum.) Britton & Rose
- Oroya borchersii* (Boed.) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 487. 1958. Sec. Hunt (2006)**
- ≡ *Echinocactus borchersii* Boed. in Kakteenkunde 1933: 112. 1933 syn. sec. Hunt (2006)
- = *Oroya borchersii* var. *fuscata* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 489. 1958 syn. sec. Brako & Zarucchi (1993) ≡ *Oroya borchersii* f. *fuscata* (Rauh & Backeb.) Krainz, Kakteen 23: C Vb. 1963 syn. sec. Kew WCVP (2019)
- Oroya peruviana* (K.Schum.) Britton & Rose, Cactaceae 3: 102. 1922. Sec. Hunt (2006)**
- ≡ *Echinocactus peruvianus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 113. 1903 syn. sec. Hunt (2006)
- = *Oroya neoperuviana* Backeb., Kaktus-ABC: 282, 416. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Oroya peruviana* var. *neoperuviana* (Backeb.) Slaba in Kaktusy (Brno) 20: 7. 1985 syn. sec. Kew WCVP (2019)
- = *Oroya neoperuviana* var. *depressa* Rauh & Backeb., Descr. Cact. Nov. 1: 32. 1957 ["1956"] syn. sec. Brako & Zarucchi (1993)
- ≡ *Oroya peruviana* var. *depressa* (Rauh & Backeb.) Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 478. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya laxiareolata* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 480. 1958 syn. sec. Brako & Zarucchi (1993) ≡ *Oroya subocculata* var. *laxiareolata* (Rauh & Backeb.) Slaba in Kaktusy (Brno) 21: 34. 1985 syn. sec. Kew WCVP (2019)
- = *Oroya neoperuviana* var. *ferruginea* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 485. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya neoperuviana* var. *tenuispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 487. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya subocculata* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 482. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya subocculata* var. *albispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 483. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya subocculata* var. *fusca* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 484. 1958 syn. sec. Brako & Zarucchi (1993)
- = *Oroya laxiareolata* var. *pluricentralis* Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Brako & Zarucchi (1993) ≡ *Oroya peruviana* var. *pluricentralis* (Backeb.) F.Ritter, Kakteen Südamerika 4: 1511. 1981 syn. sec. Kew WCVP (2019) ≡ *Oroya subocculata* var. *pluricentralis* (Backeb.) Slaba in Kaktusy (Brno) 21: 34. 1985 syn. sec. Kew WCVP (2019)
- = *Oroya baumannii* Kníže in Biota 7(57): 254. 1968 syn. sec. Hunt (1999) ≡ *Oroya peruviana* var. *baumannii* (Kníže) Slaba in Kaktusy 21(1): 10. 1985 syn. sec. Brako & Zarucchi (1993) ≡ *Oroya baumannii* var. *baumannii*
- = *Oroya baumannii* var. *rubripina* Kníže in Biota 7: 254. 1968 syn. sec. Kew WCVP (2019)
- = *Oroya gibbosa* var. *citriflora* Kníže in Biota 7: 57. 1968 syn. sec. Brako & Zarucchi (1993) ≡ *Oroya peruviana* var. *citriflora* (Kníže) Slaba in Kaktusy (Brno) 20: 9. 1985 syn. sec. Kew WCVP (2019)

- = *Oroya peruviana* var. *conaikensis* Donald & A.B.Lau in Natl. Cact. Succ. J. 25: 33. 1970 syn. sec. Kew WCVP (2019)
 = *Oroya gibbosa* F.Ritter, Kakteen Südamerika 4: 1512. 1981 syn. sec. Brako & Zarucchi (1993)
 = *Echinopsis urbis-regium* Molinari & Mayta in Succulentopi@ 14: 20. 2015 syn. sec. Kew WCVP (2019)

***Pachycereus* (A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 420. 1909. Sec. Arias & Terrazas (2009)**

Type: *Pachycereus pringlei* (S.Watson) Britton & Rose

- ≡ *Cereus* subg. *Pachycereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 63. 1905 syn. sec. Arias & Terrazas (2009)
 = *Backebergia* Bravo in Anales Inst. Biol. Univ. Nac. Mexico 24: 230. 1954 syn. sec. Arias & Terrazas (2009)
 = *Pterocereus* T.MacDoug. & Miranda in Ceiba 4: 135. 1954 syn. sec. Arias & Terrazas (2009). Type: *Pterocereus foetidus* T.MacDoug. & Miranda

Notes. – **Phylogenetics:** Phylogenetic studies based on morphological and molecular data show consistently that *Pachycereus* s.str. is a monophyletic group with five species (Arias & al. 2003; Arias & Terrazas 2006, 2009; Arias & al. 2012). Other species previously considered in *Pachycereus* (Buxbaum 1961; Gibson & Horak 1978; Anderson 2001; Hunt 2006; Nyffeler & Egli 2010) have been transferred to *Lemaireocereus*, *Lophocereus*, and *Cephalocereus*. More inclusive and robust new evidence may corroborate or refute the current delimitation of these last genera. *Pachycereus* s.str. includes tree-like species, interareolar grooves on the stems, abundant trichomes on flower, and flexible spines on the fruit. The genera *Backebergia* and *Pterocereus* (both of them monospecific) remain inconclusive on molecular data available (Arias & al. 2003; Hernández-Hernández 2011), therefore their recognition as separate genera remains premature.

Key literature: Monograph by Arias & Terrazas (2009). [Hernández-Ledesma & al. (2015)]

***Pachycereus gaumeri* Britton & Rose, Cactaceae 2: 71. 1920. Sec. Arias & Terrazas (2009)**

- ≡ *Pterocereus gaumeri* (Britton & Rose) T.MacDoug. & Miranda in Ceiba iv: 140. 1954 syn. sec. Arias & Terrazas (2009) ≡ *Anisocereus gaumeri* (Britton & Rose) Backeb., Cactaceae 6: 2155. 1962 syn. sec. Arias & Terrazas (2009)
 = *Cereus yucatanensis* Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 3: 367. 1930 syn. sec. Kew WCVP (2019)
 = *Pterocereus foetidus* T.MacDoug. & Miranda in Ceiba iv: 135. 1954 syn. sec. Hunt (2016) ≡ *Anisocereus foetidus* (T.MacDoug. & Miranda) W.T.Marshall in Saguaro Bull. 11: 35. 1957 syn. sec. Korotkova (2021) ≡ *Pachycereus foetidus* (T.MacDoug. & Miranda) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Hunt (2016) ≡ *Pterocereus gaumeri* subsp. *foetidus* (T.MacDoug. & Miranda) S.Arias & Terrazas in Syst. Bot. 34: 81. 2009 syn. sec. Hunt (2016)

***Pachycereus grandis* Rose in Contr. U.S. Natl. Herb. 12: 421. 1909. Sec. Arias & Terrazas (2009)**

- = *Cereus bergerianus* Vaupel in Monatsschr. Kakteenk. 23: 24. 1913 syn. sec. Kew WCVP (2019)

***Pachycereus militaris* (Audot) D.R.Hunt in Bradleya 5: 93. 1987. Sec. Arias & Terrazas (2009)**

- ≡ *Cereus militaris* Audot in Rev. Hort. (Paris), ser. 2, 4: 307. 1845 syn. sec. Arias & Terrazas (2009) ≡ *Mitrocereus militaris* (Audot) Bravo in Bot. Stud. 12: 54. 1961 syn. sec. Arias & Terrazas (2009) ≡ *Backebergia militaris* (Audot) Bravo ex Sánchez-Mej. in Cact. Succ. J. (Los Angeles) 45: 174. 1973 syn. sec. Arias & Terrazas (2009) ≡ *Cephalocereus militaris* (Audot) H.E.Moore in Bailey 19(4): 165. 1975 syn. sec. Arias & Terrazas (2009) ≡ *Pilocereus militaris* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 40. 1845 syn. sec. Arias & Terrazas (2009) ≡ *Pachycereus militaris* (Audot) P.V.Heath in Calyx 2(3): 108. 1992 syn. sec. Korotkova (2021) – *Backebergia militaris* (Audot) Bravo in Cact. Suc. Mex. 6(4): 90. 1961, nom. inval. syn. sec. Guzmán Cruz & al. (2003)
 = *Pilocereus chrysomallus* Lem., Fl. Serres Jard. Eur. 3: t. 242. 1847 syn. sec. Arias & Terrazas (2009) ≡ *Cephalocereus chrysomallus* (Lem.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 182. 1894 syn. sec. Arias & Terrazas (2009) ≡ *Pachycereus chrysomallus* (Lem.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 421. 1909 syn. sec. Arias & Terrazas (2009) ≡ *Mitrocereus chrysomallus* (Lem.) Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941: 48. 1942 syn. sec. Arias & Terrazas (2009) ≡ *Backebergia chrysomallus* (Lem.) Bravo in Anales Inst. Biol. Univ. Nac. Mexico 24: 231. 1954 syn. sec. Arias & Terrazas (2009) ≡ *Cereus chrysomallus* (Lem.) Lem., Monogr. Cact.: 276. 1853 syn. sec. Tropicos
 = *Mitrocereus chrysomallus* (Audot) Bravo ex Buxb. in Bot. Stud. 12: 54. 1961 syn. sec. Tropicos

***Pachycereus pecten-aboriginum* (Engelm. ex S.Watson) Britton & Rose in Contr. U.S. Natl. Herb. 12: 422. 1909. Sec. Arias & Terrazas (2009)**

- ≡ *Cereus pecten-aboriginum* Engelm. ex S.Watson in Proc. Amer. Acad. Arts 21: 429. 1886 syn. sec. Arias & Terrazas (2009)
 = *Pachycereus tehuantepecanus* T.MacDoug. & Bravo in Cact. Suc. Mex. 1: 64. 1956 syn. sec. Guzmán Cruz & al. (2003) ≡ *Pachycereus pecten-aboriginum* subsp. *tehuantepecanus* (T.MacDoug. & Bravo) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Korotkova (2021)

***Pachycereus pringlei* (S.Watson) Britton & Rose in Contr. U.S. Natl. Herb. 12: 422. 1909. Sec. Arias & Terrazas (2009)**

- ≡ *Cereus pringlei* S.Watson in Proc. Amer. Acad. Arts 20: 368. 1885 syn. sec. Arias & Terrazas (2009) ≡ *Pilocereus pringlei* (S.Watson) F.A.C.Weber, Dict. Hort. 2: 966. 1898 syn. sec. Britton & Rose (1920)
 = *Cereus calvus* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 409. 1896 syn. sec. Arias (2021) ≡ *Pachycereus calvus* (Engelm. ex J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 420. 1909 syn. sec. Arias (2021) ≡ *Pachycereus pringlei* f. *calvus* (Engelm. ex J.M.Coult.) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Arias (2021)
 = *Cereus titan* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3: 409. 1896 syn. sec. Britton & Rose (1920) ≡ *Pachycereus titan* (Engelm. ex J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 422. 1909 syn. sec. Britton & Rose (1920)
 = *Cereus pringlei* var. *calvus* M.E.Jones in Contr. W. Bot. 18: 60. 1933 syn. sec. Kew WCVP (2019)
 = *Pachycereus pringlei* f. *constrictus* P.V.Heath in Calyx 2: 107. 1992 syn. sec. Kew WCVP (2019)
 = *Pachycereus pringlei* f. *cristatus* P.V.Heath in Calyx 2: 107. 1992 syn. sec. Arias & Terrazas (2009)

***Pachycereus tepamo* S.Gama-López & S.Arias in Novon 8(4): 359. 1998.** Sec. Arias & Terrazas (2009)

***Pachycereus weberi* (J.M.Coult.) Backeb., Cactaceae 4: 2152. 1960.** Sec. Arias & Terrazas (2009)

- ≡ *Cereus weberi* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 410. 1896 syn. sec. Arias & Terrazas (2009) ≡ *Lemaireocereus weberi* (J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 426. 1909 syn. sec. Tropicos ≡ *Ritterocereus weberi* (J.M.Coult.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 121. 1951 syn. sec. Tropicos ≡ *Stenocereus weberi* (J.M.Coult.) Buxb. in Bot. Stud. 12: 101. 1961 syn. sec. Arias & Terrazas (2009)
- = *Cereus belieuli* K.Schum., Gesamtbeschr. Kakt.: 107. 1897 syn. sec. Schumann (1897)
- = *Cereus candelabrum* K.Schum., Gesamtbeschr. Kakt.: 106. 1897 syn. sec. Tropicos
- = *Cereus pugionifer* K.Schum., Gesamtbeschr. Kakt.: 107. 1897 syn. sec. Schumann (1897)
- = *Pachycereus grandis* var. *gigas* Backeb. in Beitr. Sukkulenteenk. Sukkulenteenpflege 1941: 2. 1941 syn. sec. Arias (2021) ≡ *Pachycereus gigas* (Backeb.) Backeb., Cactaceae 4: 2154. 1960 syn. sec. Arias (2021) ≡ *Pachycereus weberi* var. *gigas* (Backeb.) P.V.Heath in Calyx 2: 107. 1992 syn. sec. Arias (2021)

***Parodia* Speg. in Anales Soc. Ci. Argent. 96: 70. 1923.** Sec. Anceschi & Magli (2018)

Type: *Parodia microsperma* (F.A.C.Weber) Speg.

- = *Malacocarpus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 24-25, 141. 1850 syn. sec. Anceschi & Magli (2018). Type: *Malacocarpus corynodes* (Otto ex Pfeiff.) Salm-Dyck
- = *Echinocactus* subg. *Notocactus* K.Schum., Gesamtbeschr. Kakt.: 292. 1898 syn. sec. Hunt (2006)
- ≡ *Notocactus* (K.Schum.) Frič in Cacti Price-List 1928: 3. 1928 syn. sec. Anceschi & Magli (2018). Type: *Notocactus schumannianus* (Nicolai) Frič
- = *Hickenia* Britton & Rose, Cactaceae 3: 207. 1922, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Neohickenia* Frič, Cacti Price-List 1928: 3. 1928, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Microspermia* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 170. 1929, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Brasilocactus* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 19. 1935 syn. sec. Anceschi & Magli (2018)
- = *Acanthocephala* Backeb. in Blätt. Kakteenf. 1938(6): 7. 1938 syn. sec. Anceschi & Magli (2018)
- = *Eriocephala* Backeb. in Blätt. Kakteenf. 1938(6): 7, 21. 1938 syn. sec. Anceschi & Magli (2018). Type: *Eriocephala schumanniana* (Nicolai) Guiggi
- ≡ *Eriocactus* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 37. 1942, nom. illeg. syn. sec. Anceschi & Magli (2018). Type: *Eriocactus schumannianus* (Nicolai) Backeb.
- = *Brasilicactus* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941(2): 76. 1942, nom. illeg. syn. sec. Anceschi & Magli (2018). Type: *Brasilicactus graessneri* (K.Schum.) Backeb.
- = *Chrysocactus* Y.Itô in Bull. Takarazuka Insectarium 71: 18. 1950 syn. sec. Kew WCVP (2019)
- = *Dactylanthocactus* Y.Itô, Explan. Diagr. Austroechinocactinae: 294. 1957 syn. sec. Anceschi & Magli (2018)
- = *Sericocactus* Y.Itô, Expl. Diagr.: 223. 1957 syn. sec. Anceschi & Magli (2018)
- = *Wigginsia* D.M.Porter in Taxon 13: 210. 1964 syn. sec. Anceschi & Magli (2018). Type: *Wigginsia corynodes* (Otto ex Pfeiff.) D.M.Porter
- = *Brasiliparodia* F.Ritter, Kakteen Südamerika 1: 144. 1979 syn. sec. Anceschi & Magli (2018). Type: *Brasiliparodia buenekeri* (Buining) F.Ritter
- = *Peronocactus* Doweld in Sukkulenty 2(2): 20. 1999, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Ritterocactus* Doweld in Sukkulenty 1999(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- = *Boliviacactus* Doweld in Sukkulenty 3(1-2): 62. 2000 syn. sec. Anceschi & Magli (2018)

***Parodia alacriportana* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 166. 1949.** Sec. Hunt (2006)

- ≡ *Notocactus alacriportanus* (Backeb. & Voll) Buxb. in Krainz, Kakteen 35: CVIc. 1967 syn. sec. Anceschi & Magli (2018) ≡ *Brasiliparodia alacriportana* (Backeb. & Voll) F.Ritter, Kakteen Südamerika 1: 149. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Brasilicactus alacriportanus* (Backeb. & Voll) Doweld in Sukkulenty 2: 24. 1999 syn. sec. Anceschi & Magli (2018)
- = *Parodia brevihamata* W.Haage ex Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Anceschi & Magli (2018) ≡ *Notocactus brevihamatus* (W.Haage ex Backeb.) Buxb. in Krainz, Kakteen 35: CVIc. 1967 syn. sec. Anceschi & Magli (2018) ≡ *Brasiliparodia brevihamata* (W.Haage ex Backeb.) F.Ritter, Kakteen Südamerika 1: 151. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia alacriportana* subsp. *brevihamata* (W.Haage ex Backeb.) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Brasilicactus brevihamatus* (W.Haage ex Backeb.) Doweld in Sukkulenty 2: 24. 1999 syn. sec. Anceschi & Magli (2018)
- = *Parodia buenekeri* Buining in Succulenta (Netherlands) 1962: 99. 1962 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus buenekeri* (Buining) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Brasiliparodia buenekeri* (Buining) F.Ritter, Kakteen Südamerika 1: 149. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia alacriportana* subsp. *buenekeri* (Buining) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Brasilicactus buenekeri* (Buining) Doweld in Sukkulenty 2: 24. 1999 syn. sec. Anceschi & Magli (2018)
- = *Brasiliparodia brevihamata* f. *conjugens* F.Ritter, Kakteen Südamerika 1: 151. 1979 syn. sec. Hunt (2006)
- = *Brasiliparodia buenekeri* var. *conjugens* F.Ritter, Kakteen Südamerika 1: 150. 1979 syn. sec. Hunt (2006) ≡ *Brasiliparodia buenekeri* f. *conjugens* F.Ritter, Kakteen Südamerika 1: 150. 1979 syn. sec. Hunt (2006) – *Notocactus brevihamatus* f. *conjugens* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Hunt (2006) – *Notocactus buenekeri* f. *conjugens* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Hunt (2006)

- = *Brasiliparodia catarinensis* F.Ritter, *Kakteen Südamerika* 1: 152. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia catarinensis* (F.Ritter) F.H.Brandt in *Kakteen Orch. Rundschau* 7: 65. 1982 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus catarinensis* (F.Ritter) Scheinvar, *Fl. Illustr. Catar.* 1 (Cactac.): 50. 1985 ≡ *Parodia alacriportana* subsp. *catarinensis* (F.Ritter) Hofacker & P.J.Braun in *Cactaceae Consensus Init.* 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Brasilicactus catarinensis* Doweld in *Sukkulenty* 1999(2): 24. 1999 syn. sec. Anceschi & Magli (2018) – *Notocactus catarinensis* (F.Ritter) S.Theun., *Succulenta* (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Brasiliparodia brevihamata* var. *mollispina* F.Ritter, *Kakteen Südamerika* 1: 151. 1979, nom. inval. syn. sec. Hunt (2006) – *Notocactus brevihamatus* var. *mollispinus* (F.Ritter) S.Theun. in *Succulenta* (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Hunt (2006) – *Parodia brevihamata* var. *mollispina* (F.Ritter) F.H.Brandt, *Gattung Parodia* 1: 154. 1989, nom. inval. syn. sec. Hunt (2006)
- *Brasiliparodia buenekeri* var. *intermedia* F.Ritter, *Kakteen Südamerika* 1: 151. 1979, nom. inval. syn. sec. Hunt (2006) – *Notocactus bueneckeri* f. *intermedia* (F.Ritter) S.Theun. in *Succulenta* (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Hunt (2006) – *Parodia buenekeri* var. *intermedia* (F.Ritter) F.H.Brandt, *Gattung Parodia* 1: 154. 1989, nom. inval. syn. sec. Hunt (2006)
- *Notocactus alacriportanus* f. *hamatacanthus* Prestlé in *Internoto* 17: 124. 1996, nom. inval. syn. sec. Hunt (2006)
- *Notocactus brevihamatus* f. *albispinosus* Prestlé in *Internoto* 17: 132. 1996, nom. inval. syn. sec. Hunt (2006)
- Parodia allosiphon* (Marchesi) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus allosiphon* Marchesi in *Bol. Soc. Argent. Bot.* 14: 246, f. 1972 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus allosiphon* (Marchesi) Doweld in *Sukkulenty* 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- Parodia aureicentra* Backeb. in Cactus (Bruxelles) 4: 57. 1934.** Sec. Anceschi & Magli (2018)
- ≡ *Boliviacactus aureicentrus* (Backeb.) Doweld in *Sukkulenty* 3: 62. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia aureicentra* var. *lateritia* Backeb., *Descr. Cact. Nov.* 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Parodia aureicentra* var. *albifusca* F.Ritter in *Cactus* (Paris) 75: 24. 1962 syn. sec. Kew WCVP (2019)
- = *Parodia aureicentra* var. *omniaurea* F.Ritter in *Cactus* (Paris) 75: 24. 1962 syn. sec. Kew WCVP (2019)
- = *Parodia variicolor* F.Ritter in *Taxon* 13: 117. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Parodia aureicentra* var. *variicolor* (F.Ritter) J.G.Lamb., *Cact. Argentine*, ed. 2: 210. 1998 ["1997"] syn. sec. Kew WCVP (2019)
- = *Parodia variicolor* var. *robustispina* F.Ritter in *Taxon* 13: 117. 1964 syn. sec. Hunt (2006)
- = *Parodia muhrii* F.H.Brandt in *Kakteen Orch. Rundschau* 3: 15. 1978 syn. sec. Anceschi & Magli (2018) ≡ *Parodia aureicentra* var. *muhrii* (F.H.Brandt) J.G.Lamb., *Cact. Argentine*, ed. 2: 207. 1998 ["1997"] syn. sec. Kew WCVP (2019)
- = *Parodia rauschii* Backeb. ex D.R.Hunt in *Cactaceae Consensus Init.* 4: 4. 1997 syn. sec. Anceschi & Magli (2018) ≡ *Parodia aureicentra* var. *rauschii* (Backeb. ex D.R.Hunt) J.G.Lamb., *Cact. Argentine*, ed. 2: 209. 1998 ["1997"] syn. sec. Kew WCVP (2019)
- Parodia ayopayana* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 98, f. 53, 54. 1951.** Sec. Anceschi & Magli (2018)
- ≡ *Ritterocactus ayopayanus* (Cárdenas) Doweld in *Sukkulenty* 3: 61. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia miguillensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 33: 109, f. 63, 64. 1961 syn. sec. Kiesling & al. (2014) ≡ *Ritterocactus miguillensis* (Cárdenas) Doweld in *Sukkulenty* 3: 61. 2000 syn. sec. Kiesling & al. (2014)
- = *Parodia comosa* F.Ritter in *Cactus* (Paris) 75: 21. 1962 syn. sec. Kiesling & al. (2014)
- = *Parodia borealis* F.Ritter in *Taxon* 13: 116. 1964 syn. sec. Kiesling & al. (2014)
- = *Parodia echinus* F.Ritter in *Taxon* 13: 117. 1964 syn. sec. Kiesling & al. (2014)
- = *Parodia pseudoayopayana* Cárdenas in *Cact. Succ. J. (Los Angeles)* 42(4): 188. 1970 syn. sec. Kiesling & al. (2014)
- = *Parodia buxbaumiana* F.H.Brandt in *Kaktus* (Odense) 10(4): 81. 1975 syn. sec. Kiesling & al. (2014)
- = *Parodia elata* F.H.Brandt in *Cactus* (Wijnegem) 8: 33. 1976 syn. sec. Kiesling & al. (2014)
- = *Parodia macednosa* F.H.Brandt in *Cactus* (Wijnegem) 9: 42. 1977 syn. sec. Kiesling & al. (2014)
- = *Parodia ayopayana* var. *elata* F.Ritter, *Kakteen Südamerika* 2: 542. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia cotacajensis* F.H.Brandt, *Kakt. Orchid. Rundschau* 1981(3): 56. 1981 syn. sec. Kiesling & al. (2014)
- Parodia buiningii* (Buxb.) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus buiningii* Buxb. in *Kakteen And. Sukk.* 19: 229. 1968 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus buiningii* (Buxb.) Doweld in *Sukkulenty* 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- Parodia calvescens* (N.Gerloff & A.D.Nilson) Anceschi & Magli in Cact. Explor. 6: 33. 2012.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus calvescens* N.Gerloff & A.D.Nilson in *Internoto* 15: 78. 1994 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia calvescens* (N.Gerloff & A.D.Nilson) Font in *Internoto* 28: 14. 2007 syn. sec. Anceschi & Magli (2018) ≡ *Parodia turbinata* subsp. *calvescens* (N.Gerloff & A.D.Nilson) Hofacker in *Kakteen And. Sukk.* 63: 46. 2012 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia turbinata* subsp. *calvescens* (N.Gerloff & A.D.Nilson) Guiggi in *Cactology* 3: 9. 2012 syn. sec. Anceschi & Magli (2018)
- Parodia carambeiensis* (Buining & Brederoo) Hofacker in Cactaceae Consensus Init. 6: 11. 1998.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus carambeiensis* Buining & Brederoo in *Kakteen And. Sukk.* 24(1): 1–3, f. 1973 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus villa-velhensis* var. *carambeiensis* (Buining & Brederoo) N.Gerloff in *Internoto* 11: 131. 1990 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus carambeiensis* (Buining & Brederoo) Doweld in *Sukkulenty* 2(2): 20. 1999 syn. sec. Anceschi & Magli (2018)

= *Notocactus ottonis* var. *villa-velhensis* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 172. 1950 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus carambeiensis* var. *villa-velhensis* (Backeb. & Voll) Šída ex G.Dohnke in Internoto 15(4): 144. 1994 ≡ *Notocactus villa-velhensis* (Backeb. & Voll) Slaba in Kaktusy 20(1): 7. 1984 syn. sec. Anceschi & Magli (2018) – *Notocactus carambeiensis* var. *villa-velhensis* (Backeb. & Voll) Šída in Internoto 12(1): 32. 1991, nom. inval.

***Parodia chrysacanthion* (K.Schum.) Backeb. in Blätt. Kakteenf. 1935(3): 2. 1935.** Sec. Anceschi & Magli (2018)

≡ *Echinocactus chrysacanthion* K.Schum., Gesamtbeschr. Kakt.: 396. 1898 syn. sec. Anceschi & Magli (2018) ≡ *Gymnocalycium chrysacanthion* (K.Schum.) H.Blossf. in Cact. Succ. J. (Los Angeles) 7: 154. 1936 syn. sec. Anceschi & Magli (2018)

= *Parodia saint-pieana* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Anceschi & Magli (2018) ≡ *Boliviacactus saint-pieanus* (Backeb.) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

***Parodia claviceps* (F.Ritter) F.H.Brandt in Kakteen Orch. Rundschau 7: 62. 1982.** Sec. Anceschi & Magli (2018)

≡ *Eriocactus claviceps* F.Ritter in Succulenta (Netherlands) 45: 115. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus claviceps* (F.Ritter) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 89. 1967 syn. sec. Anceschi & Magli (2018) ≡ *Parodia schumanniana* subsp. *claviceps* (F.Ritter) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus schumannianus* subsp. *claviceps* (F.Ritter) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Eriocactus schumannianus* subsp. *claviceps* (F.Ritter) Doweld in Turczaninowia 3(3): 7. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala schumanniana* subsp. *claviceps* (F.Ritter) Guiggi in Cactology 3 (Suppl. III): 1. 2012 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala claviceps* (F.Ritter) Lodé in Cact.-Avent. Int. 99: 25. 2013 syn. sec. Anceschi & Magli (2018)

***Parodia columnaris* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 95, f. 48–50. 1951.** Sec. Anceschi & Magli (2018)

≡ *Boliviacactus columnaris* (Cárdenas) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

= *Parodia legitima* F.H.Brandt in Kaktusz Világ 5: 58. 1975 syn. sec. Anceschi & Magli (2018)

= *Parodia echinopsoides* F.H.Brandt in Kaktus (Odense) 11(2): 40. 1976 syn. sec. Anceschi & Magli (2018)

= *Parodia columnaris* var. *ochraceiflora* F.Ritter, Kakteen Südamerika 2: 539. 1980 syn. sec. Kew WCVP (2019)

***Parodia comarapana* Cárdenas in Revista Agric. (Cochabamba) 7(6): 24. 1951.** Sec. Anceschi & Magli (2018)

≡ *Boliviacactus comarapanus* (Cárdenas) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

= *Parodia comarapana* var. *paucicostata* F.Ritter in Taxon 13: 117. 1964 syn. sec. Kew WCVP (2019)

***Parodia commutans* F.Ritter in Succulenta (Netherlands) 1964: 22. 1964.** Sec. Anceschi & Magli (2018)

≡ *Boliviacactus commutans* (F.Ritter) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

= *Parodia maxima* F.Ritter in Succulenta (Netherlands) 43: 23. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Parodia maassii* f. *maxima* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)

= *Parodia obtusa* F.Ritter in Succulenta (Netherlands) 43: 44. 1964 syn. sec. Anceschi & Magli (2018)

***Parodia concinna* (Monv.) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Hunt (2006)

≡ *Echinocactus concinnus* Monv., Hort. Universel 1: 222. 1839 syn. sec. Hunt (2006) ≡ *Malacocarpus concinnus* (Monv.) Britton & Rose, Cactaceae 3: 192–193. 1922 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* (Monv.) A.Berger, Kakteen: 210. 1929 syn. sec. Kew WCVP (2019) ≡ *Peronocactus concinnus* (Monv.) Doweld in Sukkulenty 2(2): 20. 1999 – *Notocactus apricus* var. *concinus* (Monv.) Y.Itô, Cactaceae: 436. 1981, nom. inval. syn. sec. Hunt (2006)

= *Echinocactus concinnus* var. *tabularis* F.Cels ex Rümpler, Handb. Cacteenk., ed. 2: 552. 1885 syn. sec. Hunt (2006) ≡ *Malacocarpus tabularis* (F.Cels ex Rümpler) Britton & Rose, Cactaceae 3: 193, f. 205. 1922 syn. sec. Hunt (2006) ≡ *Notocactus tabularis* (F.Cels ex Rümpler) A.Berger, Kakteen: 343. 1929 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* var. *tabularis* (F.Cels ex Rümpler) P.V.Heath in Calyx 5(2): 63. 1995 syn. sec. Hunt (2006) ≡ *Parodia tabularis* (F.Cels ex Rümpler) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997 syn. sec. Hunt (2006) ≡ *Peronocactus tabularis* (F.Cels ex Rümpler) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Hunt (2006) – *Notocactus apricus* var. *tabularis* (Cels ex Rümpler) Y.Itô, Cactaceae: 436. 1981, nom. inval. syn. sec. Hunt (2006)

= *Echinocactus joadii* Hook.f. in Bot. Mag. 112: t. 6867. 1886 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus concinnus* var. *joadii* (Hook.f.) Arechav. in Anales Mus. Nac. Montevideo 5: 204. 1905 syn. sec. Kew WCVP (2019) ≡ *Notocactus joadii* (Hook.f.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus concinnus* f. *joadii* (Hook.f.) Havlíček, Kaktusz Világ 18(4): 75. 1989 ["1988"] syn. sec. Hunt (2006)

= *Echinocactus tabularis* Cels ex K.Schum., Gesamtbeschr. Kakt.: 389. 1898 syn. sec. Kew WCVP (2019)

= *Echinocactus apricus* Arechav. in Anales Mus. Nac. Montevideo 5: 205. 1905 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus apricus* (Arechav.) Britton & Rose, Cactaceae 3: 192. 1922 syn. sec. Hunt (2006) ≡ *Notocactus apricus* (Arechav.) A.Berger, Kakteen: 211. 1929 syn. sec. Kew WCVP (2019) ≡ *Notocactus concinnus* var. *apricus* (Arechav.) P.V.Heath in Calyx 5(2): 63. 1995 syn. sec. Kew WCVP (2019) – *Notocactus apricus* (Arechav.) Backeb., Kaktus-ABC: 253. 1936 ["1935"], nom. inval. syn. sec. IPNI: 21 feb 2021

= *Echinocactus caespitosus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 495. 1905 syn. sec. Kew WCVP (2019) ≡ *Freילהa caespitosa* (Speg.) Britton & Rose, Cactaceae 3: 211. 1922 syn. sec. Hunt (2006) ≡ *Notocactus caespitosus* (Speg.) Backeb., Kaktus-ABC: 253. 1936 ["1935"] syn. sec. Hunt (2006) ≡ *Malacocarpus caespitosus* (Speg.) Hosseus in Arch. Esc. Färm. Fac. Ci. Méd. Córdoba 9: 137. 1939 syn. sec. Hunt (2006) ≡ *Parodia caespitosa* (Speg.) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* var. *caespitosus* (Speg.) N.Gerloff & Neduchal in Internoto 25: 55. 2004 syn. sec. Hunt (2006) – *Astrophytum caespitosum* (Speg.) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12 (1): 12. 2005, nom. inval. syn. sec. Hunt (2006)

- = *Notocactus bommeljei* Vliet in Succulenta (Netherlands) 47: 7. 1968 syn. sec. Hunt (2006) ≡ *Parodia tabularis* subsp. *bommeljei* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Hunt (2006) ≡ *Notocactus tabularis* f. *bommeljei* (Vliet) N.Gerloff & Neduchal in Internoto 25: 92. 2004 syn. sec. Hunt (2006) ≡ *Notocactus tabularis* subsp. *bommeljei* (Vliet) Lodé in Cact.-Avent. Int. 98(Suppl.): 8. 2013 syn. sec. Hunt (2006)
- = *Notocactus multicostatus* Buining & Brederoo in Krainz, Kakteen 55-56: CVI c. 1973 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus concinnus* subsp. *multicostatus* (Buining & Brederoo) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* subsp. *multicostatus* (Buining & Brederoo) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Hunt (2006)
- = *Notocactus agnetae* Vliet in Succulenta (Netherlands) 54: 6, f. 1975 syn. sec. Hunt (2006) ≡ *Parodia concinna* subsp. *agnetae* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Hunt (2006) ≡ *Peronocactus concinnus* subsp. *agnetae* (Vliet) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* subsp. *agnetae* (Vliet) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* f. *agnetae* (Vliet) N.Gerloff & Neduchal in Internoto 25: 55. 2004 syn. sec. Hunt (2006)
- = *Notocactus agnetae* var. *aureispinus* Vliet in Succulenta (Netherlands) 54: 10. 1975 syn. sec. Kew WCVP (2019)
- = *Notocactus agnetae* var. *minor* Vliet in Succulenta (Netherlands) 54: 11. 1975 syn. sec. Kew WCVP (2019)
- = *Notocactus blaauwianus* Vliet in Succulenta (Netherlands) 55: 108–109, f. 1976 syn. sec. Hunt (2006) ≡ *Parodia concinna* subsp. *blaauwiana* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Hunt (2006) ≡ *Notocactus multicostatus* var. *blaauwianus* (Vliet) N.Gerloff & Neduchal in Internoto 25: 64. 2004 syn. sec. Hunt (2006)
- = *Notocactus blaauwianus* var. *enormis* Vliet in Succulenta (Netherlands) 55: 113. 1976 syn. sec. Kew WCVP (2019)
- = *Notocactus eremiticus* F.Ritter, Kakteen Südamerika 1: 180. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus concinnus* var. *eremiticus* (F.Ritter) N.Gerloff in Internoto 9: 112. 1988 syn. sec. Hunt (2006)
- = *Notocactus brederooianus* Prestlé in Succulenta (Netherlands) 64: 87. 1985 syn. sec. Kew WCVP (2019)
- = *Notocactus olimarensis* Prestlé in Internoto 6: 94. 1985 syn. sec. Hunt (2006)
- = *Notocactus gibberulus* Prestlé in Succulenta (Netherlands) 65: 142. 1986 syn. sec. Kew WCVP (2019) ≡ *Notocactus concinnus* var. *gibberulus* (Prestlé) N.Gerloff in Internoto 9: 112. 1988 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* f. *gibberulus* (Prestlé) N.Gerloff & Neduchal in Internoto 25: 56. 2004 syn. sec. Hunt (2006)
- = *Notocactus rubrigemmatum* W.R.Abraham in Kakteen And. Sukk. 39: 40. 1988 syn. sec. Kew WCVP (2019) ≡ *Notocactus concinnus* var. *rubrigemmatum* (W.R.Abraham) N.Gerloff in Internoto 9: 112. 1988 syn. sec. Hunt (2006) ≡ *Notocactus concinnus* f. *rubrigemmatum* (W.R.Abraham) N.Gerloff & Neduchal in Internoto 25: 56. 2004 syn. sec. Hunt (2006)
- = *Notocactus concinnus* var. *aceguensis* N.Gerloff in Internoto 10: 105. 1989 syn. sec. Kew WCVP (2019) ≡ *Notocactus concinnus* f. *aceguensis* (N.Gerloff) N.Gerloff & Neduchal in Internoto 25: 55. 2004 syn. sec. Hunt (2006)
- = *Notocactus concinnoides* W.Prauser in Internoto 14(2): 53. 1993 syn. sec. Anceschi & Magli (2018)
- = *Peronocactus tabularis* subsp. *muricatus* Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Kew WCVP (2019) ≡ *Notocactus tabularis* subsp. *muricatus* (Doweld) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Kew WCVP (2019)
- = *Notocactus tabularis* var. *setispinus* W.Prauser in Internoto 28: 31. 2007 syn. sec. Kew WCVP (2019)
- *Notocactus concinnus* (Monv.) Backeb., Kaktus-ABC: 253. 1936 ["1935"], nom. inval. syn. sec. IPNI: 21 feb 2021
- *Notocactus concinnus* var. *pororensis* Dumon in Internoto 17: 100. 1996, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia crassigibba* (F.Ritter) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus crassigibbus* F.Ritter in Succulenta (Netherlands) 49: 108. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus crassigibbus* (F.Ritter) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus uebelmannianus* Buining in Kakteen And. Sukk. 19: 175. 1968 syn. sec. Kew WCVP (2019) [is replaced synonym for *Parodia wernerii* Hofacker] ≡ *Ritterocactus uebelmannianus* (Buining) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Kew WCVP (2019) ≡ *Parodia wernerii* Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Hunt (2006)
- = *Notocactus arachnitis* F.Ritter in Succulenta (Netherlands) 49: 108. 1970 syn. sec. Anceschi & Magli (2018)
- = *Notocactus arachnitis* var. *minor* F.Ritter in Succulenta (Netherlands) 49: 108. 1970 syn. sec. Kew WCVP (2019) ≡ *Notocactus arachnitis* f. *minor* (F.Ritter) N.Gerloff & Neduchal in Internoto 25: 52. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus meonacanthus* Prestlé in Internoto 7(2): 37. 1986 syn. sec. Anceschi & Magli (2018) ≡ *Parodia meonacantha* (Prestlé) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus meonacanthus* (Prestlé) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus uebelmannianus* var. *nilsonii* Königs in Internoto 11: 123. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus uebelmannianus* f. *nilsonii* (Königs) N.Gerloff & Neduchal in Internoto 25: 93. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus uebelmannianus* f. *flaviflorus* N.Gerloff & Königs in Internoto 13: 105. 1992 syn. sec. Kew WCVP (2019)
- = *Notocactus uebelmannianus* var. *pleiocephalus* N.Gerloff & Königs in Internoto 13: 105. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus uebelmannianus* subsp. *pleiocephalus* (N.Gerloff & Königs) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus uebelmannianus* subsp. *pleiocephalus* (N.Gerloff & Königs) Lodé in Cact.-Avent. Int. 98(Suppl.): 8. 2013 syn. sec. Anceschi & Magli (2018) ≡ *Parodia wernerii* subsp. *pleiocephala* (N.Gerloff & Königs) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018)
- = *Notocactus uebelmannianus* f. *gilviflorus* Königs & N.Gerloff in Internoto 14: 70. 1993 syn. sec. Anceschi & Magli (2018)
- = *Notocactus arachnitis* f. *darilhoensis* N.Gerloff in Internoto 18: 119. 1997 syn. sec. Kew WCVP (2019)
- Parodia curvispina* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus curvispinus* F.Ritter, Kakteen Südamerika 1: 189. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus curvispinus* (F.Ritter) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus arnostianus* f. *curvispinus* (F.Ritter) N.Gerloff & Neduchal in Internoto 25: 108. 2004 syn. sec. Anceschi & Magli (2018)
- = *Notocactus rubropedatus* F.Ritter, Kakteen Südamerika 1: 189. 1979 syn. sec. Anceschi & Magli (2018)

= *Notocactus arnostianus* Lisal & Kolarik in Internoto 7(1): 8. 1986 syn. sec. Anceschi & Magli (2018) ≡ *Parodia arnostiana* (Lisal & Kolarik) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus arnostianus* (Lisal & Kolarik) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)

= *Notocactus vilanovensis* C.E.Koch in Internoto 24: 15. 2003 syn. sec. Anceschi & Magli (2018)

***Parodia diersiana* Jucker in Kakteen And. Sukk. 71(9): 261. 2020. Sec. Jucker (2020)**

***Parodia erinacea* (Haw.) N.P.Taylor in Bradleya 5: 93. 1987. Sec. Anceschi & Magli (2018)**

≡ *Cactus erinaceus* Haw., Suppl. Pl. Succ.: 74. 1819 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus erinaceus* (Haw.) Lem., Cact. Aliq. Nov.: 16. 1838 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus corynodes* var. *erinaceus* (Haw.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Tropicos ≡ *Malacocarpus erinaceus* (Haw.) Lem. ex C.F.Först., Handb. Kakteen., ed. 2: 455. 1885 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus acuatus* var. *erinaceus* (Haw.) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 495. 1905 syn. sec. Tropicos ≡ *Wigginsia erinacea* (Haw.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus erinaceus* (Haw.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018)

= *Cactus depressus* Haw., Syn. Pl. Succ.: 173. 1812 syn. sec. Hunt (2006) ≡ *Echinocactus depressus* (Haw.) DC., Prodr. 3: 463. 1828 syn. sec. Kew WCVP (2019) ≡ *Echinocactus acuatus* var. *depressus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 494. 1905 syn. sec. Kew WCVP (2019) ≡ *Wigginsia tephrocantha* var. *depressa* (Speg.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Tropicos ≡ *Notocactus tephrocanthus* var. *depressus* (Speg.) Stuchlík in Repert. Pl. Succ. 44: 14. 1993 syn. sec. Kew WCVP (2019)

= *Echinocactus acuatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 424. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Melocactus acuatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 417. 1827 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus acuatus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia acuata* (Link & Otto) F.Ritter, Kakteen Südamerika 1: 197. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus acuatus* (Link & Otto) S.Theun. in Succulenta (Netherlands) 60: 142. 1981 syn. sec. Anceschi & Magli (2018)

= *Echinocactus sellowii* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 425. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* (Link & Otto) S.Theun. in Succulenta (Netherlands) 60: 141. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Parodia sellowii* (Link & Otto) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997 syn. sec. Anceschi & Magli (2018) ≡ *Melocactus sellowii* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 22. 1827 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus sellowii* K.Schum. in Martius, Fl. Bras. 4(2): 238. 1890 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus acuatus* var. *sellowii* (Link & Otto) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 494. 1905 syn. sec. Kew WCVP (2019) ≡ *Wigginsia sellowii* (Link & Otto) F.Ritter, Kakteen Südamerika 1: 196. 1979 syn. sec. Anceschi & Magli (2018)

= *Echinocactus tephrocanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 422. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Melocactus tephrocanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 16. 1827 syn. sec. Kew WCVP (2019) ≡ *Cereus tephrocanthus* Link & Otto ex Steud., Nomencl. Bot., ed. 2, 1: 336. 1840 syn. sec. Britton & Rose (1922) ≡ *Malacocarpus tephrocanthus* (Link & Otto) K.Schum. in Martius, Fl. Bras. 4(2): 243. 1890 syn. sec. Anceschi & Magli (2018) ≡ *Eriocereus tephrocanthus* (Link & Otto ex Steud.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 244. 1909 ≡ *Trichocereus tephrocanthus* (Link & Otto) Borg, Cacti, ed. 1: 137. 1937 syn. sec. Hunt (2006) ≡ *Wigginsia tephrocantha* (Link & Otto) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus tephrocanthus* (Link & Otto) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus erinaceus* var. *tephrocanthus* (Link & Otto) Krainz, Kakteen 53: CVI c. 1973 syn. sec. Kew WCVP (2019) ≡ *Notocactus sellowii* f. *tephrocanthus* (Link & Otto) Neduchal in Minimus 30: 32. 1999 syn. sec. Kew WCVP (2019)

= *Melocactus poliacanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 16. 1827 syn. sec. Kew WCVP (2019)

= *Echinocactus aciculatus* Salm-Dyck, Hort. Dyck.: 341. 1834 ≡ *Malacocarpus aciculatus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Anceschi & Magli (2018)

= *Echinocactus acutangulus* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 55. 1837 syn. sec. Kew WCVP (2019)

= *Echinocactus corynodes* Otto ex Pfeiff., Enum. Diagn. Cact.: 55. 1837 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus corynodes* (Otto ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus acuatus* var. *corynodes* (Otto ex Pfeiff.) Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 494. 1905 syn. sec. Kew WCVP (2019) ≡ *Wigginsia corynodes* (Otto ex Pfeiff.) D.M.Porter in Taxon 13(6): 211. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus corynodes* (Otto ex Pfeiff.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus acuatus* var. *corynodes* (Otto ex Pfeiff.) Havlíček in Internoto 15(4): 124. 1994 syn. sec. Kew WCVP (2019) ≡ *Notocactus erinaceus* f. *corynodes* (Otto ex Pfeiff.) N.Gerloff, Notokakteen: 152. 1995 syn. sec. Kew WCVP (2019)

= *Echinocactus sellowianus* Pfeiff., Enum. Diagn. Cact.: 55. 1837 syn. sec. Kew WCVP (2019)

= *Echinocactus sessiliflorus* Mackie ex Hook. in Bot. Mag. 64: t. 3569. 1837 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus sessiliflorus* (Mackie ex Hook.) Backeb., Cactaceae 3: 1621. 1959 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia sessiliflora* (Mackie ex Hook.) D.M.Porter in Taxon 13: 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sessiliflorus* (Mackie ex Hook.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) – *Wigginsia sessiliflora* (Mackie ex Hook.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. TPL (2013) [is misspelling for *Wigginsia sessiliflora* (Mackie ex Hook.) D.M.Porter]

- = *Echinocactus courantii* Lem., Cact. Aliq. Nov.: 20. 1838 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus courantii* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sellowii* var. *courantii* (Lem.) Gürke in Monatsschr. Kakteenk. 18: 149. 1908 syn. sec. Kew WCVP (2019) ≡ *Wigginsia courantii* (Lem.) F.Ritter, Kakteen Südamerika 1: 195. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus courantii* (Lem.) S.Theun. in Succulenta (Netherlands) 60: 141. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* var. *courantii* (Lem.) N.Gerloff in Internoto 14(2): 73. 1993 syn. sec. Tropicos
- = *Echinocactus tetracanthus* Lem., Cact. Aliq. Nov.: 15. 1838 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sessiliflorus* var. *tetracanthus* (Lem.) Monv. ex Lem., Cact. Gen. Sp. Nov.: 88. 1839 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus sellowianus* var. *tetracanthus* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850, nom. illeg. syn. sec. Kew WCVP (2019) ≡ *Malacocarpus sellowii* var. *tetracanthus* (Lem.) Salm-Dyck ex K.Schum., Fl. Bras. 4(2): 239. 1890 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus tetracanthus* (Lem.) Rud.Mey. in Monatsschr. Kakteenk. 4: 143. 1894 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sellowii* f. *tetracanthus* (Lem.) Schelle, Handb. Kakteenkult.: 143. 1907 syn. sec. Tropicos ≡ *Notocactus tetracanthus* (Lem.) N.Gerloff, Neduchal & S.Stuchlik, Notokakteen: 167. 1995 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sessiliflorus* f. *tetracanthus* (Lem.) Neduchal in Minimus 30: 33. 1999 syn. sec. Kew WCVP (2019)
- = *Echinocactus terscheckii* Rchb. ex Terscheck in Repert. Bot. Syst. 2: 315. 1843 syn. sec. Britton & Rose (1922)
- = *Malacocarpus sellowianus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus tephrocarpus* var. *spiniosior* Labour., Monogr. Cact.: 171. 1853 syn. sec. Kew WCVP (2019) ≡ *Notocactus erinaceus* var. *spiniosior* (Labour.) G.D.Rowley in Repert. Pl. Succ. 24: 8. 1975 ["1973"] syn. sec. Kew WCVP (2019)
- = *Malacocarpus martini* Labour. ex Rümpler, Handb. Cacteenk., ed. 2: 454. 1885 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sellowii* var. *martini* (Labour. ex Rümpler) K.Schum., Gesamtbeschr. Kakt.: 297. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus sellowii* f. *martini* (Labour. ex Rümpler) Schelle, Handb. Kakteenkult.: 143. 1907 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus sessiliflorus* var. *martini* (Labour. ex Rümpler) Backeb., Cactaceae 4: 1622. 1960 syn. sec. Kew WCVP (2019) ≡ *Wigginsia sessiliflora* var. *martini* (Labour. ex Rümpler) D.M.Porter in Taxon 13: 210. 1964 syn. sec. Kew WCVP (2019)
- = *Echinocactus fricii* Arechav. in Anales Mus. Nac. Montevideo 5: 244. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus fricii* (Arechav.) A.Berger, Kakteen: 207. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia fricii* (Arechav.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus fricii* (Arechav.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* f. *fricii* (Arechav.) N.Gerloff, Notokakteen: 163. 1995 syn. sec. Hunt (2006) ≡ *Eriocactus fricii* Arechav. syn. sec. Tropicos
- = *Echinocactus leucocarpus* Arechav. in Anales Mus. Nac. Montevideo 5: 239. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus leucocarpus* (Arechav.) Backeb., Kaktus-ABC: 252. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia leucocarpa* (Arechav.) D.M.Porter in Taxon 13(6): 211. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus leucocarpus* (Arechav.) G.Schäf. in Kakteen Sukk. 14: 57. 1980 ["1979"] syn. sec. Anceschi & Magli (2018) ≡ *Notocactus acuatus* var. *leucocarpus* (Arechav.) Havlíček in Internoto 15(4): 124. 1994 syn. sec. Tropicos ≡ *Notocactus sellowii* f. *leucocarpus* (Arechav.) N.Gerloff, Notokakteen: 164. 1995 syn. sec. IPNI
- = *Echinocactus pauciareolatus* Arechav. in Anales Mus. Nac. Montevideo 5: 246. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus pauciareolatus* (Arechav.) A.Berger, Kakteen: 207. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus pauciareolatus* (Arechav.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* f. *pauciareolatus* (Arechav.) N.Gerloff in Internoto 14(2): 72. 1993 syn. sec. IPNI ≡ *Wigginsia pauciareolata* (Arechav.) R.Kiesling in Monogr. Syst. Bot. Missouri Bot. Gard. 74: 1246. 1999 syn. sec. Anceschi & Magli (2018) – *Wigginsia sessiliflora* var. *pauciareolata* (Arechav.) Y.Itô, Cactaceae: 446. 1981, nom. inval. syn. sec. Hunt (2006)
- = *Echinocactus sellowii* var. *macracanthus* Arechav. in Anales Mus. Nac. Montevideo 5: 230. 1905 syn. sec. Kew WCVP (2019) ≡ *Echinocactus sellowii* f. *macracanthus* (Arechav.) Schelle, Kakteen: 183. 1926 syn. sec. Tropicos ≡ *Malacocarpus macracanthus* (Arechav.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Hunt (2006) ≡ *Wigginsia sellowii* var. *macracantha* (Arechav.) F.Ritter, Kakteen Südamerika 1: 197. 1979 syn. sec. Hunt (2006)
- = *Echinocactus sellowii* var. *macrogonus* Arechav. in Anales Mus. Nac. Montevideo 5: 232. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sellowii* f. *macrogonus* (Arechav.) Schelle, Kakteen: 183. 1926 syn. sec. Tropicos ≡ *Malacocarpus macrogonus* (Arechav.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia macrogona* (Arechav.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus macrogonus* (Arechav.) G.Schäf. in Kakteen Sukk. 14: 60. 1980 ["1979"] syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* f. *macrogonus* (Arechav.) Havlíček in Internoto 15(3): 89. 1994 syn. sec. IPNI
- = *Echinocactus sellowii* var. *turbinatus* Arechav. in Anales Mus. Nac. Montevideo 5: 235. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus sellowii* f. *turbinatus* (Arechav.) Schelle, Handb. Kakteenkult.: 143. 1907 syn. sec. Hunt (2006) ≡ *Malacocarpus turbinatus* (Arechav.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia turbinata* (Arechav.) D.M.Porter in Taxon 13(6): 211. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus turbinatus* (Arechav.) Krainz in Kakteen And. Sukk. 17: 196. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* f. *turbinatus* (Arechav.) Havlíček in Internoto 15(3): 89. 1994 syn. sec. Kew WCVP (2019) ≡ *Parodia turbinata* (Arechav.) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Eriocactus sellowii* var. *turbinatus* Arechav. syn. sec. TPL (2013)
- = *Echinocactus sellowii* var. *tetracanthus* (Lem.) K.Schum. in Monatsschr. Kakteenk. 18: 150. 1908 syn. sec. Kew WCVP (2019)
- = *Malacocarpus beltranii* Frič in Ceskoslov. Zahradn. Listy 1924: 31. 1924 syn. sec. Korotkova (2021) ≡ *Wigginsia beltranii* Frič ex Z.Fleisch. & Schütz in Friciana 51: 18. 1976 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus beltranii* (Frič ex Z.Fleisch. & Schütz) G.Schäf. in Kakteen Sukk. 14: 36. 1980 ["1979"] syn. sec. Anceschi & Magli (2018) – *Notocactus sellowii* var. *beltranii* (Frič) Neduchal in Minimus 30: 30. 1999, nom. inval. syn. sec. Kew WCVP (2019)

- = *Malacocarpus bezrucii* Frič in Ceskoslov. Zahradn. Listy 1924: 31. 1924 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia bezrucii* (Frič) Z.Fleisch. & Schütz in Friciana 51: 17. 1976 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus bezrucii* (Frič) G.Schäf. in Kakteen Sukk. 14: 36. 1980 ["1979"] syn. sec. Anceschi & Magli (2018) – *Notocactus sellowii* var. *bezrucii* (Frič) Neduchal in Minimus 30: 30. 1999, nom. inval. syn. sec. Kew WCVP (2019)
- = *Malacocarpus kovaricii* Frič in Ceskoslov. Zahradn. Listy 1924: 31. 1924 syn. sec. Korotkova (2021) ≡ *Wigginsia kovaricii* (Frič ex A.Berger) Backeb., Kakteenlex.: 223. 1966 syn. sec. Kew WCVP (2019) ≡ *Notocactus kovaricii* (Frič ex A.Berger) Havlíček in Repert. Pl. Succ. 41: 11. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus neoarechavaletae* var. *kovaricii* (Frič ex A.Berger) Havlíček in Repert. Pl. Succ. 41: 11. 1990 syn. sec. IPNI ≡ *Notocactus neoarechavaletae* f. *kovaricii* (Frič ex A.Berger) Neduchal in Minimus 30: 29. 1999 syn. sec. Kew WCVP (2019)
- = *Malacocarpus rubricostatus* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 23. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia rubricostata* Frič ex Z.Fleisch. & Schütz in Friciana 8/50: 37. 1975 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus rubricostatus* (Frič ex Z.Fleisch. & Schütz) G.Schäf. in Kakteen Sukk. 14: 86. 1980 ["1979"] syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sellowii* f. *rubricostatus* (Frič ex B.Fleisch. & Schütz) N.Gerloff, Notokakteen: 165. 1995 syn. sec. Hunt (2006)
- = *Echinocactus vorwerkianus* Werderm. in Backeberg, Neue Kakteen: 87. 1931 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus vorwerckianus* (Werderm.) Backeb., Kaktus-ABC: 253. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia vorweckiana* (Werderm.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus vorwerkianus* (Werderm.) Krainz in Kakteen And. Sukk. 17: 196. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sessiliflorus* f. *vorwerkianus* (Werderm.) Neduchal in Minimus 30: 34. 1999 syn. sec. Kew WCVP (2019)
- = *Wigginsia stegmannii* (Backeb.) D.M.Porter in Taxon 13(6): 211. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus stegmannii* (Backeb.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus sessiliflorus* var. *stegmannii* (Backeb.) Havlíček in Kaktusy (Brno) 15: 103. 1979 syn. sec. Kew WCVP (2019) – *Malacocarpus stegmannii* Backeb., Cactaceae 3: 1623. 1959, nom. inval. syn. sec. Anceschi & Magli (2018)
- = *Notocactus pulvinatus* Vliet in Succulenta (Netherlands) 49: 50. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Parodia langsdorfii* subsp. *pulvinata* (Vliet) Hofacker & K.Herm in Kakteen And. Sukk. 50: 62. 1999 ≡ *Wigginsia langsdorfii* subsp. *pulvinata* (Vliet) Doweld in Sukkulenty 2(3): 25. 1999 ≡ *Notocactus langsdorfii* var. *pulvinatus* (Vliet) Neduchal in Minimus 30: 28. 1999 ≡ *Ritterocactus langsdorfii* subsp. *pulvinatus* (Vliet) Doweld in Sukkulenty 3: 60. 2000
- = *Wigginsia schaeferiana* W.R.Abraham & J.Theun. in Internoto 9: 24. 1988 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus schaeferianus* (W.R.Abraham & J.Theun.) Havlíček in Internoto 9: 39. 1988 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus turbinatus* f. *schaeferianus* (W.R.Abraham & J.Theun.) Neduchal in Minimus 30: 35. 1999
- = *Notocactus leocarpus* N.Gerloff, Notokakteen: 164. 1995 syn. sec. Kew WCVP (2019)
- = *Echinocactus sellowii* var. *macrocanthus* Arechav. syn. sec. Hunt (2006) ≡ *Malacocarpus macrocanthus* (Arechav.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Kew WCVP (2019) ≡ *Wigginsia macrocantha* (Arechav.) D.M.Porter in Taxon 13(6): 210. 1964 syn. sec. Hunt (2006) ≡ *Notocactus macrocanthus* (Arechav.) G.Schäf. in Kakteen Sukk. 14: 59. 1980 ["1979"] syn. sec. Hunt (2006) ≡ *Notocactus sellowii* f. *macrocanthus* (Arechav.) N.Gerloff in Internoto 14(2): 72. 1993 syn. sec. Hunt (2006) – *Notocactus sellowii* var. *macrocanthus* (Arechav.) S.Theun. in Succulenta (Netherlands) 60: 141. 1981, nom. inval. syn. sec. Hunt (2006)
- = *Malacocarpus bezrucii* var. *centrispinus* Frič in Obveje Novychdruhu Kaktusu, Practicky Radce, Milotice nad Bečvou. 1922 syn. sec. Kew WCVP (2019) – *Wigginsia bezrucii* var. *centrispina* (Frič) Z.Fleisch. & Schütz in Friciana 8(50): 37. 1980, nom. inval. syn. sec. Kew WCVP (2019) – *Notocactus bezrucii* var. *centrispinus* (Frič) S.Theun. in Succulenta (Netherlands) 60: 140. 1981, nom. inval. syn. sec. Kew WCVP (2019) – *Notocactus sellowii* f. *centrispinus* (Frič) Neduchal in Minimus 30: 31. 1999, nom. inval. syn. sec. Kew WCVP (2019)
- = *Malacocarpus bezrucii* var. *corniger* Frič in Obveje Novychdruhu Kaktusu, Practicky Radce, Milotice nad Bečvou. 1922 syn. sec. Kew WCVP (2019) – *Wigginsia bezrucii* var. *corniger* (Frič) Z.Fleisch. & Schütz in Friciana 8(50): 37. 1980, nom. inval. syn. sec. Kew WCVP (2019) – *Notocactus bezrucii* var. *corniger* (Frič) S.Theun. in Succulenta (Netherlands) 60: 140. 1981, nom. inval. syn. sec. Kew WCVP (2019) – *Notocactus sellowii* f. *corniger* (Frič) Neduchal in Minimus 30: 32. 1999, nom. inval. syn. sec. Kew WCVP (2019)
- *Echinocactus sellowii* var. *typicus* Gürke in Monatsschr. Kakteenk. 18: 149. 1908, nom. inval. syn. sec. Hunt (2006)
- Parodia erubescens* (Osten) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997. Sec. Hunt (1997)**
- ≡ *Echinocactus erubescens* Osten in Anales Mus. Hist. Nat. Montevideo, ser. 2, 5(1): 47. 1941 syn. sec. Nyffeler (2021) ≡ *Notocactus erubescens* (Osten) Marchesi in Bol. Soc. Argent. Bot. 14(3): 248. 1972 syn. sec. IPNI ≡ *Ritterocactus erubescens* (Osten) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Kew WCVP (2019)
- = *Notocactus schlosseri* Vliet in Succulenta (Netherlands) 53: 12. 1974 syn. sec. Tropicos ≡ *Notocactus* × *erubescens* f. *schlosseri* (Vliet) N.Gerloff & Neduchal in Internoto 25: 57. 2004 syn. sec. Kew WCVP (2019)
- Parodia formosa* F.Ritter in Succulenta (Netherlands) 1964: 57. 1964. Sec. Anceschi & Magli (2018)**
- = *Parodia cardenasii* F.Ritter in Succulenta (Netherlands) 1964: 58. 1964 syn. sec. Anceschi & Magli (2018)
- = *Parodia chaetocarpa* F.Ritter in Succulenta (Netherlands) 1964: 58. 1964 syn. sec. Anceschi & Magli (2018)
- = *Parodia purpureoaurora* F.Ritter in Succulenta (Netherlands) 1964: 57. 1964 syn. sec. Anceschi & Magli (2018)
- = *Parodia setispina* F.Ritter in Succulenta (Netherlands) 1964: 57. 1964 syn. sec. Anceschi & Magli (2018)
- = *Parodia parvula* F.H.Brandt in Kaktus (Odense) 10(1): 6. 1975 syn. sec. Anceschi & Magli (2018)
- = *Parodia carapariana* F.H.Brandt in Cact. Succ. J. (Los Angeles) 49(3): 119. 1977 syn. sec. Anceschi & Magli (2018)
- = *Parodia pusilla* F.H.Brandt in Cact. Succ. J. (Los Angeles) 49: 120. 1977 syn. sec. Anceschi & Magli (2018)
- = *Parodia chirimoyarana* F.W.Brandt in Cact. Succ. J. (Los Angeles) 50(1): 16, f. 1–3. 1978 syn. sec. Anceschi & Magli (2018)
- = *Parodia pachysa* F.H.Brandt in Frankfurter Kakteenf. 5(4): 5–6. 1978 syn. sec. Anceschi & Magli (2018)
- = *Parodia bellavistana* F.H.Brandt in Kakteen Orch. Rundschau 7(2): 19. 1982 syn. sec. Anceschi & Magli (2018)

- = *Parodia tillii* Weskamp in Succulenta (Netherlands) 67(10): 210. 1988 syn. sec. Anceschi & Magli (2018)
 = *Parodia winbergii* Weskamp in Kakteen And. Sukk. 47(7): 157–159. 1996 syn. sec. Anceschi & Magli (2018)
- Parodia fusca* (F.Ritter) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998.** Sec. Anceschi & Magli (2018)
 ≡ *Notocactus fuscus* F.Ritter, Kakteen Südamerika 1: 178. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus fuscus* (F.Ritter) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus fuscus* (F.Ritter) Doweld in Sukkulenty 3: 60. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus rauschii* var. *fuscus* (F.Ritter) N.Gerloff & Neduchal in Internoto 25: 89. 2004
 = *Notocactus fuscus* var. *longispinus* F.Ritter, Kakteen Südamerika 1: 179. 1979 syn. sec. Hunt (2006)
 = *Notocactus gerloffii* Havlíček in Kaktusz Vilag 18(4): 77. 1989 ["1988"] syn. sec. Anceschi & Magli (2018)
- Parodia gaucha* M.Machado & Larocca in Novon 18(2): 214–219, f. 1, 2. 2008.** Sec. Anceschi & Magli (2018)
 ≡ *Notocactus gaucha* (M.Machado & Larocca) N.Gerloff & H.Henssen in Internoto 29: 75. 2008 syn. sec. Anceschi & Magli (2018)
- Parodia gibbulosa* F.Ritter, Kakteen Südamerika 2: 545. 1980.** Sec. Anceschi & Magli (2018)
 = *Parodia gibbulosoides* F.H.Brandt in Stachelpost 7: 414. 1971 syn. sec. Anceschi & Magli (2018)
- Parodia haselbergii* (F.Haage ex Rümpler) F.H.Brandt in Kakteen Orch. Rundschau 1982(4): 67. 1982.** Sec. Kew WCVP (2019)
 ≡ *Echinocactus haselbergii* Haage ex Rümpler, Handb. Cacteenk., ed. 2: 563. 1885 syn. sec. Hunt (2006) ≡ *Acanthocephala haselbergii* (Haage ex Rümpler) Guiggi in Cactology 3: 6. 2012 syn. sec. Hunt (2006) ≡ *Malacocarpus haselbergii* (Haage ex Rümpler) Britton & Rose, Cactaceae 3: 201. 1922 syn. sec. Kew WCVP (2019) ≡ *Brasilicactus haselbergii* (Haage ex Rümpler) Backeb. ex Jul.Schäff. in Beitr. Sukkulentenkn. Sukkulentenpflege 1942: 38. 1942 syn. sec. Hunt (2006) ≡ *Sericocactus haselbergii* (Haage ex Rümpler) Y.Itô, Explan. Diagr. Austroechinocactinae: 223. 1957 syn. sec. Kew WCVP (2019) ≡ *Notocactus haselbergii* (Haage ex Rümpler) P.V.Heath in Calyx 5(2): 63. 1995 syn. sec. Kew WCVP (2019) ≡ *Parodia haselbergii* subsp. *haselbergii* syn. sec. Kew WCVP (2019)
 = *Echinocactus graessneri* K.Schum. in Monatsschr. Kakteenk. 13: 130. 1903 syn. sec. Hunt (2006) ≡ *Malacocarpus graessneri* (K.Schum.) Britton & Rose, Cactaceae 3: 205. 1922 syn. sec. Kew WCVP (2019) ≡ *Notocactus graessneri* (K.Schum.) A.Berger, Kakteen: 208. 1929 syn. sec. Hunt (2006) ≡ *Brasilicactus graessneri* (K.Schum.) Backeb. in Cactaceae (Berlin) 1941(2): 36. 1942 syn. sec. Kew WCVP (2019) ≡ *Dactylanthocactus graessneri* (K.Schum.) Y.Itô, Explan. Diagr. Austroechinocactinae: 225. 1957 syn. sec. Hunt (2006) ≡ *Parodia graessneri* (K.Schum.) F.H.Brandt in Kakteen Orch. Rundschau 7: 53. 1982 syn. sec. Hunt (2006) ≡ *Parodia haselbergii* subsp. *graessneri* (K.Schum.) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998 syn. sec. Kew WCVP (2019) ≡ *Acanthocephala graessneri* (K.Schum.) Guiggi in Cactology 3 (Suppl. III): 1. 2012 syn. sec. Hunt (2006)
 = *Echinocactus elachisanthus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 11: 387. 1904 syn. sec. Kew WCVP (2019) ≡ *Notocactus elachisanthus* (F.A.C.Weber) Herter in Revista Sudamer. Bot. 7: 76. 1942 syn. sec. Kew WCVP (2019) ≡ *Brasilicactus elachisanthus* (F.A.C.Weber) Backeb., Cactaceae 3: 1578. 1959 syn. sec. Hunt (2006) ≡ *Parodia elachisantha* (F.A.C.Weber) F.H.Brandt in Kakteen Orch. Rundschau 7: 67. 1982 syn. sec. Hunt (2006)
 = *Brasilicactus graessneri* var. *albisetia* Cullmann in Kakteen And. Sukk. 6: 105. 1955 syn. sec. Kew WCVP (2019) ≡ *Notocactus graessneri* var. *albisetia* (Cullmann) Krainz, Kakteen 14: C VIa. 1960 syn. sec. Kew WCVP (2019) ≡ *Notocactus graessneri* f. *albisetus* (Cullmann) N.Gerloff & Neduchal in Internoto 25: 46. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia haselbergii* f. *albisetia* (Cullmann) Trager in Cact. Succ. J. (Los Angeles) 76: 60. 2004 syn. sec. Kew WCVP (2019)
 = *Notocactus graessneri* f. *microdasys* P.J.Braun in Kakteen And. Sukk. 37: 57. 1986 syn. sec. Kew WCVP (2019) ≡ *Parodia haselbergii* f. *microdasys* (P.J.Braun) P.J.Braun in Schumannia 3: 188. 2002 ["2001"] syn. sec. Kew WCVP (2019)
 = *Notocactus haselbergii* f. *cristatus* P.V.Heath in Calyx 5: 63. 1995 syn. sec. Kew WCVP (2019)
 = *Notocactus graessneri* var. *stellatus* Havlíček, Kaktusz Világ 18(4): 78. 1989 ["1988"], nom. inval. syn. sec. Kew WCVP (2019)
- Parodia hausteiniiana* Rausch in Kakteen And. Sukk. 21: 45. 1970.** Sec. Anceschi & Magli (2018)
 ≡ *Bolivicactus hausteiniianus* (Rausch) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)
 = *Parodia laui* F.H.Brandt in Kakteen And. Sukk. 24(11): 244. 1973 syn. sec. Anceschi & Magli (2018)
- Parodia hegeri* Diers, Krahn & Beckert in Kakteen And. Sukk. 56(5): 127. 2005.** Sec. Anceschi & Magli (2018)
- Parodia herteri* (Werderm.) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
 ≡ *Echinocactus herteri* Werderm. in Revista Sudamer. Bot. 3(4/6): 143. 1936 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus herteri* Werderm. in Succulenta (Netherlands) 1950: 17. 1950 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus herteri* (Werderm.) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
 = *Notocactus rubriflorus* Backeb. & F.M.Knuth, Kaktus-ABC: 254. 1936 ["1935"] syn. sec. Anceschi & Magli (2018)
 = *Notocactus pseudoheteri* Buining in Natl. Cact. Succ. J. 26: 2. 1971 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus herteri* f. *pseudoheteri* (Buining) K.Herm in Internoto 10: 39. 1989 syn. sec. Anceschi & Magli (2018)
- Parodia horrida* F.W.Brandt in Cactus (Wijnegem) 11: 113. 1979.** Sec. Anceschi & Magli (2018)
 ≡ *Parodia microsperma* subsp. *horrida* (F.W.Brandt) R.Kiesling & O.Ferrari in Cact. Succ. J. (Los Angeles) 62(4): 198. 1990 syn. sec. Anceschi & Magli (2018)
 = *Parodia atroviridis* Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Anceschi & Magli (2018)
 = *Parodia dextrorhamata* Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Anceschi & Magli (2018)
 = *Parodia rigida* Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. Anceschi & Magli (2018)

- = *Parodia dichroacantha* F.H.Brandt & Weskamp in Kakteen And. Sukk. 18: 87. 1967 syn. sec. Anceschi & Magli (2018) ≡ *Parodia kilianana* var. *dichroacantha* (F.H.Brandt & Weskamp) F.H.Brandt in Kakteen Orch. Rundschau 1: 15. 1975 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* var. *dichroacantha* (F.H.Brandt & Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia horrida* var. *dichroacantha* (F.H.Brandt & Weskamp) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 24: 12. 2007 syn. sec. Kew WCVP (2019)
- = *Parodia superba* F.H.Brandt in Kakteen And. Sukk. 21: 15. 1970 syn. sec. Anceschi & Magli (2018)
- = *Parodia lohaniana* A.B.Lau & Weskamp in Kakteen And. Sukk. 30: 138. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *lohaniana* (A.B.Lau & Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia horrida* f. *lohaniana* (A.B.Lau & Weskamp) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 24: 10. 2007 syn. sec. Kew WCVP (2019)
- = *Parodia piltziorum* Weskamp in Kakteen And. Sukk. 31: 203. 1980 syn. sec. Anceschi & Magli (2018)
- = *Parodia heteracantha* F.Ritter ex Weskamp in Kakteen Sukk. 21: 83. 1986 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *heteracantha* (F.Ritter ex Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia horrida* var. *heteracantha* (F.Ritter ex Weskamp) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 25: 3. 2008 syn. sec. Kew WCVP (2019)
- = *Parodia cachiana* Weskamp, Gattung Parodia 2: 134. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *cachiana* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia horrida* var. *cachiana* (Weskamp) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 24: 6. 2007 syn. sec. Kew WCVP (2019)
- = *Parodia tolimbona* Weskamp, Gattung Parodia 2: 134. 1992 syn. sec. Anceschi & Magli (2018)
- = *Parodia horrida* var. *pluricentralis* Käsinger in Mitteilungsbl. Inter-Parodia-Kette 25: 6. 2008 syn. sec. Kew WCVP (2019)
- = *Parodia microsperma* var. *pluricentralis* (Backeb. ex F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019) – *Parodia pluricentralis* Backeb. ex F.H.Brandt in Stachelpost 7: 365. 1971, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Parodia dextrohamata* var. *stenopetala* Backeb., Descr. Cact. Nov. 3: 10. 1963, nom. inval. syn. sec. Kew WCVP (2019)
- *Parodia kilianana* Backeb., Descr. Cact. Nov. 3: 11. 1963, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Parodia pluricentralis* var. *erythroflora* F.H.Brandt in Kakteen Orch. Rundschau 1: 84. 1976, nom. inval. syn. sec. Kew WCVP (2019)
- *Parodia pluricentralis* var. *xanthoflora* F.H.Brandt in Kakteen Orch. Rundschau 1: 86. 1976, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia horstii* (F.Ritter) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus horstii* F.Ritter in Succulenta (Netherlands) 45: 3. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus horstii* (F.Ritter) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus purpureus* F.Ritter in Succulenta (Netherlands) 49: 109. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus horstii* f. *purpureus* (F.Ritter) K.Herm in Internoto 14: 64. 1993
- = *Notocactus horstii* var. *purpureiflorus* F.Ritter, Kakteen Südamerika 1: 184. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus horstii* f. *purpureiflorus* (F.Ritter) K.Herm in Internoto 14(2): 64. 1993 syn. sec. Kew WCVP (2019)
- = *Wigginsia nothohorstii* Doweld in Sukkulenty 3: 62. 2000 syn. sec. Kew WCVP (2019)
- = *Notocactus katharinae* Vliet in Succulenta (Netherlands) 81: 200. 2002 syn. sec. Anceschi & Magli (2018)
- *Notocactus horstii* f. *muglianus* K.Herm in Internoto 14: 64. 1993, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia ibicuiensis* (Prestlé) Anceschi & Magli in Bradleya 36: 105. 2018.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus ibicuiensis* Prestlé in Internoto 6: 103. 1985 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus glaucinus* var. *ibicuiensis* (Prestlé) N.Gerloff & Neduchal in Internoto 25: 58. 2004
- Parodia langsdorfii* (Lehm.) D.R.Hunt in Cactaceae Consensus Init. 4: 6. 1997.** Sec. Anceschi & Magli (2018)
- ≡ *Cactus langsdorfii* Lehm., Index Sem. (Hamburg): 17. 1826 syn. sec. Anceschi & Magli (2018) ≡ *Melocactus langsdorfii* (Lehm.) DC., Prodr. 3: 461. 1828 syn. sec. Britton & Rose (1922) ≡ *Echinocactus langsdorfii* (Lehm.) Link & Otto in Icon. Pl. Rar. 7-8: 79. 1831 syn. sec. Tropicos ≡ *Malacocarpus langsdorfii* (Lehm.) Britton & Rose, Cactaceae 3: 199. f. 217. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia langsdorfii* (Lehm.) D.M.Porter in Taxon 13(6): 211. 1964 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus langsdorfii* (Lehm.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus langsdorfii* (Lehm.) Doweld in Sukkulenty 3: 60. 2000 syn. sec. Anceschi & Magli (2018)
- = *Echinocactus polyacanthus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 422. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus polyacanthus* (Link & Otto) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 25. 1850 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia polyacantha* (Link & Otto) F.Ritter, Kakteen Südamerika 1: 193. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus polyacanthus* (Link & Otto) S.Theun. in Succulenta (Netherlands) 60: 141. 1981 syn. sec. Anceschi & Magli (2018)
- = *Wigginsia leprosorum* F.Ritter, Kakteen Südamerika 1: 194-195. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus leprosorum* (F.Ritter) Havlíček in Kaktusy (Brno) 17: 8. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus leprosorum* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 141. 1981 syn. sec. Korotkova (2021) ≡ *Notocactus langsdorfii* var. *leprosorum* (F.Ritter) Hofacker in Internoto 14(4): 124. 1993 syn. sec. Kew WCVP (2019)
- = *Wigginsia longispina* F.Ritter, Kakteen Südamerika 1: 198. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus longispinus* (F.Ritter) Havlíček in Kaktusy (Brno) 17: 8. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus longispinus* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 142. 1981 syn. sec. Korotkova (2021) ≡ *Notocactus langsdorfii* var. *longispinus* (F.Ritter) N.Gerloff in Internoto 14(2): 78. 1993 syn. sec. Kew WCVP (2019)

- = *Wigginsia prolifera* F.Ritter, *Kakteen Südamerika* 1: 199. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus prolifer* (F.Ritter) S.Theun. in *Succulenta* (Netherlands) 60: 142. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus langsdorfii* f. *prolifer* (F.Ritter) N.Gerloff in *Internoto* 14(2): 76. 1993 syn. sec. Kew WCVP (2019)
- = *Notocactus neohorstii* var. *prestlei* N.Gerloff in *Internoto* 16: 4. 1995 syn. sec. Kew WCVP (2019) ≡ *Notocactus langsdorfii* f. *prestlei* (N.Gerloff) N.Gerloff in *Internoto* 34: 19. 2013 syn. sec. Kew WCVP (2019)
- = *Notocactus langsdorfii* f. *eddiwarasii* N.Gerloff in *Minimus* 25: 5. 1996 syn. sec. Kew WCVP (2019)
- = *Parodia langsdorfii* subsp. *multiceps* Hofacker & K.Herm in *Kakteen And. Sukk.* 50: 62. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia langsdorfii* subsp. *multiceps* (Hofacker & K.Herm) Doweld in *Sukkulenty* 2(2): 25. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus langsdorfii* f. *multiceps* (Hofacker & K.Herm) Neduchal in *Minimus* 30: 92. 1999 syn. sec. Kew WCVP (2019) ≡ *Ritterocactus langsdorfii* subsp. *multiceps* (Hofacker & K.Herm) Doweld in *Sukkulenty* 3: 60. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus pulvinatus* var. *multiceps* (Hofacker & K.Herm) Garabelli & Wolman in *Internoto* 25: 21. 2004 syn. sec. Kew WCVP (2019)
- = *Wigginsia longispina* var. *infernalis* N.Gerloff & S.H.Klein in *Internoto* 38(3): 69. 2017 syn. sec. Kew WCVP (2019)
- Parodia larapuntensis* Diers & Jucker in *Succulenta* (Netherlands) 94: 116. 2015. Sec. Kew WCVP (2019)**
- Parodia lenninghausii* (F.Haage) F.H.Brandt ex Egli & Hofacker in *Novon* 20: 31. 2010. Sec. Anceschi & Magli (2018)**
- ≡ *Pilocereus lenninghausii* F.Haage, *Cat. (Haage)* 73 (*Ausz. Cact.*): 14. 1896 syn. sec. Egli & Hofacker (2010) ≡ *Malacocarpus lenninghausii* (F.Haage) Britton & Rose, *Cactaceae* 3: 204–205. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus lenninghausii* (F.Haage) A.Berger, *Kakteen*: 209. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala lenninghausii* (F.Haage) Backeb. ex Heinrich in *Kakteenkunde* 1940: 1. 1940 syn. sec. Anceschi & Magli (2018) ≡ *Eriocactus lenninghausii* (F.Haage) Backeb. ex Jul.Schäff. in *Beitr. Sukkulenteenk. Sukkulenteenpflege* 1942: 38. 1942, nom. illeg. syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus lenninghausii* (F.Haage) K.Schum., *Gesamtbeschr. Kakt.*: 382. 1898 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus lenninghausii* (K.Schum.) Backeb., *Kaktus-ABC*: 256. 1936 ["1935"], nom. illeg. syn. sec. Korotkova (2021) – *Pilocereus lenninghausii* F.Haage ex K.Schum. in *Monatsschr. Kakteenk.* 5: 147. 1895, nom. inval. syn. sec. Egli & Hofacker (2010) – *Echinocactus lenninghausii* K.Schum. in *Monatsschr. Kakteenk.* 10: 134. 1900, nom. inval. syn. sec. Egli & Hofacker (2010) – *Parodia lenninghausii* (K.Schum.) F.H.Brandt in *Kakteen Orch. Rundschau* 1982(4): 61. 1982, comb. inval. syn. sec. Hunt (2006) – *Echinocactus lenninghausii* K.Schum. in *Monatsschr. Kakteenk.* 5: 147. 1895, nom. inval. syn. sec. Egli & Hofacker (2010)
- = *Echinocactus lenninghausii* var. *cristatus* Schelle, *Handb. Kakteenkult.*: 178. 1907 syn. sec. WFO 2019
- = *Eriocactus lenninghausii* f. *apeli* Heinrich in *Kakteenkunde* 1940: 1. 1940 syn. sec. WFO 2019 ≡ *Erioccephala lenninghausii* f. *apeli* Heinrich in *Kakteenkunde* 1940: 4. 1940 syn. sec. Kew WCVP (2019) ≡ *Notocactus lenninghausii* f. *apeli* (Heinrich) Krainz, *Kakteen* 38: C VI c. 1968 syn. sec. Kew WCVP (2019)
- = *Eriocactus lenninghausii* var. *minor* F.Ritter, *Kakteen Südamerika* 1: 156. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia lenninghausii* var. *minor* (F.Ritter) F.H.Brandt, *Gattung Parodia* 1: 231. 1989 syn. sec. IPNI ≡ *Notocactus lenninghausii* f. *minor* (F.Ritter) S.Theun. ex Havlíček, *Kaktusz Világ* 18(4): 78. 1989 ["1988"] syn. sec. Kew WCVP (2019) ≡ *Erioccephala lenninghausii* subsp. *minor* (F.Ritter) Guiggi in *Cactology* 3: 6. 2012 syn. sec. Anceschi & Magli (2018) – *Notocactus lenninghausii* var. *minor* (F.Ritter) S.Theun. in *Succulenta* (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus lenninghausii* f. *cristatus* P.V.Heath in *Calyx* 5: 63. 1995 syn. sec. Kew WCVP (2019)
- Parodia linkii* (Lehm.) R.Kiesling in *Cact. Succ. J. (Los Angeles)* 67(1): 22. 1995. Sec. Anceschi & Magli (2018)**
- ≡ *Cactus linkii* Lehm. in *Sem. Hort. Bot. Hamburg.*: 16. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Cereus linkii* (Lehm.) Pfeiff., *Enum. Diagn. Cact.*: 48. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus linkii* (Lehm.) Pfeiff., *Enum. Diagn. Cact.*: 48. 1837 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus linkii* (Lehm.) Britton & Rose, *Cactaceae* 3: 195. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus ottonis* var. *linkii* (Lehm.) Borg, *Cacti*, ed. 1: 261. 1937 syn. sec. Kew WCVP (2019) ≡ *Notocactus linkii* (Lehm.) Herter in *Cactus* (Paris) 42: 120. 1954 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus linkii* (Lehm.) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018)
- = *Echinocactus linkii* var. *spiniosior* C.F.Först., *Handb. Cacteenk.*: 301. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus megapotamicus* Osten in *Anales Mus. Hist. Nat. Montevideo*, ser. 2, 5(1): 72. 1941 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus megapotamicus* Osten ex Herter in *Revista Sudamer. Bot.* 7: 73–74. 1942 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus ottonis* var. *megapotamicus* (Osten ex Herter) Buining in *Succulenta* (Netherlands) 1957: 108. 1957 syn. sec. Kew WCVP (2019)
- = *Notocactus ottonis* var. *multiflorus* Frič ex Buining in *Succulenta* (Netherlands) 1957: 105. 1957 syn. sec. Kew WCVP (2019)
- ≡ *Notocactus linkii* f. *multiflorus* (Frič ex Buining) F.Ritter, *Kakteen Südamerika* 1: 172. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus megapotamicus* f. *multiflorus* (Frič ex Buining) S.Stuchlik in *Repert. Pl. Succ.* 44: 13. 1993 syn. sec. IPNI
- = *Notocactus linkii* var. *flavispinus* Buining & Brederoo in *Kakteen And. Sukk.* 29: 27. 1978 syn. sec. Kew WCVP (2019) ≡ *Notocactus megapotamicus* var. *flavispinus* (Buining & Brederoo) W.R.Abraham & R.W.Buneker in *Kakteen And. Sukk.* 43(1): 21. 1992 syn. sec. Kew WCVP (2019)
- = *Notocactus linkii* var. *bueneri* F.Ritter, *Kakteen Südamerika* 1: 172. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus linkii* var. *guaibensis* F.Ritter, *Kakteen Südamerika* 1: 172. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus megapotamicus* var. *alacriportanus* F.Ritter, *Kakteen Südamerika* 1: 175. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus megapotamicus* var. *crucicentrus* F.Ritter, *Kakteen Südamerika* 1: 176. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus megapotamicus* var. *horstii* F.Ritter, *Kakteen Südamerika* 1: 175. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus megapotamicus* var. *vulgatus* F.Ritter, *Kakteen Südamerika* 1: 175. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus linkii* var. *albispinus* W.R.Abraham in *Succulenta* (Netherlands) 69: 117. 1990 syn. sec. Kew WCVP (2019)

= *Notocactus megapotamicus* var. *multicolorispinus* W.R.Abraham & Büneker in *Kakteen And. Sukk.* 43: 22. 1991 ["1992"] syn. sec. Kew WCVP (2019)

– *Notocactus linkii* f. *websterianus* Debaecke in *Internoto* 9: 58. 1988, nom. inval. syn. sec. Kew WCVP (2019)

***Parodia maassii* (Heese) A.Berger, *Kakteen*: 344. 1929.** Sec. Anceschi & Magli (2018)

≡ *Echinocactus maassii* Heese in *Gartenflora* 56: 410. 1907 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus maassii* (Heese) Britton & Rose, *Cactaceae* 3: 202. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Boliviacactus maassii* (Heese) Doweld in *Sukkulenty* 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

= *Echinocactus escayachensis* Vaupel in *Monatsschr. Kakteenk.* 26: 125. 1916 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus escayachensis* (Vaupel) Britton & Rose, *Cactaceae* 3: 205. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Parodia escayachensis* (Vaupel) Backeb., *Cactaceae* 3: 1612. 1959 syn. sec. Anceschi & Magli (2018)

= *Parodia suprema* F.Ritter in *Cactus (Paris)* 76: 51. 1962 syn. sec. Anceschi & Magli (2018)

= *Parodia maassii* var. *albescens* F.Ritter in *Succulenta (Netherlands)* 1963: 179. 1963 syn. sec. Kew WCVP (2019)

= *Parodia maassii* var. *carminatiflora* F.Ritter in *Succulenta (Netherlands)* 1963: 179. 1963 syn. sec. Kew WCVP (2019)

= *Parodia maassii* var. *intermedia* F.Ritter in *Succulenta (Netherlands)* 1963: 179. 1963 syn. sec. Kew WCVP (2019)

= *Parodia maassii* var. *shaferi* F.Ritter in *Succulenta (Netherlands)* 1963: 179. 1963 syn. sec. Kew WCVP (2019)

= *Parodia koehresiana* F.H.Brandt in *Stachelpost* 8: 113. 1972 syn. sec. Anceschi & Magli (2018)

= *Parodia mendeziiana* F.H.Brandt in *Cactus (Wijnegem)* 8: 93. 1976 syn. sec. Anceschi & Magli (2018)

= *Parodia thieleana* F.H.Brandt in *Kakteen Orch. Rundschau* 1975/76(6): 81. 1976 syn. sec. Anceschi & Magli (2018)

= *Parodia haageana* F.H.Brandt in *Kakteen Orch. Rundschau* 1977(4): 54. 1977 syn. sec. Anceschi & Magli (2018)

= *Parodia lamprospina* F.H.Brandt in *Frankfurter Kakteenf.* 4: 6. 1977 syn. sec. Anceschi & Magli (2018)

= *Parodia bermejoensis* F.H.Brandt in *Kakteen Orch. Rundschau* 1979(3): 33. 1979 syn. sec. Anceschi & Magli (2018)

= *Parodia knizei* F.H.Brandt in *Kakteen Orch. Rundschau* 9: 1. 1984 syn. sec. Anceschi & Magli (2018)

– *Parodia obtusa* var. *atochana* F.H.Brandt in *Frankfurter Kakteenf.* 4(3): 7. 1977, nom. inval. syn. sec. Kew WCVP (2019) – *Parodia obtusa* subsp. *atochana* F.H.Brandt in *Kakteen Orch. Rundschau* 13: 1. 1988, nom. inval. syn. sec. Anceschi & Magli (2018)

– *Parodia maassii* var. *nigrispina* Y.Itô, *Cactaceae*: 453. 1981, nom. inval. syn. sec. Kew WCVP (2019)

– *Parodia maassii* var. *rubripina* Y.Itô, *Cactaceae*: 453. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Parodia magnifica* (F.Ritter) F.H.Brandt in *Kakteen Orch. Rundschau* 1982(4): 62. 1982.** Sec. Anceschi & Magli (2018)

≡ *Eriocactus magnificus* F.Ritter in *Succulenta (Netherlands)* 45(4): 50, f. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus magnificus* (F.Ritter) Krainz in *Kakteen And. Sukk.* 17: 195. 1966 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus magnificus* (F.Ritter) Krainz ex N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 42: 5. 1980 syn. sec. Nyffeler (2021) ≡ *Erioccephala magnifica* (F.Ritter) Guiggi in *Cactology* 3: 6. 2012 syn. sec. Anceschi & Magli (2018)

***Parodia mairanana* Cárdenas in *Natl. Cact. Succ. J.* 12: 84. 1957.** Sec. Anceschi & Magli (2018)

≡ *Boliviacactus mairananus* (Cárdenas) Doweld in *Sukkulenty* 3: 62. 2000 syn. sec. Anceschi & Magli (2018)

= *Parodia mairanana* var. *atra* Backeb., *Descr. Cact. Nov.* 3: 11. 1963 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Parodia neglecta* F.H.Brandt in *Kakteen And. Sukk.* 24(3): 49. 1973 syn. sec. Anceschi & Magli (2018)

= *Parodia neglectoides* F.H.Brandt in *Stachelpost* 9(47): 129. 1973 syn. sec. Anceschi & Magli (2018)

***Parodia maldonadensis* (Herter) Hofacker, *Cact. Explor.* 4: 32. 2012.** Sec. Anceschi & Magli (2018)

≡ *Echinocactus maldonadensis* Herter in *Estud. Bot. Reg. Uruguay* 4: 90. 1931 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus maldonadensis* (Herter) Herter in *Revista Sudamer. Bot.* 7: 216. 1943 syn. sec. Anceschi & Magli (2018) – *Notocactus neoarechavaletae* var. *maldonadensis* (Herter) Havlíček in *Internoto* 15: 126. 1994, nom. inval. syn. sec. Hunt (2006)

= *Echinocactus acutatus* var. *arechavaletae* K.Schum. ex Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 494. 1905 syn. sec. Kew WCVP (2019) ≡ *Wigginsia arechavaletae* (K.Schum. ex Speg.) D.M.Porter in *Taxon* 13(6): 211. 1964 syn. sec. Tropicos

= *Notocactus neoarechavaletae* Havlíček in *Kakt. Vilag* 18(4): 79. 1989 ["1988"] syn. sec. Anceschi & Magli (2018) ≡ *Parodia neoarechavaletae* (Havlíček) D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997 syn. sec. Anceschi & Magli (2018)

– *Notocactus neoarechavaletae* subsp. *miguelaensis* Prestlé in *Minimus* 35: 2. 2004, nom. inval.

***Parodia mammulosa* (Lem.) N.P.Taylor in *Bradleya* 5: 93. 1987.** Sec. Anceschi & Magli (2018)

≡ *Echinocactus mammulosus* Lem., *Cact. Aliq. Nov.*: 40. 1838 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* (Lem.) A.Berger, *Cactearum aliquot novarum*: 40. 1838 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus mammulosus* (Lem.) Britton & Rose, *Cactaceae* 3: 200–201. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mammulosus* (Lem.) Doweld in *Sukkulenty* 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)

= *Echinocactus orthacanthus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 427. 1827 syn. sec. Kew WCVP (2019) ≡ *Notocactus orthacanthus* (Link & Otto) Vliet in *Succulenta (Netherlands)* 49: 185. 1970 syn. sec.

Tropicos ≡ *Melocactus orthacanthus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: t. 18. 1827 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus orthacanthus* (Link & Otto) Herter in *Cactus (Paris)* 41: 92. 1954 syn. sec. Hunt (2006) ≡ *Wigginsia orthacantha* (Herter) Backeb., *Kakteenlex.*: 224. 1966 syn. sec. Kew WCVP (2019) ≡ *Parodia orthacantha* (Link & Otto) Hofacker in *Kakteen And. Sukk.* 54: 225. 2003 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* var.

orthacanthus (Link & Otto) N.Gerloff & Neduchal in *Internoto* 25: 111. 2004 syn. sec. Kew WCVP (2019)

= *Echinocactus hypocrateriformis* Otto & A.Dietr. in *Allg. Gartenzeitung* 6: 169. 1838 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus hypocrateriformis* (Otto & A.Dietr.) Herter in *Revista Sudamer. Bot.* 7: 216. 1943 syn. sec. Anceschi & Magli (2018)

- = *Echinocactus submammulosus* Lem., Cact. Gen. Sp. Nov.: 20. 1839 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus submammulosus* (Lem.) Backeb., Kaktus-ABC: 255. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Parodia submammulosa* (Lem.) R.Kiesling in Cact. Succ. J. (Los Angeles) 67(1): 14–15. 1995 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mammulosa* subsp. *submammulosa* (Lem.) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mammulosus* subsp. *submammulosus* (Lem.) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Parodia submammulosa* subsp. *submammulosa* syn. sec. Anceschi & Magli (2018)
- = *Echinocactus polyocentrus* Lem. ex Salm-Dyck, Cact. Hort. Dyck.: 22. 1841 syn. sec. Kew WCVP (2019)
- = *Echinocactus pampeanus* Speg., Contr. Fl. Sierra Vent.: 27. 1896 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus pampeanus* (Speg.) Backeb., Kaktus-ABC: 254. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus pampeanus* (Speg.) Hosseus in Arch. Esc. Färm. Fac. Ci. Méd. Córdoba 9: 127. 1939 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* var. *pampeanus* (Speg.) A.Cast. & H.V.Lelong, Gen. Sp. Pl. Argent. 1: 100. 1943 syn. sec. Tropicos ≡ *Notocactus submammulosus* var. *pampeanus* (Speg.) Backeb., Cactaceae 3: 1649. 1959 syn. sec. Tropicos
- = *Echinocactus floricomus* Arechav. in Anales Mus. Nac. Montevideo 5: 183. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus floricomus* (Arechav.) A.Berger, Kakteen: 211. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* f. *floricomus* (Arechav.) N.Gerloff & Neduchal in Internoto 25: 110. 2004 syn. sec. Kew WCVP (2019) – *Notocactus floricomus* (Arechav.) Backeb., Kaktus-ABC: 254. 1936 ["1935"], nom. inval. syn. sec. IPNI: 21 feb 2021
- = *Echinocactus mammulosus* var. *hircina* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 496. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus mammulosus* var. *pampeanus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 496. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus mammulosus* var. *submammulosa* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 496. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus pampeanus* var. *charruanus* Arechav. in Anales Mus. Nac. Montevideo 5: 193. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus pampeanus* var. *rubellianus* Arechav. in Anales Mus. Nac. Montevideo 5: 194. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus pampeanus* var. *subplanus* Arechav. in Anales Mus. Nac. Montevideo 5: 194. 1905 syn. sec. Kew WCVP (2019)
- = *Parodia brasiliensis* Speg. in Anales Soc. Ci. Argent. 99: 128. 1925 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus brasiliensis* (Speg.) Werderm. in Backeberg, Neue Kakteen: 88. 1931 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* subsp. *brasiliensis* (Speg.) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Notocactus mueller-moelleri* Frič ex Backeb. & F.M.Knuth, Kaktus-ABC: 254. 1936 ["1935"] ≡ *Notocactus mueller-moelleri* Frič ex Z.Fleisch. & Schütz in Friciana 51: 13. 1976 syn. sec. Anceschi & Magli (2018)
- = *Notocactus floricomus* var. *spinosissimus* Frič ex Buining in Succulenta (Netherlands) 1957: 82. 1957 syn. sec. Kew WCVP (2019)
- = *Notocactus roseoluteus* Vliet in Succulenta (Netherlands) 52(6): 108. 1973 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus herteri* f. *roseoluteus* (Vliet) N.Gerloff & Neduchal in Internoto 25: 60. 2004 ≡ *Notocactus herteri* subsp. *roseoluteus* (Vliet) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013 syn. sec. Anceschi & Magli (2018)
- = *Notocactus eugeniae* Vliet in Succulenta (Netherlands) 55(2): 24. 1976 syn. sec. Hunt (2006) ≡ *Parodia mammulosa* subsp. *eugeniae* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Hunt (2006) ≡ *Ritterocactus mammulosus* subsp. *eugeniae* (Vliet) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Kew WCVP (2019) ≡ *Notocactus mueller-melchersii* var. *eugeniae* (Vliet) N.Gerloff & Neduchal in Internoto 25: 112. 2004 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* subsp. *eugeniae* (Vliet) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013 syn. sec. Kew WCVP (2019)
- = *Notocactus euvelenovskyi* Z.Fleisch. & Schütz in Friciana 51: 24. 1976 syn. sec. Anceschi & Magli (2018)
- = *Notocactus cristatoides* F.Ritter, Kakteen Südamerika 1: 190. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* f. *cristatoides* (F.Ritter) N.Gerloff & Neduchal in Internoto 25: 109. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus mammulosus* var. *brasiliensis* Havlíček in Kaktusy (Brno) 16: 5. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mammulosa* subsp. *brasiliensis* (Havlíček) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mammulosus* subsp. *brasiliensis* (Havlíček) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Kew WCVP (2019)
- = *Notocactus paulus* H.Schloss. & Brederoo in Kakteen And. Sukk. 31: 116. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* var. *paulus* (H.Schloss. & Brederoo) N.Gerloff & Neduchal in Internoto 25: 111. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus megalanthus* H.Schloss. & Brederoo in Kakteen And. Sukk. 32: 157. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus megalanthus* (H.Schloss. & Brederoo) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* var. *megalanthus* (H.Schloss. & Brederoo) N.Gerloff & Neduchal in Internoto 25: 110. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus erythracanthus* H.Schloss. & Brederoo in Kakteen And. Sukk. 36: 189. 1985 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mammulosa* subsp. *erythracantha* (H.Schloss. & Brederoo) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mammulosus* subsp. *erythracanthus* (H.Schloss. & Brederoo) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* var. *erythracanthus* (H.Schloss. & Brederoo) N.Gerloff & Neduchal in Internoto 25: 109. 2004 syn. sec. Kew WCVP (2019) ≡ *Notocactus mammulosus* subsp. *erythracanthus* (H.Schloss. & Brederoo) Lodé in Cact.-Avent. Int. 98(Suppl.): 7. 2013 syn. sec. Anceschi & Magli (2018)
- = *Notocactus macambarensis* Prestlé in Internoto 7: 72. 1986 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mammulosus* f. *macambarensis* (Prestlé) N.Gerloff & Neduchal in Internoto 25: 110. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus ritterianus* Lisal & Kolarik in Internoto 7: 5. 1986 syn. sec. Anceschi & Magli (2018)
- = *Notocactus mammulosus* f. *cristatus* P.V.Heath in Calyx 5: 63. 1995 syn. sec. Kew WCVP (2019)

- = *Parodia submammulosa* subsp. *minor* R.Kiesling in Cact. Succ. J. (Los Angeles) 67: 16. 1995 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus submammulosus* var. *minor* (R.Kiesling) N.Gerloff & Neduchal in Internoto 25: 115. 2004 syn. sec. Anceschi & Magli (2018)
- = *Parodia turecekiana* R.Kiesling in Cact. Succ. J. (Los Angeles) 67(1): 17–19, f. 1–5. 1995 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus turecekianus* (R.Kiesling) W.R.Abraham in Internoto 16(3): 82–86. 1995 syn. sec. Anceschi & Magli (2018)
- = *Notocactus bregmanianus* Vliet in Succulenta (Netherlands) 84: 64. 2005 syn. sec. Kew WCVP (2019)
- *Echinocactus mammulosus* var. *typica* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 496. 1905, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia microsperma* (F.A.C.Weber) Speg. in Anales Soc. Ci. Argent. 96: 70. 1923. Sec. Anceschi & Magli (2018)**
- ≡ *Echinocactus microspermus* F.A.C.Weber in Bois, Dict. Hort.: 469. 1896 syn. sec. Anceschi & Magli (2018) ≡ *Hickenia microsperma* (F.A.C.Weber) Britton & Rose, Cactaceae 3: 207–208. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* subsp. *microsperma* syn. sec. Anceschi & Magli (2018)
- = *Echinocactus microspermus* var. *macrancistrus* K.Schum. in Monatsschr. Kakteenk. 12: 157. 1902 syn. sec. Anceschi & Magli (2018) ≡ *Parodia macrancistra* (K.Schum.) Backeb. in Blätt. Kakteenf. 1935(11): 7. 1935 syn. sec. Anceschi & Magli (2018) ≡ *Parodia macrancistra* (K.Schum.) Y.Itô, Explan. Diagr. Austroechinocactinae: 270. 1957 syn. sec. Kiesling & al. (2014) ≡ *Parodia macrancistra* (K.Schum.) Weskamp, Gattung Parodia 1: 424. 1987 syn. sec. Korotkova (2021) ≡ *Parodia microsperma* var. *macrancistra* (K.Schum.) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Echinocactus catamarcensis* var. *obscura* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 501. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus catamarcensis* var. *pallida* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 500. 1905 syn. sec. Kew WCVP (2019)
- = *Echinocactus microspermus* var. *erythrantha* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 498. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Parodia erythrantha* (Speg.) Backeb. & F.M.Knuth, Kaktus-ABC: 269. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Parodia erythrantha* (Speg.) Y.Itô, Explan. Diagr. Austroechinocactinae: 267. 1957 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* var. *erythrantha* (Speg.) Weskamp in Kakteen And. Sukk. 24: 127. 1973 syn. sec. Kew WCVP (2019) – *Parodia aureispina* var. *erythrantha* (Speg.) F.H.Brandt in Kakteen Orch. Rundschau 1: 13. 1975, nom. inval. syn. sec. Kew WCVP (2019)
- = *Echinocactus microspermus* var. *thionanthus* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 498. 1905 syn. sec. Tropicos ≡ *Parodia microsperma* var. *thionantha* (Speg.) Y.Itô, Cacti, ed. 2: 76. 1952
- = *Echinocactus amambayensis* Werderm. in Backeberg, Neue Kakteen: 88. 1931 syn. sec. Kew WCVP (2019) ≡ *Parodia amambayensis* (Werderm.) Borg, Cacti, ed. 1: 266. 1937 syn. sec. Kew WCVP (2019)
- = *Parodia aureispina* Backeb. in Blätt. Kakteenf. 1934(7): 6. 1934 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* subsp. *aureispina* (Backeb.) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia mutabilis* Backeb. in Blätt. Kakteenf. 1934(7): 8. 1934 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *mutabilis* (Backeb.) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia aureispina* var. *mutabilis* (Backeb.) Käisinger in Mitteilungsbl. Inter-Parodia-Kette 29: 5. 2013 syn. sec. Kew WCVP (2019)
- = *Parodia sanguiniflora* Backeb. in Blätt. Kakteenf. 1934(12): 4. 1934 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mutabilis* var. *sanguiniflora* (Backeb.) F.H.Brandt in Kakteen Orch. Rundschau 1: 13. 1975 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* subsp. *sanguiniflora* (Backeb.) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia setifera* Backeb. in Blätt. Kakteenf. 1934(7): 7. 1934 syn. sec. Anceschi & Magli (2018)
- = *Parodia sanagasta* Weing., Kaktusár 1935: 8. 1935 syn. sec. Kew WCVP (2019)
- = *Parodia catamarcensis* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* subsp. *catamarcensis* (Backeb.) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004
- = *Parodia microthele* Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Parodia scopoides* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Anceschi & Magli (2018)
- = *Parodia setifera* var. *longihamata* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C: t. 144. 1938 syn. sec. Kew WCVP (2019)
- = *Parodia rigidispina* Krainz in Schweizer Gart. 1945: 281. 1945 syn. sec. Anceschi & Magli (2018)
- = *Parodia mutabilis* var. *carneospina* Backeb. in Cact. Succ. J. (Los Angeles) 23: 84. 1951 syn. sec. Kew WCVP (2019)
- = *Parodia aureispina* var. *elegans* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Parodia haemantha* Y.Itô, Explan. Diagr. Austroechinocactinae: 267. 1957 syn. sec. Kew WCVP (2019)
- = *Parodia mutabilis* var. *elegans* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Parodia catamarcensis* var. *rubriflorens* Backeb., Descr. Cact. Nov. 3: 10. 1963 syn. sec. Kew WCVP (2019)
- = *Parodia fechseri* Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. Anceschi & Magli (2018)
- = *Parodia fuscoviridis* Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. Anceschi & Magli (2018) – *Parodia fuscoviridis* Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. TPL (2013) [is misspelling for *Parodia fuscoviridis* Backeb.]
- = *Parodia rubelliamata* F.Ritter ex Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. Anceschi & Magli (2018)
- = *Parodia sanagasta* var. *viridior* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Kew WCVP (2019)
- = *Parodia tafiensis* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Kew WCVP (2019)
- = *Parodia erythrantha* var. *thionantha* (Speg.) Backeb., Kakteenlex.: 342. 1966 syn. sec. Kew WCVP (2019)
- = *Parodia microsperma* var. *cafiyatensis* Backeb., Kakteenlex.: 345. 1966 syn. sec. Kew WCVP (2019)
- = *Parodia rubelliamata* var. *aureiflora* Backeb., Kakteenlex.: 348. 1966 syn. sec. Kew WCVP (2019)
- = *Parodia tuberculocostata* Backeb., Kakteenlex.: 351. 1966 syn. sec. Kew WCVP (2019)

- = *Parodia matthesiana* Heinrich in Kakteen Sukk. 5: 37. 1968 syn. sec. Anceschi & Magli (2018)
- = *Parodia weskampiana* Krasucka & Spanowski in Kakteen Sukk. 5: 45. 1968 syn. sec. Anceschi & Magli (2018)
- = *Parodia malyana* Rausch in Kakteen And. Sukk. 20: 8. 1969 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *malyana* (Rausch) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia thionantha* F.H.Brandt in Kakteen And. Sukk. 20: 156. 1969 syn. sec. Anceschi & Magli (2018)
- = *Parodia weberiana* F.H.Brandt in Kakteen And. Sukk. 20: 206. 1969 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *weberiana* (F.H.Brandt) J.G.Lamb., Cact. Argentine, ed. 2: 240. 1998 ["1997"] syn. sec. Kew WCVP (2019)
- = *Parodia spgazziniana* F.H.Brandt in Stachelpost 7: 367. 1971 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* subsp. *spgazziniana* (F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 15. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia campestris* F.H.Brandt in Kaktus (Odense) 10: 61. 1975 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *campestris* (F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia aureispina* var. *erythrostaminea* F.H.Brandt in Kakteen Orch. Rundschau 1: 42. 1976 syn. sec. Kew WCVP (2019)
- = *Parodia microsperma* var. *opulenta* F.H.Brandt in Kakteen Orch. Rundschau 1: 67. 1976 syn. sec. Kew WCVP (2019)
- = *Parodia microsperma* var. *rigidissima* F.H.Brandt in Kakteen Orch. Rundschau 1: 68. 1976 syn. sec. Kew WCVP (2019)
- = *Parodia papagayana* F.H.Brandt in Kaktus (Odense) 11: 88. 1976 syn. sec. Anceschi & Magli (2018)
- = *Parodia sanagasta* var. *saltensis* F.H.Brandt in Kakteen Orch. Rundschau 1: 40. 1976 syn. sec. Kew WCVP (2019)
- = *Parodia spgazziniana* var. *aurea* F.H.Brandt in Kakteen Orch. Rundschau 1: 83. 1976 syn. sec. Kew WCVP (2019)
- = *Parodia talaensis* F.H.Brandt in Cactus (Wijnegem) 8: 57. 1976 syn. sec. Anceschi & Magli (2018)
- = *Parodia albofuscata* F.H.Brandt in Kakteen Orch. Rundschau 2: 22. 1977 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* subsp. *albofuscata* (F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia capillitaensis* F.H.Brandt in Kaktusz Vilag 7: 50. 1977 syn. sec. Anceschi & Magli (2018)
- = *Parodia mesembrina* F.H.Brandt in Kakteen Orch. Rundschau 2: 34. 1977 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* subsp. *mesembrina* (F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia catamarcensis* var. *mesembrina* (F.H.Brandt) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 27: 18. 2011 syn. sec. Kew WCVP (2019)
- = *Parodia microsperma* var. *aurantiaca* F.H.Brandt in Kakteen Orch. Rundschau 2: 26. 1977 syn. sec. Kew WCVP (2019)
- = *Parodia spanisa* F.H.Brandt in Kakteen Orch. Rundschau 1977: 22-24. 1977 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *spanisa* (F.H.Brandt) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 15. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia spgazziniana* var. *spanisa* (F.H.Brandt) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 26: 19. 2009 syn. sec. Kew WCVP (2019)
- = *Parodia tuberculoscistata* var. *amblayana* F.H.Brandt in Frankfurter Kakteenf. 4(3): 7. 1977 syn. sec. Kew WCVP (2019)
- = *Parodia hummeliana* A.B.Lau & Weskamp in Kakteen And. Sukk. 29: 227. 1978 syn. sec. Anceschi & Magli (2018)
- = *Parodia betaniana* F.Ritter, Kakteen Südamerika 2: 426. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia setifera* f. *betaniana* (F.Ritter) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 20: 5. 2003 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* var. *betaniana* (F.Ritter) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004
- = *Parodia chlorocarpa* F.Ritter, Kakteen Südamerika 2: 427. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia setifera* f. *chlorocarpa* (F.Ritter) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 21: 3. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia glischrocarpa* F.Ritter, Kakteen Südamerika 2: 427. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *glischrocarpa* (F.Ritter) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia hummeliana* var. *glischrocarpa* (F.Ritter) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 26: 6. 2009 syn. sec. Hunt (2006)
- = *Parodia rubristaminea* F.Ritter, Kakteen Südamerika 2: 428. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *rubristaminea* (F.Ritter) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia hummeliana* var. *rubristaminea* (F.Ritter) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 26: 3. 2009
- = *Parodia sanguiniflora* var. *comata* F.Ritter, Kakteen Südamerika 2: 428. 1980 syn. sec. Kew WCVP (2019)
- = *Parodia uebelmanniana* F.Ritter, Kakteen Südamerika 2: 425. 1980 syn. sec. Anceschi & Magli (2018)
- = *Parodia catamarcensis* var. *albispina* Y.Itô, Cactaceae: 450. 1981 syn. sec. Kew WCVP (2019)
- = *Parodia herzogii* Rausch in Kakteen And. Sukk. 32: 31. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *herzogii* (Rausch) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* subsp. *herzogii* (Rausch) Janeba in CactusWorld 31: 116. 2013 syn. sec. Anceschi & Magli (2018)
- = *Parodia malyana* var. *igneuiflora* F.H.Brandt in Kakteen Orch. Rundschau 6: 96. 1981 syn. sec. Anceschi & Magli (2018)
- = *Parodia cardenasii* var. *maior* F.H.Brandt in Kakteen Orch. Rundschau 8: 36. 1983 syn. sec. Kew WCVP (2019)
- = *Parodia mercedesiana* Weskamp in Kakteen And. Sukk. 35: 57. 1984 syn. sec. Anceschi & Magli (2018)
- = *Parodia weberioides* F.H.Brandt in Letzeb. Cacteeffren 5(2): 29. 1984 syn. sec. Anceschi & Magli (2018)
- = *Parodia argerichiana* Weskamp in Kakteen And. Sukk. 36: 9. 1985 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *argerichiana* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia minuscula* Rausch in Succulenta (Netherlands) 64: 230. 1985 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *minuscula* (Rausch) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia minima* Rausch in Succulenta (Netherlands) 64: 178. 1986 syn. sec. Anceschi & Magli (2018)
- = *Parodia riojensis* F.Ritter & Weskamp, Gattung Parodia: 474. 1987 syn. sec. Anceschi & Magli (2018) ≡ *Parodia catamarcensis* var. *riojensis* (F.Ritter & Weskamp) J.G.Lamb., Cact. Argentine, ed. 2: 226. 1998 ["1997"] syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* var. *riojensis* (F.Ritter & Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)

- = *Parodia tuberculoscistata* var. *cafayatensis* (Backeb.) Weskamp, Gattung *Parodia* 1: 520. 1987 syn. sec. Kew WCVP (2019)
- = *Parodia wagneriana* Weskamp in Kakteen And. Sukk. 22: 70. 1987 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *wagneriana* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia mesembrina* var. *juanensis* Weskamp in Kakteen And. Sukk. 41: 123. 1990 syn. sec. Kew WCVP (2019) ≡ *Parodia microsperma* var. *juanensis* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia nana* Weskamp in Kakteen And. Sukk. 41: 187. 1990 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *nana* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia tucumanensis* Weskamp in Succulenta (Netherlands) 69: 137. 1990 syn. sec. Anceschi & Magli (2018)
- = *Parodia aconquijaensis* Weskamp in Kakteen And. Sukk. 42: 90. 1991 syn. sec. Anceschi & Magli (2018)
- = *Parodia belenensis* Weskamp, Gattung *Parodia* 2: 137. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *belenensis* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 13. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia cebilarensis* Weskamp, Gattung *Parodia* 2: 136. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *cebilarensis* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia guachipasana* Weskamp, Gattung *Parodia* 2: 153. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *guachipasana* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 14. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia heyeriana* Weskamp, Gattung *Parodia* 2: 160. 1992 syn. sec. Anceschi & Magli (2018)
- = *Parodia lembckeii* Weskamp, Gattung *Parodia* 2: 135. 1992 syn. sec. Anceschi & Magli (2018) ≡ *Parodia microsperma* var. *lembckeii* (Weskamp) Brickwood in Mitteilungsbl. Inter-Parodia-Kette 22: 15. 2004 syn. sec. Kew WCVP (2019) ≡ *Parodia spgazziniana* var. *lembckeii* (Weskamp) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 26: 15. 2009 syn. sec. Kew WCVP (2019)
- = *Parodia setifera* var. *cabracorralensis* Käsinger in Mitteilungsbl. Inter-Parodia-Kette 20: 4. 2003 syn. sec. Kew WCVP (2019)
- = *Parodia setifera* var. *jujuyensis* Käsinger in Mitteilungsbl. Inter-Parodia-Kette 20: 3. 2003 syn. sec. Kew WCVP (2019)
- = *Parodia setifera* var. *balboaensis* Käsinger in Mitteilungsbl. Inter-Parodia-Kette 23: 6. 2006 syn. sec. Kew WCVP (2019)
- *Parodia rubriflora* Backeb., Descr. Cact. Nov. 3: 12. 1963, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Parodia malyana* var. *rubriflora* F.H.Brandt in Frankfurter Kakteenf. 6(2): 6. 1979, nom. inval. syn. sec. Kew WCVP (2019)
- *Parodia amblayensis* F.H.Brandt in Letzeb. Cacteeffren 2(4): 1. 1981, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Parodia aureispina* var. *grandiflora* Y.Itô, Cactaceae: 449. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Parodia malyana* subsp. *igneiflora* F.H.Brandt in Kakteen Orch. Rundschau 13: 1. 1988, nom. inval. syn. sec. Kew WCVP (2019)
- *Parodia grandiflora* Veverka in Kaktusy (Brno) 28: 130. 1992, nom. inval. syn. sec. Anceschi & Magli (2018)
- *Parodia cabracorralensis* Piens in Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl. 6: 56. 1993, nom. inval. syn. sec. Anceschi & Magli (2018)
- Parodia mueller-melchersii* (Frič ex Backeb.) N.P.Taylor in Bradleya 5: 93. 1987. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus mueller-melchersii* Frič ex Backeb., Kaktus-ABC: 415. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mueller-melchersii* (Frič ex Backeb.) Doweld in Sukkulenty 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus mueller-melchersii* var. *gracilispinus* Krainz in Kakteenkunde 1942: 33. 1942 syn. sec. Kew WCVP (2019) ≡ *Notocactus mueller-melchersii* f. *gracilispinus* (Krainz) N.Gerloff & Neduchal in Internoto 25: 112. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus rutilans* Däniker & Krainz in Sukkulentenkunde 2: 19. 1948 syn. sec. Anceschi & Magli (2018) ≡ *Parodia rutilans* (Däniker & Krainz) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus rutilans* (Däniker & Krainz) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus veenianus* Vliet in Succulenta (Netherlands) 53: 171. 1974 syn. sec. Anceschi & Magli (2018) ≡ *Parodia rutilans* subsp. *veeniana* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus rutilans* subsp. *veenianus* (Vliet) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mueller-melchersii* var. *veenianus* (Vliet) N.Gerloff & Neduchal in Internoto 25: 112. 2004 syn. sec. Kew WCVP (2019) ≡ *Notocactus rutilans* subsp. *veenianus* (Vliet) Lodé in Cact.-Avent. Int. 98(Suppl.): 8. 2013 syn. sec. Anceschi & Magli (2018)
- = *Notocactus winkleri* Vliet in Succulenta (Netherlands) 54: 136. 1975 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mueller-melchersii* subsp. *winkleri* (Vliet) Hofacker in Cactaceae Consensus Init. 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mueller-melchersii* subsp. *winkleri* (Vliet) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mueller-melchersii* var. *winkleri* (Vliet) N.Gerloff & Neduchal in Internoto 25: 112. 2004 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus mueller-melchersii* subsp. *winkleri* (Vliet) Lodé in Cact.-Avent. Int. 98(Suppl.): 8. 2013 syn. sec. Kew WCVP (2019)
- = *Notocactus roseiflorus* H.Schloss. & Brederoo in Kakteen And. Sukk. 29: 277. 1978 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus rutilans* var. *roseiflorus* (H.Schloss. & Brederoo) N.Gerloff & Neduchal in Internoto 25: 114. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus permutatus* F.Ritter, Kakteen Südamerika 1: 188–189. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia permutata* (F.Ritter) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus permutatus* (F.Ritter) Doweld in Sukkulenty 2(2): 23. 1999 syn. sec. Kew WCVP (2019)

- = *Notocactus gutierrezii* W.R.Abraham in *Kakteen And. Sukk.* 39: 152. 1988 syn. sec. Anceschi & Magli (2018) ≡ *Parodia mueller-melchersii* subsp. *gutierrezii* (W.R.Abraham) Hofacker in *Cactaceae Consensus Init.* 6: 11. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Ritterocactus mueller-melchersii* subsp. *gutierrezii* (W.R.Abraham) Doweld in *Sukkulenty* 2(2): 22. 1999 syn. sec. Kew WCVP (2019) ≡ *Notocactus rutilans* var. *gutierrezii* (W.R.Abraham) N.Gerloff & Neduchal in *Internoto* 25: 114. 2004 syn. sec. Kew WCVP (2019) ≡ *Notocactus mueller-melchersii* subsp. *gutierrezii* (W.R.Abraham) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 8. 2013 syn. sec. Anceschi & Magli (2018)
- = *Notocactus rutilans* f. *robustior* N.Gerloff in *Internoto* 29: 38. 2008 syn. sec. Kew WCVP (2019)
- Parodia muricata* (Link & Otto ex Pfeiff.) Hofacker in *Cactaceae Consensus Init.* 6: 12. 1998. Sec. Anceschi & Magli (2018)**
- ≡ *Echinocactus muricatus* Link & Otto ex Pfeiff., *Enum. Diagn. Cact.*: 49. 1837 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus muricatus* (Link & Otto ex Pfeiff.) Britton & Rose, *Cactaceae* 3: 194–195, f. 207. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus muricatus* (Link & Otto ex Pfeiff.) A.Berger, *Kakteen*: 210. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus muricatus* (Link & Otto ex Pfeiff.) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) – *Notocactus apricus* var. *muricatus* (Link & Otto ex Pfeiff.) Y.Itô, *Cactaceae*: 436. 1981, nom. inval. – *Notocactus muricatus* (Otto) Backeb., *Kaktus-ABC*: 254. 1936 ["1935"], nom. inval. syn. sec. IPNI: 20 mar 2021
- = *Notocactus laetivirens* F.Ritter, *Kakteen Südamerika* 1: 167. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus glaucinus* var. *laetivirens* (F.Ritter) N.Gerloff & Neduchal in *Internoto* 25: 59. 2004
- Parodia neobuenekeri* (F.Ritter) Anceschi & Magli in *Cactusinhabitat S. Amer.* 2005/2010: 33. 2010. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus neobuenekeri* F.Ritter, *Kakteen Südamerika* 1: 181–182, f. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia scopa* subsp. *neobuenekeri* (F.Ritter) Hofacker & P.J.Braun in *Cactaceae Consensus Init.* 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus scopa* subsp. *neobuenekeri* (F.Ritter) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus scopa* subsp. *neobuenekeri* (F.Ritter) Doweld in *Sukkulenty* 3: 55. 2000 syn. sec. Anceschi & Magli (2018)
- Parodia neohorstii* (S.Theun.) N.P.Taylor in *Bradleya* 5: 93. 1987. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus neohorstii* S.Theun. in *Succulenta (Netherlands)* 60(6): 142. 1981 syn. sec. Anceschi & Magli (2018) [is replaced synonym for *Wigginsia horstii* F.Ritter] ≡ *Peronocactus neohorstii* (S.Theun.) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia horstii* F.Ritter, *Kakteen Südamerika* 1: 199. 1979 syn. sec. Tropicos ≡ *Ritterocactus horstii* (F.Ritter) Doweld in *Sukkulenty* 3: 60. 2000 syn. sec. Kew WCVP (2019)
- = *Wigginsia horstii* var. *juvenaliformis* F.Ritter, *Kakteen Südamerika* 1: 200. 1979 ≡ *Notocactus neohorstii* var. *juvenaliformis* (F.Ritter) S.Theun. in *Succulenta (Netherlands)* 60: 142. 1981 syn. sec. Kew WCVP (2019) ≡ *Notocactus neohorstii* f. *juvenaliformis* (F.Ritter) N.Gerloff in *Internoto* 14(2): 73. 1993 syn. sec. Kew WCVP (2019) ≡ *Ritterocactus horstii* f. *juvenaliformis* (F.Ritter) Doweld in *Sukkulenty* 3: 60. 2000 syn. sec. Kew WCVP (2019)
- Parodia nigrispina* (K.Schum.) F.H.Brandt in *Kakteen Orch. Rundschau* 1982(4): 61. 1982. Sec. Anceschi & Magli (2018)**
- ≡ *Echinocactus nigrispinus* K.Schum. in *Monatsschr. Kakteenk.* 9: 45. 1899 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus nigrispinus* (K.Schum.) Britton & Rose, *Cactaceae* 3: 190–191. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus nigrispinus* (K.Schum.) Buining in *Succulenta (Netherlands)* 49: 179. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Eriocactus nigrispinus* (K.Schum.) F.Ritter, *Kakteen Südamerika* 1: 256. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus schumannianus* f. *nigrispinus* (K.Schum.) Neduchal in *Internoto* 18: 111. 1997 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala schumanniana* subsp. *nigrispina* (K.Schum.) Guiggi in *Cactology* 3 (Suppl. III): 1. 2012 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala nigrispina* (K.Schum.) Lodé in *Cact.-Avent. Int.* 99: 25. 2013 syn. sec. Anceschi & Magli (2018)
- Parodia nivosa* Backeb. in *Blätt. Kakteenf.* 1934(12): 3, genus 68, sp. 5. 1934. Sec. Anceschi & Magli (2018)**
- = *Parodia faustiana* Backeb., *Kaktus-ABC*: 415. 1936 ["1935"] syn. sec. Anceschi & Magli (2018) ≡ *Parodia nivosa* var. *faustiana* (Backeb.) Käsinger in *Mitteilungsbl. Inter-Parodia-Kette* 21 (Suppl.): 3. 2004 syn. sec. Kew WCVP (2019)
- = *Parodia faustiana* var. *tenuispina* Backeb., *Kaktus-ABC*: 415. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Parodia crucinigricentra* Subik in *Sukkulentenkunde* 4: 31. 1951 syn. sec. Anceschi & Magli (2018)
- = *Parodia crucinigricentra* var. *sibalii* Subik in *Sukkulentenkunde* 4: 32. 1951 syn. sec. Kew WCVP (2019)
- = *Parodia penicillata* Fehser & Steeg in *Succulenta (Netherlands)* 1960: 77. 1960 syn. sec. Anceschi & Magli (2018)
- = *Parodia uhligiana* Backeb., *Descr. Cact. Nov.* 3: 12. 1963 syn. sec. Tropicos
- = *Parodia penicillata* var. *nivosa* Fehser ex Backeb., *Kakteenlex.*: 460. 1966 syn. sec. Kew WCVP (2019)
- = *Parodia penicillata* var. *fulviceps* Backeb. ex Weskamp, *Gattung Parodia* 2: 138. 1992 syn. sec. Kew WCVP (2019)
- = *Parodia uhligiana* Diers & Rausch in *Kakteen And. Sukk.* 57: 226. 2006 syn. sec. Kew WCVP (2019)
- *Parodia nivosa* var. *striatipetala* Y.Itô, *Cactaceae*: 447. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia nothorauschi* D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997. Sec. Hunt (2006)**
- ≡ *Notocactus rauschii* Vliet in *Succulenta (Netherlands)* 48: 3. 1969 syn. sec. Kew WCVP (2019) ≡ *Ritterocactus rauschii* (Vliet) Doweld in *Sukkulenty* 2(2): 23. 1999 syn. sec. Kew WCVP (2019)
- = *Notocactus spinibarbis* F.Ritter, *Kakteen Südamerika* 1: 186. 1979 syn. sec. Kew WCVP (2019)
- Parodia ocampo* Cárdenas in *Kakteen And. Sukk.* 6: 101. 1955. Sec. Anceschi & Magli (2018)**
- ≡ *Boliviacactus ocampo* (Cárdenas) Doweld in *Sukkulenty* 3: 62. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia compressa* F.Ritter in *Cactus (Paris)* 73–74: 9. 1962 syn. sec. Anceschi & Magli (2018)
- = *Parodia exquisita* F.H.Brandt in *Kakteen Orch. Rundschau* 3: 45. 1978 syn. sec. Anceschi & Magli (2018)
- = *Parodia minuta* F.Ritter, *Kakteen Südamerika* 2: 546. 1980 syn. sec. Anceschi & Magli (2018)

- = *Parodia elachista* F.H.Brandt in Kakteen Orch. Rundschau 1981(1): 2. 1981 syn. sec. Anceschi & Magli (2018) ≡ *Parodia zecheri* subsp. *elachista* (F.H.Brandt) F.H.Brandt in Kakteen Orch. Rundschau 13: 1. 1988 syn. sec. Anceschi & Magli (2018)
- = *Parodia augustini* Weskamp, Gattung Parodia 3: 196. 1997 syn. sec. Anceschi & Magli (2018)
- = *Parodia copavilquensis* Weskamp, Gattung Parodia 3: 194. 1997 syn. sec. Anceschi & Magli (2018)
- Parodia otaviana* Cárdenas in Cactus (Paris) 78: 94. 1963. Sec. Anceschi & Magli (2018)**
- ≡ *Boliviacactus otavianus* (Cárdenas) Lodé in Cact.-Avent. Int. 101: 14. 2014 syn. sec. Anceschi & Magli (2018)
- Parodia ottonis* (Lehm.) N.P.Taylor in Bradleya 5: 93. 1987. Sec. Anceschi & Magli (2018)**
- ≡ *Cactus ottonis* Lehm., Index Sem. (Hamburg): 16. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus ottonis* (Lehm.) Link & Otto in Icon. Pl. Rar. 3: 31. 1828 syn. sec. Kew WCVP (2019) ≡ *Malacocarpus ottonis* (Lehm.) Britton & Rose, Cactaceae 3: 195–197. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus ottonis* (Lehm.) A.Berger, Kakteen: 212. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus ottonis* (Lehm.) Doweld in Sukkulenty 2(2): 20. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Parodia ottonis* subsp. *ottonis* syn. sec. Hunt (2016)
- = *Echinocactus tenuispinus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 421. 1827 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus ottonis* var. *tenuispinus* (Link & Otto) Pfeiff., Enum. Diagn. Cact.: 48. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ottonis* f. *tenuispinus* (Link & Otto) Schelle, Handb. Kakteenkult.: 182. 1907 syn. sec. Tropicos ≡ *Notocactus tenuispinus* (Link & Otto) Herter in Cactus (Paris) 44: 177. 1955 syn. sec. Anceschi & Magli (2018) ≡ *Melocactus tenuispinus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: t. 19. 1827 syn. sec. Kew WCVP (2019)
- = *Echinocactus tenuispinus* var. *minor* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 422. 1827 syn. sec. Kew WCVP (2019)
- = *Echinocactus tortuosus* Link & Otto in Icon. Pl. Rar. 3: 29. 1828 syn. sec. Anceschi & Magli (2018) ≡ *Echinocactus ottonis* var. *tortuosus* (Link & Otto) K.Schum., Gesamtbeschr. Kakt.: 392. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ottonis* f. *tortuosus* (Link & Otto) Schelle, Handb. Kakteenkult.: 182. 1907 syn. sec. Kew WCVP (2019) ≡ *Parodia ottonis* var. *tortuosa* (Link & Otto) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Kew WCVP (2019)
- = *Opuntia ottonis* G.Don, Gen. Hist. 3: 172. 1834 syn. sec. Kew WCVP (2019)
- = *Echinocactus ottonis* var. *pallidior* Monv. ex Lem., Cact. Gen. Sp. Nov.: 88. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus ottonis* var. *spiniosior* Monv. ex Lem., Cact. Gen. Sp. Nov.: 88. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus araneolarius* Rchb. ex Walp., Repert. Bot. Syst. 2: 317. 1843 syn. sec. Kew WCVP (2019) ≡ *Notocactus araneolarius* (Rchb.) Herter in Cactus (Paris) 42: 120. 1954 syn. sec. Kew WCVP (2019)
- = *Echinocactus ottonis* var. *minor* C.F.Först., Handb. Cacteenk.: 302. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus ottonis* var. *linkii* C.F.Först., Handb. Cacteenk., ed. 2: 554. 1885 syn. sec. Kew WCVP (2019)
- = *Echinocactus ottonis* var. *paraguayensis* K.Schum. in Monatsschr. Kakteenk. 10: 179. 1900 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ottonis* f. *paraguayensis* (K.Schum.) Schelle, Handb. Kakteenkult.: 182. 1907 syn. sec. Kew WCVP (2019)
- = *Echinocactus arechavaletae* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 3(4): 496. 1905 [as "*arechavaletai*"] syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus arechavaletae* A.Berger, Kakteen: 207. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus arechavaletae* (Speg.) Herter in Revista Sudamer. Bot. 7: 216. 1943 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus arechavaletae* (Speg.) Krainz in Kakteen And. Sukk. 17: 195. 1966 syn. sec. Korotkova (2021) – *Echinocactus arechavaletae* Speg. ex Arechav. in Anales Mus. Nac. Montevideo 5: 208. 1905 syn. sec. Anceschi & Magli (2018) [is later isonym of *Echinocactus arechavaletae* Speg.]
- = *Echinocactus ottonis* var. *uruguayus* Arechav. in Anales Mus. Nac. Montevideo 5: 213. 1905 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus uruguayus* (Arechav.) Herter in Revista Sudamer. Bot. 7: 217. 1943 syn. sec. Anceschi & Magli (2018)
- = *Echinocactus ottonis* var. *brasiliensis* F.Haage in Monatsschr. Kakteenk. 24: 41. 1914 syn. sec. Kew WCVP (2019) ≡ *Echinocactus ottonis* f. *brasiliensis* (F.Haage) Schelle, Handb. Kakteenkult.: 182. 1907 syn. sec. Tropicos
- = *Parodia paraguayensis* Speg. in Anales Soc. Ci. Argent. 96: 70. 1923 syn. sec. Anceschi & Magli (2018)
- = ?*Malacocarpus arechavaletae* Frič in Českoslov. Zahradn. Listy 1924: 31. 1924
- = *Notocactus ottonis* var. *schuldtii* Kreuz. in Succulenta (Netherlands) 27: 47. 1948 syn. sec. Kew WCVP (2019) ≡ *Notocactus neo-ottoianus* var. *schuldtii* Y.Itô, Cactaceae: 439. 1981 syn. sec. Kew WCVP (2019) ≡ *Notocactus oxycostatus* var. *schuldtii* (Kreuz.) N.Gerloff in Internoto 24: 80. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus ottonis* var. *elegans* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 172. 1950 syn. sec. Hunt (2006) ≡ *Notocactus ottonis* f. *elegans* (Backeb. & Voll) Havlíček in Repert. Pl. Succ. 14: 11. 1990 syn. sec. Korotkova (2021)
- = *Echinocactus ottonis* var. *multiflorus* Frič in Succulenta (Netherlands) 1957: 105. 1957 syn. sec. Kew WCVP (2019)
- = *Notocactus ottoianus* Y.Itô, Explan. Diagn. Austroechinocactinae: 247. 1957, nom. illeg. syn. sec. Anceschi & Magli (2018)
- = *Notocactus ottonis* var. *albispinus* Backeb., Cactaceae 6: 3756. 1962 syn. sec. Kew WCVP (2019)
- = *Notocactus ottonis* var. *stenogonus* Backeb., Cactaceae 6: 3758. 1962 syn. sec. Kew WCVP (2019) ≡ *Notocactus neo-ottoianus* var. *stenogonus* (Backeb.) Y.Itô, Cactaceae: 440. 1981 syn. sec. Kew WCVP (2019)
- = *Notocactus ottonis* var. *janousekianus* K.Papoušek in Kaktusy (Brno) 11: 123. 1975 syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *aureus* F.Ritter, Kakteen Südamerika 1: 166. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus ottonis* f. *aureus* (F.Ritter) N.Gerloff & Neduchal in Internoto 25: 66. 2004 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *aureus* (F.Ritter) Vich in Kaktusy (Brno) 46: 101. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *horstii* F.Ritter, Kakteen Südamerika 1: 166. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia ottonis* subsp. *horstii* (F.Ritter) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus ottonis* subsp. *horstii* (F.Ritter) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus ottonis* subsp. *horstii* (F.Ritter) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Anceschi & Magli (2018) – *Notocactus spgazzinii* var. *horstii* (F.Ritter) Vich in Kaktusy (Brno) 46: 102. 2010, nom. inval. syn. sec. Anceschi & Magli (2018)
- = *Notocactus campestris* F.Ritter, Kakteen Südamerika 1: 177. 1979 syn. sec. Kew WCVP (2019)

- = *Notocactus glaucinus* F.Ritter, *Kakteen Südamerika* 1: 168. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia glaucina* (F.Ritter) Hofacker & M.Machado in *Kakteen And. Sukk.* 63: 44. 2012 syn. sec. Anceschi & Magli (2018)
- = *Notocactus glaucinus* var. *depressus* F.Ritter, *Kakteen Südamerika* 1: 169. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus glaucinus* var. *gracilis* F.Ritter, *Kakteen Südamerika* 1: 168. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Parodia oxycostata* subsp. *gracilis* (F.Ritter) Hofacker in *Cactaceae Consensus Init.* 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus oxycostatus* subsp. *gracilis* (F.Ritter) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus oxycostatus* subsp. *gracilis* (F.Ritter) Doweld in *Sukkulenty* 3: 54. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus oxycostatus* subsp. *gracilis* (F.Ritter) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 8. 2013, nom. illeg.
- = *Notocactus globularis* F.Ritter, *Kakteen Südamerika* 1: 167. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus ottonis* var. *globularis* (F.Ritter) Bergner in *Internoto* 9: 73. 1988 syn. sec. Kew WCVP (2019) ≡ *Notocactus ottonis* f. *globularis* (F.Ritter) N.Gerloff & Neduchal in *Internoto* 25: 66. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus harmonianus* F.Ritter, *Kakteen Südamerika* 1: 176. 1979 syn. sec. Anceschi & Magli (2018)
- = *Notocactus ottonis* var. *acutangularis* F.Ritter, *Kakteen Südamerika* 1: 163. 1979 syn. sec. Kew WCVP (2019)
- = *Notocactus securituberculatus* F.Ritter, *Kakteen Südamerika* 1: 169. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus oxycostatus* f. *securituberculatus* (F.Ritter) N.Gerloff in *Internoto* 14(3): 93. 1993 syn. sec. Kew WCVP (2019)
- = *Notocactus securituberculatus* var. *miniatispinus* F.Ritter, *Kakteen Südamerika* 1: 169. 1979 syn. sec. Kew WCVP (2019) ≡ *Notocactus miniatispinus* (F.Ritter) Havlíček in *Repert. Pl. Succ.* 41: 11. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus oxycostatus* f. *miniatispinus* (F.Ritter) N.Gerloff in *Internoto* 14(3): 93. 1993 syn. sec. Hunt (2006)
- = *Notocactus incomptus* N.Gerloff in *Internoto* 11: 41. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus glaucinus* var. *incomptus* (N.Gerloff) N.Gerloff & Neduchal in *Internoto* 25: 58. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus eurypleurus* Prestlé in *Minimus* 22: 43. 1991 syn. sec. Anceschi & Magli (2018)
- = *Notocactus laetivirens* f. *densispinus* Bergner in *Internoto* 14: 12. 1993 syn. sec. Kew WCVP (2019) ≡ *Notocactus glaucinus* f. *densispinus* (Bergner) N.Gerloff & Neduchal in *Internoto* 25: 59. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus ruoffii* N.Gerloff in *Internoto* 14: 118. 1993 syn. sec. Kew WCVP (2019) ≡ *Notocactus minimus* var. *ruoffii* (N.Gerloff) N.Gerloff & Neduchal in *Internoto* 25: 63. 2004 syn. sec. Kew WCVP (2019)
- = *Notocactus tenuispinus* f. *cristatus* P.V.Heath in *Calyx* 5: 63. 1995 syn. sec. Kew WCVP (2019)
- = *Notocactus gracilis* Gemmrich in *Internoto* 17: 98. 1996 syn. sec. Anceschi & Magli (2018)
- = *Notocactus minusculus* Hofacker & K.Herm in *Internoto* 17: 75. 1996 syn. sec. Kew WCVP (2019) ≡ *Notocactus ottonis* var. *minusculus* (Hofacker & K.Herm) N.Gerloff & Neduchal in *Internoto* 25: 66. 2004 syn. sec. Kew WCVP (2019) ≡ *Peronocactus minusculus* (Hofacker & K.Herm) Doweld in *Sukkulenty* 2(2): 21. 1999 – *Notocactus minusculus* Hofacker & K.Herm in *Internoto* 17(3): 75–79. 1996 syn. sec. TPL (2013) [is orthographic variant for *Notocactus minusculus* Hofacker & K.Herm]
- = *Parodia nothominuscula* Hofacker in *Cactaceae Consensus Init.* 6: 11. 1998 syn. sec. Anceschi & Magli (2018)
- = *Parodia nothominuscula* subsp. *gravior* Hofacker in *Kakteen And. Sukk.* 51: 234. 2000 syn. sec. Kew WCVP (2019)
- = *Notocactus oxycostatus* var. *occidentalis* N.Gerloff in *Internoto* 24: 76. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus spgazzinii* Vich in *Kaktusy (Brno)* 46: 101. 2010, nom. illeg. syn. sec. Kew WCVP (2019)
- *Echinocactus arechavaletae* Speg. syn. sec. Anceschi & Magli (2018) [is orthographic variant for *Echinocactus arechavaletae* Speg.]
- = *Notocactus arechavaletae* var. *alacriportanus* F.Ritter, *Kakteen Südamerika* 1: 165. 1979 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *alacriportanus* (F.Ritter) Vich in *Kaktusy (Brno)* 46: 101. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *buenekeri* F.Ritter, *Kakteen Südamerika* 1: 166. 1979 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *buenekeri* (F.Ritter) Vich in *Kaktusy (Brno)* 46: 101. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *limiticola* F.Ritter, *Kakteen Südamerika* 1: 164. 1979 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *limiticola* (F.Ritter) Vich in *Kaktusy (Brno)* 46: 102. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *nanus* F.Ritter, *Kakteen Südamerika* 1: 165. 1979 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *nanus* (F.Ritter) Vich in *Kaktusy (Brno)* 46: 102. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- = *Notocactus arechavaletae* var. *rubescens* F.Ritter, *Kakteen Südamerika* 1: 166. 1979 syn. sec. Kew WCVP (2019) – *Notocactus spgazzinii* var. *rubescens* (F.Ritter) Vich in *Kaktusy (Brno)* 46: 102. 2010, nom. inval. syn. sec. Kew WCVP (2019)
- *Notocactus neo-ottoianus* var. *tenuispinus* (Link & Otto) Y.Itô, *Cactaceae*: 440. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Notocactus neo-ottoianus* var. *tortuosus* (Link & Otto) Y.Itô, *Cactaceae*: 440. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- *Notocactus ottonis* var. *nigrispinus* Luck in *Internoto* 8: 124. 1987, nom. inval. syn. sec. Kew WCVP (2019)
- *Notocactus grandiensis* Bergner in *Internoto* 10: 43. 1989, nom. inval. syn. sec. Tropicos
- *Notocactus ottonis* subvar. *rubrispinus* Prestlé in *Minimus* 27: 25. 1996, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia oxycostata* (Buining & Brederoo) Hofacker in *Cactaceae Consensus Init.* 6: 12. 1998. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus oxycostatus* Buining & Brederoo in *Krainz, Kakteen*: 50-51: CVIc, 106 (fig.). 1972 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus oxycostatus* (Buining & Brederoo) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Parodia oxycostata* subsp. *oxycostata*
- = *Notocactus acutus* F.Ritter, *Kakteen Südamerika* 1: 169. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus oxycostatus* f. *acutus* (F.Ritter) N.Gerloff in *Internoto* 14(3): 93. 1993 syn. sec. IPNI
- Parodia prestoensis* F.H.Brandt in *Kaktus (Odense)* 11(3): 54. 1976. Sec. Anceschi & Magli (2018)**
- = *Parodia sotomayorensis* F.Ritter, *Kakteen Südamerika* 2: 530. 1980 syn. sec. Anceschi & Magli (2018)

***Parodia procera* F.Ritter in Taxon 13: 117. 1964.** Sec. Anceschi & Magli (2018)

- ≡ *Boliviacactus procerus* (F.Ritter) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia gracilis* F.Ritter in Succulenta (Netherlands) 1964: 23. 1964 syn. sec. Anceschi & Magli (2018)
- = *Parodia pseudoprocera* F.H.Brandt in Kakteen And. Sukk. 21: 122. 1970 syn. sec. Anceschi & Magli (2018)
- = *Parodia andreae* F.H.Brandt in Stachelpost 8: 145. 1972 syn. sec. Anceschi & Magli (2018)
- = *Parodia challamarcana* F.H.Brandt in Stachelpost 8: 1. 1972 syn. sec. Anceschi & Magli (2018)
- = *Parodia andreaeoides* F.H.Brandt in Stachelpost 50: 38. 1974 syn. sec. Anceschi & Magli (2018)
- = *Parodia lychnosa* F.H.Brandt in Kaktus (Odense) 10(2): 42. 1975 syn. sec. Anceschi & Magli (2018)
- = *Parodia riograndensis* F.H.Brandt in Kakteen Orch. Rundschau 1975/76(5): 76. 1976 syn. sec. Anceschi & Magli (2018)
- = *Parodia tredecimcostata* F.Ritter, Kakteen Südamerika 2: 538. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia tredecimcostata* var. *aurea* F.Ritter, Kakteen Südamerika 2: 538. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia tredecimcostata* var. *minor* F.Ritter, Kakteen Südamerika 2: 538. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia perplexa* F.H.Brandt in Kakteen Orch. Rundschau 1981(5): 115. 1981 syn. sec. Kiesling & al. (2014)
- = *Parodia perplexa* var. *cupreoaurea* F.H.Brandt in Kakteen Orch. Rundschau 9: 18. 1984 syn. sec. Kew WCVP (2019) – *Parodia perplexa* var. *cupreo-aurea* F.H.Brandt syn. sec. Kiesling & al. (2014) [is orthographic variant for *Parodia perplexa* var. *cupreoaurea* F.H.Brandt]
- = *Parodia pseudoprocera* var. *aurantiaciflora* F.H.Brandt in Repert. Pl. Succ. 33: 11. 1984 ["1982"] syn. sec. Kew WCVP (2019)
- = *Parodia pilayaensis* Diers & Beckert in Kakteen And. Sukk. 57(11): 295. 2006 syn. sec. Kiesling & al. (2014)
- = *Parodia separata* F.H.Brandt syn. sec. Kiesling & al. (2014)
- *Parodia pseudoprocera* subsp. *aurantiaciflora* F.H.Brandt in Kakteen Orch. Rundschau 13: 1. 1988, nom. inval. syn. sec. Kew WCVP (2019)

***Parodia rechensis* (Buining) F.H.Brandt in Kakteen Orch. Rundschau 7(4): 65. 1982.** Sec. Anceschi & Magli (2018)

- ≡ *Notocactus rechensis* Buining in Kakteen And. Sukk. 19: 23. 1968 syn. sec. Anceschi & Magli (2018) ≡ *Brasiliparodia rechensis* (Buining) F.Ritter, Kakteen Südamerika 1: 149. 1979 syn. sec. Anceschi & Magli (2018) ≡ *Brasilicactus rechensis* (Buining) Doweld in Sukkulenty 2: 24. 1999 syn. sec. Anceschi & Magli (2018)

***Parodia ritteri* Buining in Succulenta (Netherlands) 1959: 17. 1959.** Sec. Anceschi & Magli (2018)

- ≡ *Boliviacactus ritteri* (Buining) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia splendens* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 108, f. 59, 60. 1961 syn. sec. Kiesling & al. (2014)
- = *Parodia camargensis* Buining & F.Ritter in Succulenta (Netherlands) 1962: 18. 1962 syn. sec. Kiesling & al. (2014) ≡ *Parodia maassii* var. *camargensis* (Buining & F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia camargensis* var. *camblayana* F.Ritter in Succulenta (Netherlands) 1962(2): 20. 1962 syn. sec. Tropicos ≡ *Parodia camblayana* (F.Ritter) F.H.Brandt in Kakteen Orch. Rundschau 1982(3): 40. 1982 syn. sec. Kiesling & al. (2014)
- = *Parodia camargensis* var. *castanea* F.Ritter in Succulenta (Netherlands) 1962: 21. 1962 syn. sec. Hunt (2006) ≡ *Parodia castanea* (F.Ritter) F.Ritter, Kakteen Südamerika 2: 519. 1980 syn. sec. Kiesling & al. (2014) ≡ *Parodia maassii* f. *castanea* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia camargensis* var. *prolifera* F.Ritter in Succulenta (Netherlands) 1962: 21. 1962 syn. sec. Kiesling & al. (2014) ≡ *Parodia prolifera* (F.Ritter) Weskamp, Gattung Parodia 3: 159. 1997 syn. sec. Kiesling & al. (2014) ≡ *Parodia maassii* f. *prolifera* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia cintiensis* F.Ritter in Succulenta (Netherlands) 1962: 122. 1962 syn. sec. Kiesling & al. (2014) ≡ *Parodia ritteri* var. *cintiensis* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia fulvispina* F.Ritter in Cactus (Paris) 76: 54. 1962 syn. sec. Kiesling & al. (2014)
- = *Parodia fulvispina* var. *brevihamata* F.Ritter in Cactus (Paris) 76: 55. 1962 syn. sec. Kiesling & al. (2014)
- = *Parodia carrerana* Cárdenas in Cactus (Paris) 78: 93. 1963 syn. sec. Kiesling & al. (2014)
- = *Parodia roseoalba* F.Ritter in Succulenta (Netherlands) 1964: 23. 1964 syn. sec. Kiesling & al. (2014)
- = *Parodia rubida* F.Ritter in Succulenta (Netherlands) 1964: 43. 1964 syn. sec. Kiesling & al. (2014) ≡ *Parodia maassii* var. *rubida* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia rostrum-sperma* F.H.Brandt in Stachelpost 9(43): 2. 1973 syn. sec. Kiesling & al. (2014)
- = *Parodia agasta* F.H.Brandt in Frankfurter Kakteenf. 3(4): 6. 1976 syn. sec. Kiesling & al. (2014)
- = *Parodia aglaisma* F.H.Brandt in Kakteen Orch. Rundschau 1975/76(4): 51. 1976 syn. sec. Kiesling & al. (2014)
- = *Parodia camblayana* var. *rubra* F.H.Brandt in Cactus (Wijnegem) 9: 121. 1977 syn. sec. Kew WCVP (2019)
- = *Parodia roseoalba* var. *australis* F.Ritter, Kakteen Südamerika 2: 523. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia belliata* F.H.Brandt in Kakteen Orch. Rundschau 6(2): 24. 1981 syn. sec. Kiesling & al. (2014)
- = *Parodia tojoensis* F.H.Brandt in Kakteen Orch. Rundschau 1985(2): 14. 1985 syn. sec. Kiesling & al. (2014)

***Parodia schumanniana* (Nicolai) F.H.Brandt in Kakteen Orch. Rundschau 7(4): 62. 1982.** Sec. Anceschi & Magli (2018)

- ≡ *Echinocactus schumannianus* Nicolai in Monatsschr. Kakteenk. 3: 175. 1893 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus schumannianus* (Nicolai) Britton & Rose, Cactaceae 3: 189, f. 199. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus schumannianus* (Nicolai) Frič, Seed List 1928: 3. 1928 syn. sec. Anceschi & Magli (2018) ≡ *Eriocactus schumannianus* (Nicolai) Backeb. in Cactaceae (Berlin) 1941(2): 37. 1942 syn. sec. Anceschi & Magli (2018) ≡ *Erioccephala schumanniana* (Nicolai) Guiggi in Cactology 3 (Suppl. III): 1. 2012 syn. sec. Anceschi & Magli (2018) ≡ *Parodia schumanniana* subsp. *schumanniana* – *Erioccephala schumanniana* (Nicolai) Y.Itô, Explan. Diagr. Austroechinocactinae: 252. 1957, nom. inval. syn. sec. Tropicos

- = *Echinocactus grossei* K.Schum. in Monatsschr. Kakteenk. 9: 44. 1899 syn. sec. Hunt (2006) ≡ *Malacocarpus grossei* (K.Schum.) Britton & Rose, Cactaceae 3: 190, f. 200. 1922 syn. sec. Hunt (2006) ≡ *Notocactus grossei* (K.Schum.) A.Berger, Kakteen: 210. 1929 syn. sec. Kew WCVP (2019) ≡ *Eriocactus grossei* (K.Schum.) Backeb. ex Jul.Schäff. in Beitr. Sukkulente. Sukkulentenpflege 1942: 38. 1942 syn. sec. Hunt (2006) ≡ *Erioccephala grossei* (K.Schum.) Y.Itô, Explan. Diagr. Austroechinocactinae: 252. 1957 syn. sec. Hunt (2006) ≡ *Parodia grossei* (K.Schum.) F.H.Brandt in Kakteen Orch. Rundschau 7: 62. 1982 syn. sec. Hunt (2006) ≡ *Notocactus schumannianus* var. *grossei* (K.Schum.) Neduchal in Internoto 18: 111. 1997 syn. sec. Kew WCVP (2019) – *Notocactus grossei* (K.Schum.) Backeb., Kaktus-ABC: 256. 1936 ["1935"], nom. inval. syn. sec. IPNI: 21 feb 2021
- = *Echinocactus schumannianus* var. *longispinus* F.Haage in Monatsschr. Kakteenk. 9: 43. 1899 syn. sec. Kew WCVP (2019)
- = *Echinocactus schumannianus* var. *nigrispinus* F.Haage in Monatsschr. Kakteenk. 9: 45. 1899 syn. sec. Kew WCVP (2019)
- = *Eriocactus ampliostatus* F.Ritter, Kakteen Südamerika 1: 253. 1979 syn. sec. Hunt (2006) ≡ *Notocactus ampliostatus* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 142. 1981 syn. sec. Hunt (2006) ≡ *Parodia ampliostata* (F.Ritter) F.H.Brandt in Kakteen Orch. Rundschau 7: 61. 1982 syn. sec. Hunt (2006) ≡ *Notocactus schumannianus* var. *ampliostatus* (F.Ritter) J.Theun. in Repert. Pl. Succ. 41: 11. 1990 syn. sec. Hunt (2006) ≡ *Notocactus schumannianus* f. *ampliostatus* (F.Ritter) Neduchal in Internoto 18: 111. 1997 syn. sec. Kew WCVP (2019)
- = *Eriocactus grossei* var. *aureispinus* F.Ritter, Kakteen Südamerika 1: 253. 1979 syn. sec. Kew WCVP (2019) ≡ *Parodia grossei* var. *aureispina* (F.Ritter) F.H.Brandt, Gattung Parodia 1: 232. 1989 syn. sec. Kew WCVP (2019) ≡ *Notocactus grossei* f. *aureispinus* (F.Ritter) J.Theun. ex Havlíček in Repert. Pl. Succ. 41: 11. 1990 syn. sec. IPNI – *Notocactus grossei* var. *aureispinus* (F.Ritter) S.Theun. in Succulenta (Netherlands) 60: 142. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia schwebsiana* (Werderm.) Backeb., Kaktus-ABC: 271. 1936 ["1935"].** Sec. Anceschi & Magli (2018)
- ≡ *Echinocactus schwebsianus* Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 2: 186. 1930 syn. sec. Anceschi & Magli (2018)
- ≡ *Boliviacactus schwebsianus* (Werderm.) Doweld in Sukkulenty 3: 62. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Parodia schwebsiana* var. *schwebsiana*
- = *Parodia schwebsiana* var. *salmonea* Backeb. in Cact. Succ. J. (Los Angeles) 23: 84. 1951 syn. sec. Kiesling & al. (2014) ≡ *Parodia schwebsiana* f. *salmonea* (Backeb.) Krainz, Kakteen 24: C VIe. 1963 – *Parodia schwebsiana* var. *salmonea* Backeb. in Blätt. Kakteenf. 1935(3): 7. 1935, nom. inval.
- = *Parodia schwebsiana* var. *applanata* Hoffm. & Backeb. in Backeberg, Cactaceae 3: 1598. 1959 syn. sec. Anceschi & Magli (2018) ≡ *Parodia schwebsiana* f. *applanata* (Hoffm. & Backeb.) Krainz, Kakteen 24: C VIe. 1963 syn. sec. Korotkova (2021) ≡ *Parodia applanata* (Hoffm. & Backeb.) F.H.Brandt in Kakteen Orch. Rundschau 1984(4): 28. 1984 syn. sec. Anceschi & Magli (2018) – *Parodia salmonea* var. *applanata* (Hoffm. & Backeb.) F.H.Brandt, Chileans 10(34): 3. 1977 ["1978"], nom. inval. syn. sec. Korotkova (2021)
- = *Parodia salmonea* F.H.Brandt in Kakteen And. Sukk. 24(5): 97. 1973 syn. sec. Anceschi & Magli (2018)
- = *Parodia salmonea* var. *carminata* F.H.Brandt in Kakteen And. Sukk. 24: 99. 1973 syn. sec. Kiesling & al. (2014)
- = *Parodia minima* F.H.Brandt in Frankfurter Kakteenf. 3(3): 67. 1976 syn. sec. Anceschi & Magli (2018)
- Parodia scopa* (Spreng.) N.P.Taylor in Bradleya 5: 93. 1987.** Sec. Anceschi & Magli (2018)
- ≡ *Cactus scopa* Spreng., Syst. Veg., ed. 16, 2: 494. 1825 syn. sec. Anceschi & Magli (2018) ≡ *Malacocarpus scopa* (Spreng.) Britton & Rose, Cactaceae 3: 193–194. 1922 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus scopa* (Spreng.) A.Berger, Kakteen: 208. 1929 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus scopa* (Spreng.) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Parodia scopa* subsp. *scopa* syn. sec. Anceschi & Magli (2018) – *Notocactus scopa* (Spreng.) Backeb., Kaktus-ABC: 256. 1936 ["1935"], nom. inval. syn. sec. IPNI: 21 feb 2021
- = *Cereus scopa* Salm-Dyck ex DC., Prodr. 3: 464. 1828 syn. sec. Kew WCVP (2019)
- = *Echinocactus scopa* Link & Otto in Icon. Pl. Rar. 7-8: 81. 1831 syn. sec. Tropicos
- = *Echinocactus scopa* var. *candidus* Pfeiff., Enum. Diagn. Cact.: 64. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus scopa* f. *candidus* (Pfeiff.) Schelle, Handb. Kakteenkult.: 176. 1907 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *candidus* (Pfeiff.) Krainz, Kakteen 18: C VIa. 1961 syn. sec. Kew WCVP (2019)
- = *Echinopsis scopa* var. *candida-cristata* Carrière in Rev. Hort. (Paris) 47: 375. 1874 syn. sec. Kew WCVP (2019)
- = *Echinopsis scopa* Carrière in Rev. Hort. 47: 374. 1875 syn. sec. Britton & Rose (1922)
- = *Echinocactus scopa* var. *albicans* Arechav. in Anales Mus. Nac. Montevideo 5: 199. 1905 syn. sec. Kew WCVP (2019) ≡ *Echinocactus scopa* f. *albicans* (Arechav.) Schelle, Kakteen: 215. 1926 syn. sec. Tropicos ≡ *Notocactus scopa* var. *albicans* (Arechav.) Hofacker in Internoto 11: 69. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *albicans* (Arechav.) N.Gerloff & Neduchal in Internoto 24: 55. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus scopa* var. *daenikerianus* Krainz in Schweizer Gart. 1945: 199. 1945 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *daenikerianus* (Krainz) Krainz, Kakteen 18: C VIa. 1961 syn. sec. Kew WCVP (2019)
- = *Notocactus scopa* var. *glauzerianus* Krainz in Schweizer Gart. 1945: 201. 1945 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *glauzerianus* (Krainz) Krainz, Kakteen 18: C VIa. 1961 syn. sec. Kew WCVP (2019)
- = *Notocactus succineus* F.Ritter in Succulenta (Netherlands) 1970: 109. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Parodia succinea* (F.Ritter) N.P.Taylor in Bradleya 5: 93. 1987 syn. sec. Anceschi & Magli (2018) ≡ *Parodia scopa* subsp. *succinea* (F.Ritter) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus scopa* subsp. *succineus* (F.Ritter) Doweld in Sukkulenty 2(2): 21. 1999 ≡ *Notocactus scopa* subsp. *succineus* (F.Ritter) Doweld in Sukkulenty 3: 56. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus scopa* f. *succineus* (F.Ritter) N.Gerloff & Neduchal in Internoto 24: 59. 2003
- = *Notocactus soldtianus* Vliet in Succulenta (Netherlands) 54: 72. 1975 syn. sec. Anceschi & Magli (2018)
- = *Notocactus scopa* var. *xiphacanthus* W.R.Abraham in Succulenta (Netherlands) 66: 256. 1987 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *xiphacanthus* (W.R.Abraham) N.Gerloff & Neduchal in Internoto 24: 61. 2003 syn. sec. Kew WCVP (2019)

- = *Notocactus rudibuenekeri* W.R.Abraham in Succulenta (Netherlands) 67: 133–134, f. 1988 syn. sec. Anceschi & Magli (2018) ≡ *Parodia rudibuenekeri* (W.R.Abraham) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus rudibuenekeri* (W.R.Abraham) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018)
- = *Notocactus scopa* var. *machadoensis* W.R.Abraham in Succulenta (Netherlands) 67: 81. 1988 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *machadoensis* (W.R.Abraham) N.Gerloff & Neduchal in Internoto 24: 57. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus scopa* var. *xicoi* W.R.Abraham in Succulenta (Netherlands) 67: 111. 1988 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *xicoi* (W.R.Abraham) N.Gerloff & Neduchal in Internoto 24: 60. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus scopa* var. *marchesii* W.R.Abraham in Kakteen And. Sukk. 40(7): 176. 1989 syn. sec. Anceschi & Magli (2018) ≡ *Parodia scopa* subsp. *marchesii* (W.R.Abraham) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus scopa* subsp. *marchesii* (W.R.Abraham) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus scopa* subsp. *marchesii* (W.R.Abraham) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus scopa* f. *marchesii* (W.R.Abraham) N.Gerloff & Neduchal in Internoto 24: 58. 2003
- = *Notocactus scopa* var. *cobrensis* N.Gerloff in Internoto 11: 9. 1990 syn. sec. Kew WCVP (2019) ≡ *Notocactus scopa* f. *cobrensis* (N.Gerloff) N.Gerloff & Neduchal in Internoto 24: 56. 2003 syn. sec. Kew WCVP (2019)
- = *Notocactus glomeratus* N.Gerloff in Internoto 12(1): 10. 1991 syn. sec. Anceschi & Magli (2018) ≡ *Parodia rudibuenekeri* subsp. *glomerata* (N.Gerloff) Hofacker in Cactaceae Consensus Init. 6: 12. 1998 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus rudibuenekeri* subsp. *glomeratus* (N.Gerloff) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus rudibuenekeri* subsp. *glomeratus* (N.Gerloff) Doweld in Sukkulenty 3: 55. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus rudibuenekeri* var. *glomeratus* (N.Gerloff) N.Gerloff & Neduchal in Internoto 24: 52. 2003 syn. sec. Kew WCVP (2019)
- *Notocactus scopa* f. *erythrinus* Havlíček in Internoto 9: 125. 1988, nom. inval. syn. sec. Kew WCVP (2019)
- *Notocactus scopa* var. *murielii* Hofacker in Internoto 10: 40. 1989, nom. inval. syn. sec. Kew WCVP (2019)
- Parodia stockingeri* (Prestlé) Hofacker & P.J.Braun in Cactaceae Consensus Init. 6: 10. 1998.** Sec. Anceschi & Magli (2018)
- ≡ *Notocactus stockingeri* Prestlé in Succulenta (Netherlands) 64: 226. 1986 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus stockingeri* (Prestlé) Doweld in Sukkulenty 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus minimus* var. *stockingeri* (Prestlé) N.Gerloff & Neduchal in Internoto 25: 63. 2004 syn. sec. Kew WCVP (2019)
- Parodia stuemeri* (Werderm.) Backeb. in Cactus (Bruxelles) 4: 57. 1934.** Sec. Anceschi & Magli (2018)
- ≡ *Echinocactus stuemeri* Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 3: 122. 1931 syn. sec. Anceschi & Magli (2018) ≡ *Boliviacactus stuemeri* (Werderm.) Doweld in Sukkulenty 3: 63. 2000 syn. sec. Anceschi & Magli (2018)
- = *Echinocactus stuemeri* var. *tilcarensis* Werderm. & Backeb., Neue Kakteen: 59. 1931 syn. sec. Anceschi & Magli (2018) ≡ *Parodia tilcarensis* (Werderm. & Backeb.) Backeb. in Kakteen-Freund 4: 50. 1935 syn. sec. Anceschi & Magli (2018) ≡ *Parodia stuemeri* var. *tilcarensis* (Werderm. & Backeb.) Borg, Cacti, ed. 1: 267. 1937 syn. sec. Kew WCVP (2019) ≡ *Boliviacactus tilcarensis* (Werderm. & Backeb.) Doweld in Sukkulenty 3: 63. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia carminata* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Anceschi & Magli (2018)
- = *Parodia frictricia* Backeb., Kaktus-ABC: 267, 415. 1936 ["1935"] syn. sec. Anceschi & Magli (2018)
- = *Parodia schuetziana* Jajó in "Zpravy" Cesk. Kakt. 1947 syn. sec. Anceschi & Magli (2018) ≡ *Parodia stuemeri* var. *schuetziana* (Jajó) Käsinger in Mitteilungsbl. Inter-Parodia-Kette 17: 17. 2013 syn. sec. Kew WCVP (2019)
- = *Parodia gigantea* Frič ex Krainz in Sukkulentenkunde 6: 26. 1957 syn. sec. Anceschi & Magli (2018) ≡ *Parodia tilcarensis* var. *gigantea* (Frič ex Krainz) Backeb., Cactaceae 4: 1603. 1960 syn. sec. Kew WCVP (2019)
- = *Parodia gutekunstiana* Backeb., Cactaceae 3: 1604. 1959 syn. sec. Anceschi & Magli (2018)
- = *Parodia jujuyana* Frič ex R.Šubík, Kaktusy: 131. 1960 syn. sec. Anceschi & Magli (2018)
- = *Parodia pseudostuemeri* Backeb., Descr. Cact. Nov. 3: 11. 1963 syn. sec. Anceschi & Magli (2018)
- = *Parodia setosa* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Anceschi & Magli (2018)
- = *Parodia stuemeri* var. *robustior* Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Kew WCVP (2019)
- = *Parodia gokrauseana* Heinrich in Kakteen Sukk. 4: 25. 1967 syn. sec. Anceschi & Magli (2018)
- = *Parodia friciana* F.H.Brandt in Stachelpost 9: 68. 1973 syn. sec. Anceschi & Magli (2018)
- = *Parodia scoparia* F.Ritter, Kakteen Südamerika 2: 421. 1980 syn. sec. Anceschi & Magli (2018)
- = *Parodia tumbayana* Weskamp, Gattung Parodia 2: 137. 1992 syn. sec. Anceschi & Magli (2018)
- Parodia subterranea* F.Ritter in Succulenta (Netherlands) 1964: 43. 1964.** Sec. Anceschi & Magli (2018)
- ≡ *Boliviacactus subterraneus* (F.Ritter) Doweld in Sukkulenty 3: 63. 2000 syn. sec. Anceschi & Magli (2018) ≡ *Parodia maassii* var. *subterranea* (F.Ritter) Krainz syn. sec. Kiesling & al. (2014)
- = *Parodia culpiniensis* F.H.Brandt in Stachelpost 48: 161. 1973 syn. sec. Anceschi & Magli (2018)
- = *Parodia zaletaewana* F.H.Brandt in Stachelpost 9(44): 30. 1973 syn. sec. Anceschi & Magli (2018)
- = *Parodia pseudosubterranea* F.H.Brandt in Kakteen Orch. Rundschau 1979(5): 66. 1979 syn. sec. Anceschi & Magli (2018)
- = *Parodia occulta* F.Ritter, Kakteen Südamerika 2: 528. 1980 syn. sec. Anceschi & Magli (2018) ≡ *Parodia subterranea* var. *occulta* (F.Ritter) Romulski in Kaktusy Inne 3: 77. 2006 syn. sec. Kiesling & al. (2014)
- = *Parodia subtiliamata* F.Ritter, Kakteen Südamerika 2: 537. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia miranda* F.H.Brandt in Kakteen Orch. Rundschau 6: 94. 1981 syn. sec. Anceschi & Magli (2018)
- = *Parodia nigresca* F.H.Brandt in Letzeb. Cacteeffren 2(5): 1. 1981 syn. sec. Anceschi & Magli (2018)
- = *Parodia salitreensis* F.H.Brandt in Letzeb. Cacteeffren 2(1): 2. 1981 syn. sec. Anceschi & Magli (2018)
- = *Parodia ladae* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 73. 2000 syn. sec. Anceschi & Magli (2018)

- = *Parodia slabana* Halda & Horáček in *Cactaceae* etc. 10(3): 76–80. 2000 syn. sec. Kiesling & al. (2014) ≡ *Parodia subterranea* var. *slabana* (Halda & Horáček) Romulski in *Kaktusy* Inne 3: 77. 2006 syn. sec. Kiesling & al. (2014)
- = *Parodia subterranea* var. *aurea* Slaba in *Kaktusy* (Brno) 38: 47. 2002 syn. sec. Kiesling & al. (2014)
- *Parodia robustihamata* F.Ritter, *Kakteen Südamerika* 2: 532. 1980, nom. inval. syn. sec. Anceschi & Magli (2018)
- Parodia taratensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 36: 24. 1964. Sec. Anceschi & Magli (2018)**
- ≡ *Boliviacactus taratensis* (Cárdenas) Doweld in *Sukkulenty* 3: 63. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia bilbaoensis* Cárdenas in *Cact. Succ. J. (Los Angeles)* 38: 146. 1966 syn. sec. Anceschi & Magli (2018)
- = *Parodia caineana* F.H.Brandt in *Letzeb. Cacteeffren* 6: 17–22. 1985 syn. sec. Anceschi & Magli (2018)
- = *Parodia krahni* Weskamp in *Kakteen And. Sukk.* 40(3): 60. 1989 syn. sec. Anceschi & Magli (2018)
- Parodia tenuicylindrica* (F.Ritter) D.R.Hunt in *Cactaceae Consensus Init.* 4: 6. 1997. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus tenuicylindricus* F.Ritter in *Succulenta (Netherlands)* 49: 108. 1970 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus minimus* var. *tenuicylindricus* (F.Ritter) Havlíček in *Repert. Pl. Succ.* 41: 11. 1990 syn. sec. Kew WCV (2019)
- = *Notocactus minimus* Frič & Kreuz. ex Buining in *Succulenta (Netherlands)* 22: 86. 1940 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus minimus* (Frič & Kreuz. ex Buining) Doweld in *Sukkulenty* 2(2): 21. 1999 syn. sec. Anceschi & Magli (2018)
- Parodia tuberculata* Cárdenas in *Cact. Succ. J. (Los Angeles)* 23: 97, f. 51, 52. 1951. Sec. Anceschi & Magli (2018)**
- ≡ *Boliviacactus tuberculatus* (Cárdenas) Doweld in *Sukkulenty* 3: 63. 2000 syn. sec. Anceschi & Magli (2018)
- = *Parodia tarabucina* Cárdenas in *Cact. Succ. J. (Los Angeles)* 33: 108, f. 61, 62. 1961 syn. sec. Kiesling & al. (2014)
- = *Parodia otuyensis* F.Ritter in *Cactus (Paris)* 76: 53. 1962 syn. sec. Kiesling & al. (2014)
- = *Parodia yamparaezii* Cárdenas in *Cactus (Paris)* 82: 43. 1964 syn. sec. Kiesling & al. (2014)
- = *Parodia yamparaezii* Cárdenas in *Cactus (Paris)* 82: 43. 1964 syn. sec. Kew WCV (2019)
- = *Parodia backebergiana* F.H.Brandt in *Kakteen And. Sukk.* 20: 111. 1969 syn. sec. Anceschi & Magli (2018)
- = *Parodia punae* Cárdenas in *Cact. Succ. J. (Los Angeles)* 42: 39. 1970 syn. sec. Anceschi & Magli (2018)
- = *Parodia ignorata* F.H.Brandt in *Stachelpost* 8: 86. 1972 syn. sec. Kiesling & al. (2014)
- = *Parodia krasuckana* F.H.Brandt in *Kakteen And. Sukk.* 23(7): 179. 1972 syn. sec. Kiesling & al. (2014)
- = *Parodia firmisissima* F.H.Brandt in *Stachelpost* 51: 65. 1974 syn. sec. Anceschi & Magli (2018) – *Parodia firmisissima* F.H.Brandt in *Stachelpost* 51: 65. 1974 syn. sec. TPL (2013) [is misspelling for *Parodia firmisissima* F.H.Brandt]
- = *Parodia salmonea* var. *lau-multicostata* F.H.Brandt in *Kakteen Orch. Rundschau* 1: 3. 1975 syn. sec. Kiesling & al. (2014) ≡ *Parodia multicostata* var. *lau-multicostata* (F.H.Brandt) Weskamp, *Gattung Parodia* 2: 64. 1992 syn. sec. Kiesling & al. (2014)
- = *Parodia idiosa* F.H.Brandt in *Frankfurter Kakteenf.* 3(2): 68. 1976 syn. sec. Anceschi & Magli (2018)
- = *Parodia quechua* F.H.Brandt in *Kakteen Orch. Rundschau* 1977(1): 5. 1977 syn. sec. Kiesling & al. (2014)
- = *Parodia stereospina* F.H.Brandt in *Kaktusz Vilag* 7: 10. 1977 syn. sec. Kiesling & al. (2014)
- = *Parodia zecheri* R.Vásquez in *Kakteen And. Sukk.* 29(3): 50. 1978 syn. sec. Anceschi & Magli (2018)
- = *Parodia candidata* F.Ritter & Jelin. in *Ritter, Kakteen Südamerika* 2 2: 529. 1980 syn. sec. Kiesling & al. (2014)
- = *Parodia candidata* F.H.Brandt in *Letzeb. Cacteeffren* 2(2): 1. 1982 syn. sec. Anceschi & Magli (2018)
- = *Parodia sucrensis* F.H.Brandt in *Kakteen Orch. Rundschau* 1983(1): 2. 1983 syn. sec. Kiesling & al. (2014)
- = *Parodia rosarioana* Diers, R.Hillmann & Krahn in *Kakteen And. Sukk.* 66: 282. 2015 syn. sec. Anceschi & Magli (2018)
- Parodia warasii* (F.Ritter) F.H.Brandt in *Kakteen Orch. Rundschau* 7(4): 62. 1982. Sec. Anceschi & Magli (2018)**
- ≡ *Eriocactus warasii* F.Ritter in *Bradea* 1(34): 353. 1973 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus warasii* (F.Ritter) T.Hewitt & Donald in *Ashingtonia* 11(11): loose page insert 2. 1975 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus magnificus* var. *warasii* (F.Ritter) N.Gerloff & Neduchal in *Internoto* 25: 42. 2004 ≡ *Eriocéphala warasii* (F.Ritter) Guiggi in *Cactology* 3: 6. 2012 syn. sec. Anceschi & Magli (2018)
- Parodia werdermanniana* (Herter) N.P.Taylor in *Bradleya* 5: 93. 1987. Sec. Anceschi & Magli (2018)**
- ≡ *Notocactus werdermannianus* Herter in *Revista Sudamer. Bot.* 7: 75. 1942 syn. sec. Anceschi & Magli (2018) ≡ *Peronocactus werdermannianus* (Herter) Doweld in *Sukkulenty* 2(2): 22. 1999 syn. sec. Anceschi & Magli (2018) ≡ *Wigginsia werdermanniana* (Herter) Doweld in *Sukkulenty* 3: 62. 2000 syn. sec. Kew WCV (2019)
- = *Notocactus vanvlietii* Rausch in *Kakteen And. Sukk.* 21: 89. 1970 syn. sec. Anceschi & Magli (2018)
- = *Notocactus vanvlietii* var. *gracilis* Rausch in *Kakteen And. Sukk.* 21: 90. 1970 syn. sec. Kew WCV (2019)
- = *Notocactus ferrugineus* H.Schloss. in *Internoto* 3: 25. 1982 syn. sec. Anceschi & Magli (2018) ≡ *Notocactus werdermannianus* f. *ferrugineus* (H.Schloss.) N.Gerloff & Neduchal in *Internoto* 25: 94. 2004 syn. sec. Kew WCV (2019)
- = *Notocactus memorialis* Prestlé in *Internoto* 9: 7. 1988 syn. sec. Anceschi & Magli (2018)
- Pediocactus* Britton & Rose in *Britton & Brown, Ill. Fl. N. U.S., ed. 2, 2: 569. 1913. Sec. Hunt (2016)***
- Type: *Pediocactus simpsonii* (Engelm.) Britton & Rose
- = *Utahia* Britton & Rose, *Cactaceae* 3: 215. 1922 syn. sec. Hunt (2006). Type: *Utahia sileri* (Engelm. ex J.M.Coult.) Britton & Rose
- = *Navajoa* Croizat in *Cact. Succ. J. (Los Angeles)* 15(6): 89. 1943 syn. sec. Hunt (2006). Type: *Navajoa peeblesiana* Croizat
- = *Pilocanthus* B.W.Benson & Backeb. in *Kakteen And. Sukk.* 8(12): 188. 1957 syn. sec. Hunt (2006). Type: *Pilocanthus paradinei* (B.W.Benson) B.W.Benson & Backeb.
- = *Neonavajoa* Doweld in *Sukkulenty* 2(2): 24. 1999 syn. sec. Hunt (2006)
- = *Puebloa* Doweld in *Sukkulenty* 1(2): 20. 1999 syn. sec. Hunt (2006). Type: *Puebloa bradyi* (L.D.Benson) Doweld

***Pediocactus bradyi* L.D.Benson in Cact. Succ. J. (Los Angeles) 34(1): 19. 1962.** Sec. Parfitt & Gibson (2003)

- ≡ *Toumeyia bradyi* (L.D.Benson) W.H.Earle, Cacti Southw.: 97. 1963 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* subsp. *bradyi* (L.D.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 13. 1998 syn. sec. Parfitt & Gibson (2003) ≡ *Puebloa bradyi* (L.D.Benson) Doweld in Sukkulenty 1(2): 22. 1999 syn. sec. Parfitt & Gibson (2003)
 – *Pediocactella bradyi* (L.D.Benson) Doweld, nom. inval. syn. sec. Parfitt & Gibson (2003)

***Pediocactus despainii* S.L.Welsh & Goodrich in Great Basin Naturalist 40: 83-86. 1980.** Sec. Parfitt & Gibson (2003)

- ≡ *Pediocactus bradyi* var. *despainii* (S.L.Welsh & Goodrich) Hochstätter in Succulenta (Netherlands) 73: 57. 1994 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus bradyi* subsp. *despainii* (S.L.Welsh & Goodrich) Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeyia Revised: 64. 1995 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *despainii* (S.L.Welsh & Goodrich) Halda in Acta Mus. Richnov., Sect. Nat., 5: 14. 1998 syn. sec. Parfitt & Gibson (2003) ≡ *Puebloa bradyi* var. *despainii* (S.L.Welsh & Goodrich) Doweld in Sukkulenty 2(1): 22. 1999 – *Pediocactella bradyi* var. *despainii* (S.L.Welsh & Goodrich) Doweld, nom. inval. syn. sec. Parfitt & Gibson (2003)

***Pediocactus knowltonii* L.D.Benson in Cact. Succ. J. (Los Angeles) 32: 193. 1960.** Sec. Parfitt & Gibson (2003)

- ≡ *Pediocactus bradyi* var. *knowltonii* (L.D.Benson) Backeb., Descr. Cact. Nov. 3: 12. 1963 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *knowltonii* (L.D.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 13. 1998 syn. sec. Parfitt & Gibson (2003)

***Pediocactus nigrispinus* (Hochstätter) Hochstätter in Succulenta (Netherlands) 71(3): 99. 1992.** Sec. Parfitt & Gibson (2003)

- ≡ *Pediocactus simpsonii* var. *nigrispinus* Hochstätter in Succulenta (Netherlands) 69(9): 178-179. 1990 syn. sec. Parfitt & Gibson (2003)
 = *Pediocactus nigrispinus* var. *beastonii* Hochstätter in Succulenta (Netherlands) 71(3): 103, f. s.n. 1992 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus nigrispinus* subsp. *beastonii* (Hochstätter) Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeyia Revised: 29. 1995 syn. sec. Parfitt & Gibson (2003)
 = *Pediocactus nigrispinus* subsp. *puebloensis* Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeyia Revised: 152. 1995 syn. sec. Parfitt & Gibson (2003)

***Pediocactus paradinei* B.W.Benson in Cact. Succ. J. (Los Angeles) 29(5): 136–137, f. 83–84. 1957.** Sec. Parfitt & Gibson (2003)

- ≡ *Pilocanthus paradinei* (B.W.Benson) B.W.Benson & Backeb. in Kakteen And. Sukk. 8(12): 188. 1957 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *paradinei* (B.W.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 13. 1998 syn. sec. Parfitt & Gibson (2003)

***Pediocactus peeblesianus* (Croizat) L.D.Benson in Cact. Succ. J. (Los Angeles) 34(2): 58. 1962.** Sec. Parfitt & Gibson (2003)

- ≡ *Navajoa peeblesiana* Croizat in Cact. Succ. J. (Los Angeles) 15(6): 89, f. 42. 1943 syn. sec. Parfitt & Gibson (2003) ≡ *Toumeyia peeblesiana* (Croizat) W.T.Marshall in Cactus (Paris) 1: 5. 1946 syn. sec. Tropicos ≡ *Echinocactus peeblesianus* (Croizat) L.D.Benson, Cacti Ariz., ed. 2: 108. 1950 syn. sec. Parfitt & Gibson (2003) ≡ *Utahia peeblesiana* (Croizat) Kladiwa, Kakteen 40–41: CVIIIb. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Neonavajoa peeblesiana* (Croizat) Doweld in Sukkulenty 2(2): 43. 1999 syn. sec. Parfitt & Gibson (2003)
 = *Pediocactus peeblesianus* var. *maianus* L.D.Benson, Cacti Ariz., ed. 3: 24. 1969 syn. sec. Kew WCVP (2019)
 = *Navajoa peeblesiana* f. *maia* Hochstätter in Cactaceae Rev. 2: 11. 1999 syn. sec. Kew WCVP (2019) ≡ *Pediocactus peeblesianus* f. *maius* (Hochstätter) Hájek in Kaktusy (Brno) 36: 73. 2000 syn. sec. Kew WCVP (2019)
 = *Navajoa peeblesiana* f. *menzelii* Hochstätter in Cactaceae Rev. 2: 10. 1999 syn. sec. Kew WCVP (2019) ≡ *Pediocactus peeblesianus* f. *menzelii* (Hochstätter) Hájek in Kaktusy (Brno) 36: 73. 2000 syn. sec. Kew WCVP (2019) ≡ *Navajoa peeblesiana* subsp. *menzelii* (Hochstätter) Hochstätter, Gen. *Pediocactus* Navajoa Toumeyia: 44. 2007 syn. sec. Kew WCVP (2019)

***Pediocactus peeblesianus* subsp. *fickeisenii* (Backeb. ex Hochstätter) Lüthy in Kakteen And. Sukk. 50: 278. 1999.** Sec. Parfitt & Gibson (2003)

- ≡ *Navajoa fickeisenii* Backeb. in Cact. Succ. J. Gr. Brit. 22: 49. 1960 ≡ *Pediocactus peeblesianus* var. *fickeisenii* (Backeb. ex Hochstätter) L.D.Benson in Cact. Succ. J. (Los Angeles) 34: 59. 1962 syn. sec. Kew WCVP (2019) ≡ *Navajoa peeblesiana* var. *fickeisenii* Hochstätter in Succulenta (Netherlands) 73(3): 135. 1994 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus peeblesianus* subsp. *fickeiseniae* (Hochstätter) Lüthy in Kakteen And. Sukk. 50(11): 278. 1999 syn. sec. Parfitt & Gibson (2003) ≡ *Navajoa peeblesiana* subsp. *fickeisenii* (Backeb. ex Hochstätter) Hochstätter in Kakteen And. Sukk. 46(5): 116. 1995 syn. sec. Parfitt & Gibson (2003) ≡ *Neonavajoa peeblesiana* subsp. *fickeisenii* (Backeb. ex Hochstätter) Doweld in Sukkulenty 2(2): 43. 1999 syn. sec. Kew WCVP (2019) – *Toumeyia fickeisenii* (Backeb.) W.H.Earle, Cacti Southw.: 98. 1963, comb. inval. syn. sec. Tropicos

Pediocactus peeblesianus* subsp. *peeblesianus*.** Sec. Parfitt & Gibson (2003)Pediocactus sileri* (Engelm. ex J.M.Coult.) L.D.Benson in Cact. Succ. J. (Los Angeles) 33(2): 53. 1961.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus sileri* Engelm. ex J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 376. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Utahia sileri* (Engelm. ex J.M.Coult.) Britton & Rose, Cactaceae 3: 215. 1922 syn. sec. Tropicos

***Pediocactus simpsonii* (Engelm.) Britton & Rose, Ill. Fl. N. U.S., ed. 2, 2: 570. 1913.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus simpsonii* Engelm. in Trans. Acad. Sci. St. Louis 2: 197. 1863 syn. sec. Parfitt & Gibson (2003) ≡ *Mammillaria simpsonii* (Engelm.) M.E.Jones in Zoë 3(4): 302. 1893 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *simpsonii* syn. sec. Parfitt & Gibson (2003)

- = *Echinocactus simpsonii* var. *minor* Engelm. in Trans. Acad. Sci. St. Louis 2: 197. 1863 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus simpsonii* f. *minor* (Engelm.) Schelle, Handb. Kakteenkult.: 202. 1907 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *minor* (Engelm.) Cockerell in Torreya 18: 180. 1918 syn. sec. Kew WCVP (2019)
- = *Mammillaria purpusii* K.Schum. in Monatsschr. Kakteenk. 4: 165. 1894 syn. sec. Kew WCVP (2019)
- = *Mammillaria spaethiana* Späth in Cat. 1894-1895. 1895 syn. sec. Kew WCVP (2019)
- = *Echinocactus simpsonii* var. *robustior* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 377. 1896 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *robustior* (J.M.Coult.) L.D.Benson in Cact. Succ. J. (Los Angeles) 34(1): 19. 1962 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus robustior* (J.M.Coult.) Arp in Cact. Succ. J. (Los Angeles) 44(5): 222. 1972 syn. sec. Kew WCVP (2019) ≡ *Pediocactus simpsonii* subsp. *robustior* (J.M.Coult.) Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeya Revised: 41. 1995 syn. sec. Parfitt & Gibson (2003)
- = *Pediocactus hermannii* W.T.Marshall in Saguaro Bull. 8(7): 78–81. 1954 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *hermannii* (W.T.Marshall) W.T.Marshall in Saguaro Bull. 11: 79. 1957 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* var. *caespiticus* Backeb., Cactaceae 5: 2846. 1961 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* var. *indranianus* Hochstätter in Succulenta (Netherlands) 69(9): 178–183. 1990 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* subsp. *indranus* (Hochstätter) Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeya Revised: 43. 1995 syn. sec. Kew WCVP (2019) ≡ *Pediocactus nigrispinus* subsp. *indranus* (Hochstätter) Hochstätter in Cactaceae Rev. 6: 11. 2003 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* var. *indranus* Hochstätter in Succulenta (Netherlands) 69(9): 179. 1990 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* subsp. *bensonii* Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeya Revised: 46. 1995 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *acklinii* Hochstätter in Succulenta (Netherlands) 76: 264. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *campestris* Hochstätter in Succulenta (Netherlands) 76: 268. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *dinosauriensis* Hochstätter in Succulenta (Netherlands) 76: 266. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *flaminggorgensis* Hochstätter in Succulenta (Netherlands) 76: 269. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *flinspachii* Hochstätter in Succulenta (Netherlands) 76: 263. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *kuenzleri* Hochstätter in Succulenta (Netherlands) 76: 264. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *montanensis* Hochstätter in Succulenta (Netherlands) 76: 267. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *muehlii* Hochstätter in Succulenta (Netherlands) 76: 264. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* f. *sandiamontanus* Hochstätter in Succulenta (Netherlands) 76: 266. 1997 syn. sec. Kew WCVP (2019)
- = *Pediocactus simpsonii* subsp. *idahoensis* Hochstätter in Succulenta (Netherlands) 76: 124. 1997 syn. sec. Parfitt & Gibson (2003)
- *Pediocactus simpsonii* f. *prairie* Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeya Revised: 92. 1995, nom. inval. syn. sec. Kew WCVP (2019)

***Pediocactus winkleri* K.D.Heil in Cact. Succ. J. (Los Angeles) 51(1): 28-30. 1979. Sec. Parfitt & Gibson (2003)**

- ≡ *Pediocactus bradyi* var. *winkleri* (K.D.Heil) Hochstätter in Succulenta (Netherlands) 73: 55. 1994 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus bradyi* subsp. *winkleri* (K.D.Heil) Hochstätter, Gen. *Pediocactus*, Navajoa, Toumeya Revised: 61. 1995 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus simpsonii* var. *winkleri* (K.D.Heil) Halda in Acta Mus. Richnov., Sect. Nat., 5: 14. 1998 ≡ *Puebloa bradyi* subsp. *winkleri* (K.D.Heil) Doweld in Sukkulenty 2(1): 22. 1999 ≡ *Puebloa bradyi* var. *winkleri* (K.D.Heil) Doweld in Sukkulenty 2(1): 22. 1999 – *Pediocactella bradyi* subsp. *winkleri* (K.D.Heil) Doweld, nom. inval. syn. sec. Parfitt & Gibson (2003)

***Pelecyphora* C.Ehrenb. in Bot. Zeitung (Berlin) 1: 737. 1843. Sec. Vázquez-Sánchez & al. (2013)**

Type: *Pelecyphora aselliformis* C.Ehrenb.

- = *Encephalocarpus* A.Berger, Kakteen: 331. 1929 syn. sec. Hunt (2006). Type: *Encephalocarpus strobiliformis* (Werderm.) A.Berger

Notes. – **Phylogenetics:** The generic limits are not yet clarified, *Pelecyphora* was found monophyletic by Vázquez-Sánchez & al. (2013) and Bárcenas & al. (2011), who additionally found *Escobaria* paraphyletic to *Pelecyphora*. [Hernández-Ledesma & al. (2015)]

***Pelecyphora aselliformis* C.Ehrenb. in Bot. Zeitung (Berlin) 1: 737. 1843. Sec. Vázquez-Sánchez & al. (2013)**

- ≡ *Mammillaria aselliformis* (C.Ehrenb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 74. 1942 syn. sec. Kew WCVP (2019) – *Ariocarpus aselliformis* (C.Ehrenb.) F.A.C.Weber, Dict. Hort. 2: 931. 1898, comb. inval. – *Anhalonium aselliforme* (C.Ehrenb.) F.A.C.Weber, Dict. Hort. 2: 931. 1898, comb. inval. syn. sec. Vázquez-Sánchez & al. (2013)
- = *Pelecyphora aselliformis* var. *concolor* Hook.f. in Bot. Mag. 99: t. 6061. 1873 syn. sec. Kew WCVP (2019)

***Pelecyphora strobiliformis* (Werderm.) Frič & Schelle ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 9. 1935. Sec. Vázquez-Sánchez & al. (2013)**

- ≡ *Ariocarpus strobiliformis* Werderm. in Z. Sukkulente. 3(7): 126-128. 1927 syn. sec. Hunt (2006) ≡ *Encephalocarpus strobiliformis* (Werderm.) A.Berger, Kakteen: 332. 1929 syn. sec. Vázquez-Sánchez & al. (2013)

***Peniocereus* (A.Berger) Britton & Rose in Contr. U.S. Natl. Herb. 12: 428. 1909. Sec. Arias & al. (2005)**

Type: *Peniocereus greggii* (Engelm.) Britton & Rose

- ≡ *Cereus* subsect. *Peniocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 77. 1905 syn. sec. Hunt (2006)

= *Neoevansia* W.T.Marshall in Marshall & Bock, *Cactaceae*: 84. 1941 syn. sec. Hunt (2006). Type: *Neoevansia diguetii* (F.A.C.Weber) W.T.Marshall

= *Cullmannia* Distefano in *Kakteen And. Sukk.* 7: 8. 1956 syn. sec. Hunt (2006). Type: *Cullmannia viperina* (F.A.C.Weber) Distefano

Notes. – **Phylogenetics:** The generic circumscription of *Peniocereus* was revised based on the molecular phylogenetic study of Arias & al. (2005). Their study based on plastid *trnL-F* and *rpl16* found *Peniocereus* polyphyletic, its species resolved in three lineages. *Peniocereus* subg. *Pseudoacanthocereus* was found to be nested in *Acanthocereus*, yet both were also paraphyletic. For a classification reflecting these relationships, *Peniocereus* subg. *Pseudoacanthocereus* was transferred to *Acanthocereus* (Lodé 2013; Korotkova & al. 2017). The other major *Peniocereus* clade found by Arias & al. (2005) corresponds to *Peniocereus* subg. *Peniocereus*. *Peniocereus serpentinus* (Lag. & Rodr.) N. P. Taylor was resolved as a separate lineage. Since it is the type species of the earlier-proposed genus *Nyctocereus*, Arias & al. (2005) suggested reinstating it as monotypic. [Arias (2021)]

***Peniocereus greggii* (Engelm.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 428, pl. 74, 75. 1909.** Sec. Arias & al. (2005)

≡ *Cereus greggii* Engelm., Mem. Tour N. Mexico: 102. 1848 ≡ *Peniocereus greggii* subsp. *greggii*

= *Cereus pottsii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 208. 1850 syn. sec. Kew WCVP (2019)

= *Cereus greggii* var. *cismontanus* Engelm. in *Proc. Amer. Acad. Arts* 3: 287. 1856 syn. sec. Kew WCVP (2019)

= *Cereus greggii* var. *roseiflorus* Kunze in *Monatsschr. Kakteenk.* 20: 172. 1910 syn. sec. Kew WCVP (2019)

***Peniocereus greggii* var. *greggii*.** Sec. Parfitt & Gibson (2003)

***Peniocereus greggii* var. *transmontanus* (Engelm.) Backeb., *Cactaceae* 4: 1945. 1960.** Sec. Parfitt & Gibson (2003)

≡ *Cereus greggii* var. *transmontanus* Engelm. in *Proc. Amer. Acad. Arts* 3: 287. 1856 syn. sec. Parfitt & Gibson (2003) ≡

Peniocereus greggii subsp. *transmontanus* (Engelm.) U.Guzmán, *Cat. Cactaceas Mex.*: 199. 2003 syn. sec. Parfitt & Gibson (2003)

***Peniocereus johnstonii* Britton & Rose in *J. Wash. Acad. Sci.* 12: 329. 1922.** Sec. Arias & al. (2005)

≡ *Cereus johnstonii* (Britton & Rose) A.Berger, *Kakteen*: 126. 1929 syn. sec. Arias & al. (2005)

***Peniocereus lazaro-cardenasii* (J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo) D.R.Hunt in *Bradleya* 9: 90. 1991.** Sec. Arias & al. (2005)

≡ *Neoevansia lazaro-cardenasii* J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo in *Cact. Suc. Mex.* 25(3): 51. 1981 syn.

sec. Arias & al. (2005) ≡ *Wilcoxia lazaro-cardenasii* (J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo) A.Cartier in

Maandbl. Liefhebb. Cact. Vetpl. 3: 164. 1990 syn. sec. Arias & al. (2005) – *Neoevansia lazaro-cardenasii* J.L.Contr., J.Jiménez

Ram., Sánchez-Mej. & C.Toledo syn. sec. Arias & al. (2005) [is orthographic variant for *Neoevansia lazaro-cardenasii*

J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo]

***Peniocereus marianus* (Gentry) Sánchez-Mej. in *Cact. Suc. Mex.* 7: 85. 1962.** Sec. Arias & al. (2005)

≡ *Wilcoxia mariana* Gentry, *Rio Mayo Plants*: 191. 1942 syn. sec. Arias & al. (2005)

***Peniocereus papillosus* (Britton & Rose) U.Guzmán in *Cactaceae Syst. Init.* 16: 18. 2003.** Sec. Guzmán Cruz & al. (2003)

≡ *Wilcoxia papillosa* Britton & Rose, *Cactaceae* 2: 112. 1920 syn. sec. Guzmán Cruz & al. (2003)

***Peniocereus striatus* (K.Brandege) Buxb. in *Krainz, Kakteen*: 62: CIIa. 1975.** Sec. Arias & al. (2005)

≡ *Cereus striatus* K.Brandege in *Zoë* 2: 19. 1891 syn. sec. Parfitt & Gibson (2003) ≡ *Wilcoxia striata* (K.Brandege) Britton &

Rose in *Contr. U.S. Natl. Herb.* 12: 434. 1909 syn. sec. Parfitt & Gibson (2003) ≡ *Neoevansia striata* (K.Brandege) Sánchez-

Mej. in *Cact. Suc. Mex.* 18(1): 22. 1973 syn. sec. Parfitt & Gibson (2003)

= *Cereus diguetii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 1: 319. 1895 syn. sec. Parfitt & Gibson (2003) ≡ *Wilcoxia diguetii*

(F.A.C.Weber) Diguet & Guillaumin in *Arch. Hist. Nat. Soc. Acclim.* 4: 222. 1928 syn. sec. Parfitt & Gibson (2003) ≡

Neoevansia diguetii (F.A.C.Weber) W.T.Marshall, *Cactaceae*: 84. 1941 syn. sec. Parfitt & Gibson (2003) ≡ *Peniocereus*

diguetii (F.A.C.Weber) Backeb. in *Cact. Succ. J. (Los Angeles)* 23(4): 119. 1951 syn. sec. Parfitt & Gibson (2003)

***Peniocereus viperinus* (F.A.C.Weber) Kreuz., *Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 18. 1935.** Sec. Arias & al. (2005)

≡ *Cereus viperinus* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 10: 385. 1904 syn. sec. Guzmán Cruz & al. (2003) ≡ *Wilcoxia*

viperina (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 242. 1913 syn. sec. Guzmán Cruz & al. (2003) ≡

Cullmannia viperina (F.A.C.Weber) Distefano in *Kakteen And. Sukk.* 7: 9. 1956 syn. sec. Guzmán Cruz & al. (2003) –

Peniocereus viperinus (F.A.C.Weber) Buxb. in *Krainz, Kakteen* 62: C IIa. 1975, nom. inval. syn. sec. Guzmán Cruz & al.

(2003)

= *Wilcoxia tomentosa* Bravo in *Cact. Suc. Mex.* 3(2): 28–29, 32, f. 17–18. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡

Peniocereus tomentosus (Bravo) Buxb. in *Krainz, Kakteen* 55-56: CIIa. 1973 syn. sec. Korotkova (2021) ≡ *Wilcoxia viperina*

var. *tomentosa* (Bravo) Bravo in *Cact. Suc. Mex.* 19(2): 47. 1974 syn. sec. Guzmán Cruz & al. (2003)

***Peniocereus zopilotensis* (J.Meyrán) Buxb. in *Krainz, Kakteen* 62: CIIa. 1975.** Sec. Arias & al. (2005)

≡ *Wilcoxia zopilotensis* J.Meyrán in *Cact. Suc. Mex.* 14: 52, fig. 21-24. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Neoevansia*

zopilotensis (J.Meyrán) Sánchez-Mej. in *Cact. Suc. Mex.* 18(1): 24. 1973 syn. sec. Guzmán Cruz & al. (2003)

***Pereskia* Mill., *Gard. Dict. Abr.*, ed. 4: 1026. 1754.** Sec. Korotkova (2021)

Type: *Pereskia aculeata* Mill.

= *Peireskia* Zucc. in *Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss.* 2: 695. 1837

= *Peireskia* K.Schum., *Fl. Bras.* 4(2): 308. 1890 syn. sec. Tropicos

- = *Pereskia* sect. *Rhodocactus* A.Berger, *Kakteen*: 43. 1929 syn. sec. Hunt (2006)
 ≡ *Rhodocactus* (A.Berger) F.M.Knuth, *Nye Kaktusbog*: 102. 1930 syn. sec. Hunt (2006). Type: *Rhodocactus grandifolius* (Haw.) F.M.Knuth
 – *Carpophyllus* Neck., *Elem. Bot.* 2: 84. 1790, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** *Pereskia* has been repeatedly found to be paraphyletic by Nyffeler (2002), Edwards & al. (2005), and Butterworth & Edwards (2008). The genus forms a grade at the base of the *Cactaceae*, with a northern clade including Mesoamerican and Caribbean *Pereskias* as the first branching group followed by a southern clade, with mainly the Andean *Pereskias*, that also include the nomenclatural type of *Pereskia* (Butterworth & Wallace 2005; Edwards & al. 2005). No nomenclatural changes to reflect the paraphyly of *Pereskia* have been proposed by Edwards & al. (2005), who preferred their results to be tested with additional genes before suggesting a new classification for *Pereskia*. Also, no generic name was readily available for the northern *Pereskia* clade – the type of earlier-proposed segregate *Rhodocactus* was in the southern clade together with the type of *Pereskia* itself. An evolutionary instead of phylogenetic classification for *Pereskia* was favoured because both *Pereskia* clades have characters that are interpreted as ancestral within *Cactaceae*, such as a woody stem, the presence of true leaves, a flower morphology that differs from the rest of the *Cactaceae* and C₃ photosynthesis. Only recently, the northern *Pereskias* were segregated as *Leuenergeria* (Lodé 2013), yet this segregation also received criticism because the two clades are hard to distinguish morphologically (<http://www.mobot.org/MOBOT/research/Edge/apr13/apr13lit.shtml>; Hunt 2013). Seeking a compromise between molecular phylogenetic hypotheses and nomenclatural stability, Rowley (2013) suggested a subgenus *Leuenergera* (note the different spelling) for the northern *Pereskia* clade. [Hernández-Ledesma & al. (2015)]

***Pereskia aculeata* Mill., Gard. Dict., ed. 8: *Pereskia* No. 1. 1768. Sec. Hunt (2006)**

- ≡ *Cactus pereskia* L., *Sp. Pl.*: 469. 1753 syn. sec. Leuenberger (1986) ≡ *Pereskia pereskia* (L.) H.Karst., *Deut. Fl.*: 888. 1882 syn. sec. Leuenberger (1986) ≡ *Pereskia peireskia* H.Karst. in Kuntze, *Revis. Gen. Pl.* 3(2): 107. 1898 syn. sec. Kew WCVP (2019)
 = *Cactus lucidus* Salisb., *Prodr. Stirp. Chap. Allerton*: 849. 1796, nom. illeg. syn. sec. Leuenberger (1986)
 = *Pereskia longispina* Haw., *Syn. Pl. Succ.*: 178. 1812 syn. sec. Tropicos ≡ *Pereskia aculeata* var. *longispina* (Haw.) DC., *Prodr.* 3: 475. 1828 syn. sec. Tropicos
 = *Pereskia aculeata* var. *latifolia* Salm-Dyck, *Hort. Dyck.*: 202. 1834 syn. sec. Kew WCVP (2019)
 = *Pereskia acardia* J.Parm. ex Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Kew WCVP (2019) – *Pereskia arcadia* J.Parm. ex Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. TPL (2013) [is misspelling for *Pereskia acardia* J.Parm. ex Pfeiff.]
 = *Pereskia aculeata* var. *lanceolata* Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Leuenberger (1986)
 = *Pereskia aculeata* var. *rotundifolia* Hort.Dyck. ex Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Leuenberger (1986)
 = *Pereskia aculeata* var. *rubescens* Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Leuenberger (1986) ≡ *Pereskia aculeata* f. *rubescens* (Pfeiff.) Krainz, *Kakteen* 41A: A. 1969 syn. sec. Leuenberger (1986) ≡ *Pereskia rubescens* (Pfeiff.) Houghton in *J. Cact. Succ. Soc. Amer.* 1(2): 3. 1929 syn. sec. Leuenberger (1986)
 = *Pereskia brasiliensis* Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Kew WCVP (2019) ≡ *Pereskia brasiliensis* Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Kew WCVP (2019) ≡ *Pereskia aculeata* var. *brasiliensis* (Pfeiff.) Borg, *Cacti*, ed. 1: 50. 1937 syn. sec. Kew WCVP (2019)
 = *Pereskia fragrans* Lem., *Hort. Universel* 2: 40. 1841 syn. sec. Tropicos
 = *Pereskia undulata* Lem., *Ill. Hort.* 5 (Misc.): 11. 1858 syn. sec. Leuenberger (1986)
 = *Pereskia aculeata* var. *rotunda* Monach., *Ill. Dict. Gard.*: 589. 1901 syn. sec. Kew WCVP (2019)
 = *Pereskia foetens* Speg. in Weingart in *Monatsschr. Kakteenk.* 14: 134. 1904 syn. sec. Tropicos
 = *Pereskia godseffiana* Anon. in *Gard. Chron.*, ser. 3, 43: 257. 1908 syn. sec. Kew WCVP (2019) ≡ *Pereskia aculeata* var. *godseffiana* (Anon.) Backeb. & F.M.Knuth ex Krainz, *Kakteen*: A. 1969 syn. sec. Leuenberger (1986)

***Pereskia bahiensis* Gürke in *Monatsschr. Kakteenk.* 18: 86. 1908. Sec. Hunt (2006)**

- ≡ *Rhodocactus bahiensis* (Gürke) I.Asai & K.Miyata in *J. Jap. Bot.* 91: 9. 2016 syn. sec. Korotkova (2021)

***Pereskia bahiensis* subsp. *bahiensis*. Sec. Taylor & al.**

***Pereskia bahiensis* subsp. *minensis* N.P.Taylor & Albuquerque-Lima in *Phytotaxa* 494(3): 294. 2021. Sec. Taylor & al.**

***Pereskia diaz-romeroana* Cárdenas in *Lilloa* 23: 15, fig. 1, tab. 1. 1950. Sec. Hunt (2006)**

- *Pereskia diazromeroana* Cárdenas in *Lilloa* 23: 15, f. 1, t. 1. 1950 syn. sec. TPL (2013) [is orthographic variant for *Pereskia diaz-romeroana* Cárdenas]

***Pereskia grandifolia* Haw., *Suppl. Pl. Succ.*: 85-86. 1819. Sec. Hunt (2006)**

- ≡ *Cactus grandifolius* (Haw.) Link, *Enum. Hort. Berol. Alt.* 2: 25. 1822 syn. sec. Leuenberger (1986) ≡ *Rhodocactus grandifolius* (Haw.) F.M.Knuth, *Kaktus-ABC*: 97. 1936 ["1935"] syn. sec. Leuenberger (1986) ≡ *Pereskia grandifolia* var. *grandifolia*
 = *Pereskia grandiflora* Pfeiff., *Enum. Diagn. Cact.*: 177. 1837
 = *Pereskia ochnacarpa* Miq. in *Bull. Sci. Phys. Nat. Néerl.* 1: 48. 1838 syn. sec. Leuenberger (1986) – *Pereskia ochnacarpa* Miq. in *Bull. Sci. Phys. Nat. Néerl.* 1: 48. 1838 syn. sec. TPL (2013) [is misspelling for *Pereskia ochnacarpa* Miq.]
 = *Pereskia rosea* Hort. ex A.Dietr. in *Allg. Gartenzeitung* 19: 153. 1851 syn. sec. Leuenberger (1986)
 = *Pereskia tampicana* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 4: 167. 1898 syn. sec. Leuenberger (1986) ≡ *Rhodocactus tampicanus* (F.A.C.Weber) Backeb., *Cactaceae* 1: 115. 1958 syn. sec. Leuenberger (1986)

***Pereskia grandifolia* subsp. *grandifolia*. Sec. Hunt (2006)**

***Pereskia grandifolia* subsp. *violacea* (Leuenb.) N.P.Taylor & Zappi in *Cactaceae Consensus Init.* 3: 7. 1997. Sec. Hunt (2006)**

≡ *Pereskia grandifolia* var. *violacea* Leuenb. in Mem. New York Bot. Gard. 41: 116. 1986 syn. sec. Hunt (2006) ≡ *Rhodocactus grandifolius* subsp. *violaceus* (Leuenb.) I.Asai & K.Miyata in J. Jap. Bot. 91: 9. 2016 syn. sec. Korotkova (2021) ≡ *Pereskia violacea* (Leuenb.) N.P.Taylor in *Cactaceae Syst. Init.* 38: 5. 2017

***Pereskia horrida* (Kunth) DC., Prodr. 3: 475. 1828. Sec. Hunt (2006)**

≡ *Cactus horridus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 70. 1823 syn. sec. Hunt (2006) ≡ *Rhodocactus horridus* (Kunth) F.M.Knuth, *Kaktus-ABC*: 97. 1936 ["1935"] syn. sec. Hunt (2006)
 = *Pereskia humboldtii* Britton & Rose, *Cactaceae* 4: 251. 1923 syn. sec. Hunt (2006)
 = *Pereskia vargasii* H.Johnson in *Cact. Succ. J. (Los Angeles)* 24(4): 115. 1952 syn. sec. Brako & Zarucchi (1993)
 = *Pereskia vargasii* var. *longispina* Rauh & Backeb., *Descr. Cact. Nov.* 1: 6. 1957 ["1956"] syn. sec. Leuenberger (1986)
 = *Pereskia vargasii* var. *rauhii* Backeb., *Descr. Cact. Nov.* 1: 6. 1957 ["1956"] syn. sec. Leuenberger (1986) ≡ *Pereskia humboldtii* var. *rauhii* (Backeb.) Leuenb. in Mem. New York Bot. Gard. 41: 69. 1986 syn. sec. Hunt (2006) ≡ *Pereskia horrida* subsp. *rauhii* (Backeb.) Ostolaza in *Cactaceae Consensus Init.* 6: 9. 1998 syn. sec. Hunt (2006)

***Pereskia nemorosa* Rojas Acosta, *Cat. Nat. Hist. Corrient.*: 64. 1897. Sec. Hunt (2006)**

≡ *Rhodocactus nemorosus* (Rojas Acosta) I.Asai & K.Miyata in J. Jap. Bot. 91: 9. 2016 syn. sec. Korotkova (2021)
 = *Pereskia amapola* F.A.C.Weber in Bois, *Dict. Hort.*: 938. 1898 syn. sec. Leuenberger (1986)
 = *Pereskia argentina* F.A.C.Weber in Bois, *Dict. Hort.*: 938. 1898 syn. sec. Leuenberger (1986) – *Pereskia amapola* var. *argentina* F.A.C.Weber ex Weing. in *Monatsschr. Kakteenk.* 14: 87. 1904, nom. inval. syn. sec. Leuenberger (1986)

***Pereskia sacharosa* Griseb. in *Abh. Königl. Ges. Wiss. Göttingen* 24: 141. 1879. Sec. Hunt (2006)**

≡ *Rhodocactus sacharosa* (Griseb.) Backeb., *Kakteenlex.*: 397. 1966 syn. sec. Leuenberger (1986)
 = *Pereskia moorei* Britton & Rose, *Cactaceae* 1: 15. 1919 syn. sec. Leuenberger (1986)
 = *Pereskia saipinensis* Cárdenas in *Cactus (Paris)* 80-81: 17. 1964 syn. sec. Leuenberger (1986) ≡ *Rhodocactus saipinensis* (Cárdenas) Backeb., *Kakteenlex.*: 397. 1966 syn. sec. Leuenberger (1986)
 = *Pereskia sparsiflora* F.Ritter, *Kakteen Südamerika* 2: 482. 1980 syn. sec. Leuenberger (1986)

***Pereskia stenantha* F.Ritter, *Kakteen Südamerika* 1: 21. 1979. Sec. Hunt (2006)**

≡ *Rhodocactus stenanthus* (F.Ritter) I.Asai & K.Miyata in J. Jap. Bot. 91: 10. 2016 syn. sec. Korotkova (2021)

***Pereskia weberiana* K.Schum., *Gesamtbeschr. Kakt.*: 762. 1898. Sec. Hunt (2006)**

= *Rhodocactus antonianus* Backeb., *Descr. Cact. Nov.* 3: 13. 1963 syn. sec. Leuenberger (1986) – *Pereskia antoniana* (Backeb.) Rauh, *Kakteen an ihren Standorten*: 89. 1979, comb. inval. syn. sec. Leuenberger (1986)

***Peresklopsis* Britton & Rose in *Smithsonian Misc. Collect.* 50: 331. 1907. Sec. Hunt (2006)**

Type: *Peresklopsis brandegeei* (K.Schum.) Britton & Rose

Notes. – *Peresklopsis* is monophyletic, and a member of *Cylindropuntieae* (*Opuntieae*). *Quiabentia* and *Peresklopsis* are the only members of *Opuntioideae* with photosynthetically active leaves (Majure & al. 2019; Arias & al. 2012). [Arias (2021)]

***Peresklopsis aquosa* (F.A.C.Weber) Britton & Rose in *Smithsonian Misc. Collect.* 50: 331. 1907. Sec. Hunt (2006)**

≡ *Opuntia aquosa* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 4: 165. 1898 syn. sec. Hunt (2006) ≡ *Grusonia aquosa* (F.A.C.Weber) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kew WCVP (2019)

Peresklopsis blakeana* J.G.Ortega in *Apuntes Fl. Indig. Sinaloa, Fam. Cact. A: no. 1. 1929. Sec. Hunt (2006)

≡ *Grusonia blakeana* (J.G.Ortega) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kew WCVP (2019)

***Peresklopsis diguetii* (F.A.C.Weber) Britton & Rose in *Smithsonian Misc. Collect.* 50: 332. 1907. Sec. Hunt (2006)**

≡ *Opuntia diguetii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 4: 166. 1898 syn. sec. Hunt (2006) ≡ *Grusonia diguetii* (F.A.C.Weber) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kew WCVP (2019)

= *Pereskia crassicaulis* Zucc. ex Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Kew WCVP (2019)

= *Pereskia spathulata* Otto ex Pfeiff., *Enum. Diagn. Cact.*: 176. 1837 syn. sec. Hunt (2006) ≡ *Opuntia spathulata* (Otto ex Pfeiff.) F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 4: 165. 1898 syn. sec. Hunt (2006) ≡ *Peresklopsis spathulata* (Otto ex Pfeiff.) Britton & Rose in *Smithsonian Misc. Collect.* 50: 333. 1907 syn. sec. Hunt (2006)

= *Peireskia spathulata* K.Schum. in *Engler & Prantl, Nat. Pflanzenfam.* 3(6a): 204. 1894

= *Peresklopsis velutina* Rose in *Smithsonian Misc. Collect.* 50: 333. 1907 syn. sec. Hunt (2006)

= *Pereskia higueraana* Cárdenas in *Cactus (Paris)* 80-81: 18. 1964 syn. sec. Tropicos ≡ *Rhodocactus higueraanus* (Cárdenas) Backeb., *Kakteenlex.*: 396. 1966 syn. sec. Tropicos

***Peresklopsis kellermanii* Rose in *Smithsonian Misc. Collect.* 50: 332. 1907. Sec. Hunt (2006)**

≡ *Grusonia kellermanii* (Rose) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kew WCVP (2019)

= *Peresklopsis scandens* Britton & Rose, *Cactaceae* 4: 252. 1923 syn. sec. Hunt (2006) ≡ *Pereskia scandens* (Britton & Rose) Standl. in *Publ. Field Mus. Nat. Hist., Bot. Ser.* 3(3): 369. 1930 syn. sec. Tropicos

***Peresklopsis porteri* (K.Brandegee ex F.A.C.Weber) Britton & Rose in *Smithsonian Misc. Collect.* 50: 332. 1907. Sec. Hunt (2006)**

≡ *Opuntia porteri* K.Brandegee ex F.A.C.Weber in Bois, *Dict. Hort.*: 899. 1898 syn. sec. Hunt (2006) ≡ *Grusonia porteri* (Brandegee ex F.A.C.Weber) G.D.Rowley in *Tephrocactus Study Group* 12(3): 42. 2006 syn. sec. Kew WCVP (2019)

= *Opuntia rotundifolia* K.Brandegee in *Zoë* 2: 21. 1891 syn. sec. Kew WCVP (2019)

= *Opuntia brandegeei* K.Schum., Gesamtbeschr. Kakt.: 652. 1898 syn. sec. CONABIO. 2009. Catálogo taxonómico de especies de México. 1. In Capital Nat. México. CONABIO, Mexico City = *Pereskiaopsis brandegeei* (K.Schum.) Britton & Rose in Smithsonian Misc. Collect. 50: 331. 1907 syn. sec. CONABIO. 2009. Catálogo taxonómico de especies de México. 1. In Capital Nat. México. CONABIO, Mexico City

= *Pereskiaopsis gatesii* Baxter in Cact. Succ. J. (Los Angeles) 3: 133. 1932 syn. sec. Hunt (2006)

***Pereskiaopsis rotundifolia* (DC.) Britton & Rose in Smithsonian Misc. Collect. 50: 333. 1907. Sec. Hunt (2006)**

≡ *Pereskia rotundifolia* DC., Prodr. 3: 475. 1828 syn. sec. Hunt (2006) ≡ *Grusonia rotundifolia* (DC.) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Kew WCVP (2019) – *Cactus rotundifolius* Moc. & Sessé ex DC., Prodr. 3: 475. 1828, nom. inval. syn. sec. Kew WCVP (2019)

= *Cactus frutescens* Moc. & Sessé ex Pfeiff., Enum. Diagn. Cact.: 178. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia chapistle* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 388. 1904 syn. sec. Hunt (2006) ≡ *Pereskiaopsis chapistle* (F.A.C.Weber) Britton & Rose in Smithsonian Misc. Collect. 50: 331. 1907 syn. sec. Hunt (2006)

Pfeiffera Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 40. 1845. Sec. Korotkova & al. (2010)

Type: *Pfeiffera cereiformis* Salm-Dyck

= *Rhipsalis* subg. *Acanthorhipsalis* K.Schum., Gesamtbeschr. Kakt.: 615. 1898 syn. sec. Korotkova & al. (2010). Type: *Rhipsalis monacantha* Griseb.

≡ *Acanthorhipsalis* (K.Schum.) Britton & Rose, Cactaceae 4: 211. 1923 syn. sec. Korotkova & al. (2010)

= *Bolivihanburya* Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 28. 2016 syn. sec. Korotkova (2021)

Notes. – **Phylogenetics:** The circumscription of *Pfeiffera* has undergone several radical changes in the past, and until the early 1980s, it was treated as monotypic genus with *P. ianthothele* (Monv.) F. A. C. Weber. Kimmach (1983) subsumed *Pfeiffera* under *Rhipsalis*, while Barthlott (1987), Barthlott & Taylor (1995) and Anderson (2001, 2005) synonymized it with *Lepismium*. In the molecular phylogeny of Nyffeler (2002), *P. ianthothele* unexpectedly grouped together with two traditional *Lepismium* species, and widely distant from either *Rhipsalis* or *Lepismium*. Hunt (2006) broadened the concept of *Pfeiffera* to include nine species. This circumscription of *Pfeiffera* was evaluated and clarified Korotkova & al. (2010) who rejected the circumscription of Hunt (2006) that also included the species now segregated as *Lymanbensonia* (see also note under *Lymanbensonia*). [Hernández-Ledesma & al. (2015)]

***Pfeiffera asuntapatensis* (M.Kessler, Ibisch & Barthlott) Ralf Bauer in Cactaceae Syst. Init. 20: 6. 2005. Sec. Korotkova & al. (2010)**

≡ *Lepismium asuntapatense* M.Kessler, Ibisch & Barthlott in Bradleya 18: 13-14. 2000 syn. sec. Korotkova & al. (2010) = *Bolivihanburya asuntapatensis* (M.Kessler, Ibisch & Barthlott) Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 71. 2016 syn. sec. Kew WCVP (2019)

***Pfeiffera boliviana* (Britton) D.R.Hunt in Cactaceae Syst. Init. 14: 18. 2002. Sec. Korotkova & al. (2010)**

≡ *Hariota boliviana* Britton in Mem. Torrey Bot. Club 3(3): 40. 1893 syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis boliviana* (Britton) Lauterb., Contr. Fl. Bolivia 1: 145. 1910 syn. sec. Korotkova & al. (2010) ≡ *Lepismium bolivianum* (Britton) Barthlott in Bradleya 9: 89. 1991 syn. sec. Korotkova & al. (2010) ≡ *Nothorhipsalis boliviana* (Britton) Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Korotkova & al. (2010) ≡ *Bolivihanburya boliviana* (Britton) Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 28. 2016 syn. sec. Kew WCVP (2019) – *Lepismium bolivianum* (Britton) E.Ewald in Epiphytes 7(28): 79. 1983, nom. inval. syn. sec. Korotkova & al. (2010)

***Pfeiffera ianthothele* (Monv.) F.A.C.Weber in Bois, Dict. Hort.: 944. 1898. Sec. Korotkova & al. (2010)**

≡ *Cereus ianthothele* Monv., Hort. Universel 1: 218. 1839 syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis ianthothele* (Monv.) K.Brandege in Cycl. Amer. Hort. 4: 1514. 1902 syn. sec. Korotkova & al. (2010) ≡ *Lepismium ianthothele* (Monv.) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010)

= *Pfeiffera cereiformis* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 41. 1845, nom. illeg. syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis cereiformis* (Salm-Dyck) C.F.Först., Handb. Cacteenk.: 454. 1846 syn. sec. Korotkova & al. (2010)

= *Hariota cereiformis* Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Korotkova & al. (2010)

= *Pfeiffera erecta* F.Ritter in Taxon 13: 116. 1964 syn. sec. Korotkova & al. (2010) ≡ *Lepismium erectum* (F.Ritter) Süplie in Repert. Pl. Succ. 41: 9. 1991 ["1990"] syn. sec. Korotkova & al. (2010)

= *Pfeiffera matalensis* F.Ritter in Taxon 13: 115. 1964 syn. sec. Korotkova & al. (2010) ≡ *Lepismium matalense* (F.Ritter) Süplie in Repert. Pl. Succ. 41: 9. 1991 ["1990"] syn. sec. Korotkova & al. (2010)

= *Pfeiffera matalensis* var. *floccosa* F.Ritter in Taxon 13: 116. 1964 syn. sec. Korotkova & al. (2010) ≡ *Lepismium matalense* var. *floccosum* (F.Ritter) Süplie, Rhipsalidinae: 13. 1990 syn. sec. Korotkova (2021)

= *Pfeiffera multigona* Cárdenas in Cactus (Paris) 82: 51. 1964 syn. sec. Korotkova & al. (2010)

= *Pfeiffera gracilis* F.Ritter, Kakteen Südamerika 2: 505. 1980 syn. sec. Korotkova & al. (2010)

= *Pfeiffera ianthothele* var. *boliviana* F.Ritter, Kakteen Südamerika 2: 503. 1980 syn. sec. Kew WCVP (2019)

= *Pfeiffera ianthothele* var. *tarijensis* F.Ritter, Kakteen Südamerika 2: 503. 1980 syn. sec. Kew WCVP (2019)

– *Cereus janthothele* Monv. ex Salm-Dyck, Cact. Hort. Dyck. 1841 syn. sec. Korotkova & al. (2010) [is orthographic variant for *Cereus ianthothele* Monv.]

– *Lepismium ianothele* (Monv.) Barthlott in Bradleya 5: 99. 1987 syn. sec. TPL (2013) [is misspelling for *Lepismium ianthothele* (Monv.) Barthlott]

***Pfeiffera miyagawae* Barthlott & Rauh in Cact. Succ. J. (Los Angeles) 59: 63-64. 1987. Sec. Korotkova & al. (2010)**

≡ *Lepismium miyagawae* (Barthlott & Rauh) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010) ≡ *Rhipsalis miyagawae* (Barthlott & Rauh) Kimmach in Cact. Succ. J. (Los Angeles) 68(3): 156. 1996 syn. sec. Korotkova & al. (2010)

***Pfeiffera monacantha* (Griseb.) P.V.Heath in Calyx 4(4): 158. 1994.** Sec. Korotkova & al. (2010)

- ≡ *Rhypsalis monacantha* Griseb. in Abh. Königl. Ges. Wiss. Göttingen 24: 140. 1879 syn. sec. Korotkova & al. (2010) ≡ *Hariota monacantha* (Griseb.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhypsalis monacantha* (Griseb.) Britton & Rose, Cactaceae 4: 212. 1923 syn. sec. Korotkova & al. (2010) ≡ *Lepismium monacanthum* (Griseb.) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010)
- = *Rhypsalis asperula* Vaupel, Kakteen 2: 82. 1926 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhypsalis asperula* (Vaupel) Borg, Cacti, ed. 1: 367. 1937 syn. sec. Korotkova & al. (2010)
- = *Acanthorhypsalis incahuasina* Cárdenas in Cactus (Paris) 34: 127. 1952 syn. sec. Korotkova & al. (2010) ≡ *Pfeiffera incahuasina* (Cárdenas) P.V.Heath in Calyx 4(4): 158. 1994 syn. sec. Korotkova & al. (2010)
- = *Rhypsalis monacantha* var. *samaipatana* Cárdenas in Natl. Cact. Succ. J. 12: 85. 1957 syn. sec. Korotkova & al. (2010) ≡ *Acanthorhypsalis monacantha* var. *samaipatana* (Cárdenas) Backeb., Cactaceae 2: 701. 1959 syn. sec. Korotkova (2021) ≡ *Acanthorhypsalis samaipatana* (Cárdenas) F.Ritter, Kakteen Südamerika 4: 1628. 1981 syn. sec. Korotkova & al. (2010) ≡ *Pfeiffera incahuasina* var. *samaipatana* (Cárdenas) P.V.Heath in Calyx 4: 158. 1994 syn. sec. Korotkova (2021)
- = *Rhypsalis monacantha* var. *espinosa* Kimmach in Cact. Succ. J. (Los Angeles) 67: 38. 1995 syn. sec. Korotkova (2021) ≡ *Lepismium monacanthum* subsp. *espinosum* (Kimmach) Süpple, Rhypsalis and Lepismium: 74. 2007 syn. sec. Kew WCVP (2019)

***Pfeiffera monacantha* subsp. *kinnachii* (Doweld) Ralf Bauer in Cactaceae Syst. Init. 19: 8. 2005.** Sec. Korotkova & al. (2010)

- ≡ *Acanthorhypsalis monacantha* subsp. *kinnachii* Doweld in Sukkulenty 4: 41. 2002 ["2001"] syn. sec. Korotkova (2021)

Pfeiffera monacantha* subsp. *monacantha*.** Sec. Korotkova & al. (2010)Pfeiffera paranganiensis* (Cárdenas) P.V.Heath in Calyx 4(4): 158. 1994.** Sec. Korotkova & al. (2010)

- ≡ *Acanthorhypsalis paranganiensis* Cárdenas in Cactus (Paris) 34: 126. 1952 syn. sec. Korotkova & al. (2010) ≡ *Rhypsalis paranganiensis* (Cárdenas) Kimmach in Cact. Succ. J. (Los Angeles) 55: 181. 1983 syn. sec. Korotkova & al. (2010) ≡ *Lepismium paranganiense* (Cárdenas) Barthlott in Bradleya 5: 99. 1987 syn. sec. Korotkova & al. (2010) ≡ *Nothorhypsalis paranganiensis* (Cárdenas) Doweld in Oesterr. Akad. Wiss., Math.-Naturwiss. Kl., Denkschr. 4(1–2): 29. 2001 syn. sec. Korotkova & al. (2010) ≡ *Bolivihanburya paranganiensis* (Cárdenas) Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 29. 2016 syn. sec. Kew WCVP (2019)

***Pilosocereus* Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 66. 1957.** Sec. Franck (2021)

Type: *Pilosocereus leucocephalus* (Poselg.) Byles & G.D.Rowley

- = *Pseudopilocereus* Buxb. in Beitr. Biol. Pflanzen 44: 249. 1968 syn. sec. Hunt (2006). Type: *Pseudopilocereus arrabidae* (Lem.) Buxb.

Notes. – **Phylogenetics:** Calvente & al. (2017) revealed a paraphyletic *Pilosocereus*. Recently, Lavar & al. (2020) proposed the new genus *Xiquexique* to accommodate species of *Pilosocereus* subgen. *Gounellea*. [Köhler (2021)] **Key literature:** Monograph by Zappi (1994); floristic treatments by Taylor & Zappi (2004), Franck & al. (2019).

***Pilosocereus albisummus* P.J.Braun & Esteves in Kakteen And. Sukk. 38(5): 130. 1987.** Sec. Zappi (1994)

- ≡ *Pilosocereus pachycladus* subsp. *albisummus* (P.J.Braun & Esteves) Guiggi in Cactology 5(Suppl. 11): 1. 2020

***Pilosocereus alensis* (F.A.C.Weber) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 66. 1957.** Sec. Zappi (1994)

- ≡ *Pilocereus alensis* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 2: 508. 1905 syn. sec. Zappi (1994) ≡ *Cephalocereus alensis* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 12: 415. 1909 syn. sec. Tropicos ≡ *Cereus alensis* (F.A.C.Weber) Vaupel in Monatsschr. Kakteenk. 23: 23. 1913 syn. sec. Kew WCVP (2019)

- = *Pilocereus houlettii* Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Korotkova (2021) ≡ *Pilocereus houlettianum* Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Britton & Rose (1920)

- = *Pilocereus marschalleckianus* Zeiss. in Monatsschr. Kakteenk. 8: 34. 1898 syn. sec. Britton & Rose (1920)

- = ?*Pilocereus guerreronis* Backeb. in Beitr. Sukkulenteenk. Sukkulentepflege 1941: 3. 1941 syn. sec. Zappi (1994) ≡ *Pilosocereus guerreronis* (Backeb.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 67. 1957 syn. sec. Zappi (1994) ≡ *Cephalocereus guerreronis* (Backeb.) Buxb. in Bot. Stud. 12: 101. 1961 syn. sec. Kew WCVP (2019)

***Pilosocereus armatus* (Otto ex Pfeiff.) A.R.Franck in Willdenowia 51: 264. 2021.** Sec. Franck (2021)

- ≡ *Cereus armatus* Otto ex Pfeiff., Enum. Diagn. Cact.: 81. 1837 syn. sec. Franck (2021) ≡ *Cereus royenii* var. *armatus* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 276. 1843 syn. sec. Franck (2021) ≡ *Pilocereus royenii* var. *armatus* Salm-Dyck ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 682. 1886 syn. sec. Franck (2021)

Notes. – The earliest available basionym for the *Pilosocereus* Byles & G.D.Rowley cacti of Puerto Rico and the Virgin Islands appears to be *Cereus armatus*. The protologue of *C. armatus* described the stems as “vix glaucescens”, which may pertain to cultivated young plants or stressed or older stems that are sometimes not as bluish glaucescent as are mature, vigorous stems. The use of *P. royenii* (L.) Byles & G.D.Rowley for these plants by Franck & al. (2019) cannot be followed because it overlooked the designation of neotype for *Cactus royenii* L. made by Mottram (2013). Both the neotype and the protologue of *C. royenii* (Linnaeus 1753) are ambiguous with regard to provenance and precise identity. [Franck (2021)]

- Pilosocereus arrabidae* (Lem.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Taylor & Zappi (2004)
 ≡ *Pilosocereus arrabidae* Lem. in Rev. Hort. 34: 429. 1862 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus arrabidae* (Lem.) Britton & Rose, Cactaceae 2: 42. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Cereus arrabidae* (Lem.) A.Berger, Kakteen: 156. 1929 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus arrabidae* (Lem.) Buxb. in Beitr. Biol. Pflanzen 44(2): 252. 1968 syn. sec. Taylor & Zappi (2004)
 = *Cereus virens* DC. in Mém. Mus. Hist. Nat. 17: 116. 1828 syn. sec. Kew WCVP (2019)
 = *Cactus hexagonus* Vell., Fl. Flumin.: 205. 1829 syn. sec. Taylor & Zappi (2004)
 = *Cereus retroflexus* Pfeiff. in Allg. Gartenzeitung 3: 380. 1835 syn. sec. Kew WCVP (2019)
 = *Cereus tilophorus* Pfeiff. in Allg. Gartenzeitung 3: 380. 1835 syn. sec. Kew WCVP (2019) ≡ *Cereus tilophorus* Pfeiff. ex Labour., Monogr. Cactaceae: 359. 1853 syn. sec. Kew WCVP (2019) ≡ *Cephalocereus arrabidae* var. *tilophorus* (Pfeiff.) Borg, Cacti, ed. 1: 106. 1937 syn. sec. Kew WCVP (2019)
 = *Cereus exerens* Link ex Pfeiff., Enum. Diagn. Cact.: 99. 1837 syn. sec. Kew WCVP (2019)
 = *Cereus arrabidae* Steud., Nomencl. Bot., ed. 2, 1: 333. 1840 syn. sec. Kew WCVP (2019)
 = *Cereus reflexus* Steud., Nomencl. Bot., ed. 2, 1: 335. 1840 syn. sec. Kew WCVP (2019)
 = *Cereus ericomus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 47. 1850 syn. sec. Britton & Rose (1920)
 = *Pilosocereus oligogonus* C.F.Först. ex Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Korotkova (2021)
 = *Pilosocereus tilophorus* Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Kew WCVP (2019)
 = *Pilosocereus virens* Lem. in Ill. Hort. 13(Misc.): 20. 1866 syn. sec. Kew WCVP (2019)
 = *Cereus warmingii* K.Schum., Fl. Bras. 4(2): 204. 1890 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus exerens* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894, nom. illeg. syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus exerens* (K.Schum.) L.H.Bailey, Stand. Cycl. Hort. 2: 715. 1914, nom. illeg. syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus virens* C.F.Först. ex K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 180. 1894 syn. sec. Korotkova (2021)
 = *Pilosocereus vollii* Backeb., Kaktus-ABC: 417. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- Pilosocereus aureispinus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 83. 1979.** Sec. Taylor & Zappi (2004)
 ≡ *Coleocephalocereus aureispinus* Buining & Brederoo in Kakteen And. Sukk. 25(4): 73. 1974 syn. sec. Taylor & Zappi (2004)
- Pilosocereus aurilanatus* F.Ritter, Kakteen Südamerika 1: 77. 1979.** Sec. LAVOR & al. (2020)
 ≡ *Pseudopilosocereus aurilanatus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. LAVOR & al. (2020) ≡ *Pilosocereus aurisetus* subsp. *aurilanatus* (F.Ritter) Zappi in Succ. Pl. Res. 3: 123. 1994 syn. sec. LAVOR & al. (2020)
- Pilosocereus aurisetus* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Taylor & Zappi (2004)
 ≡ *Pilosocereus aurisetus* Werderm., Bras. Säulenakt.: 103. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus aurisetus* (Werderm.) Werderm. ex Borg, Cacti, ed. 1: 109. 1937 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus aurisetus* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus aurisetus* subsp. *aurisetus* syn. sec. Taylor & Zappi (2004)
 = *Cereus coeruleus* Salm-Dyck, Hort. Dyck.: 335. 1834 syn. sec. Kew WCVP (2019)
 = *Cereus mendory* Pfeiff., Enum. Diagn. Cact.: 85. 1837 syn. sec. Kew WCVP (2019)
 = *Pilosocereus andryanus* Cels ex Lem. in Rev. Hort. 1862: 427. 1862 syn. sec. Kew WCVP (2019)
 = *Pseudopilosocereus werdermannianus* Buining & Brederoo in Kakteen And. Sukk. 26: 74. 1975 syn. sec. Taylor & Zappi (2004)
 ≡ *Pilosocereus werdermannianus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 76. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus aurisetus* subsp. *werdermannianus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Kew WCVP (2019)
 = *Pilosocereus werdermannianus* var. *densilanatus* F.Ritter, Kakteen Südamerika 1: 77. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus werdermannianus* var. *densilanatus* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Kew WCVP (2019)
 ≡ *Pilosocereus aurisetus* subsp. *densilanatus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Kew WCVP (2019)
 = *Pilosocereus werdermannianus* var. *diamantinensis* F.Ritter, Kakteen Südamerika 1: 77. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus werdermannianus* var. *diamantinensis* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Kew WCVP (2019)
 = *Pilosocereus supthutianus* P.J.Braun in Kakteen And. Sukk. 36: 103. 1985 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus aurisetus* subsp. *supthutianus* (P.J.Braun) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Kew WCVP (2019)
- Pilosocereus azulensis* N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 8. 1997.** Sec. Taylor & Zappi (2004)
- Pilosocereus bohlei* Hofacker in Kakteen And. Sukk. 52: 255. 2001.** Sec. LAVOR & al. (2020)
- Pilosocereus brasiliensis* (Britton & Rose) Backeb., Cactaceae 4: 2423. 1960.** Sec. Taylor & Zappi (2004)
 ≡ *Cephalocereus brasiliensis* Britton & Rose, Cactaceae 2: 57, f. 84. 1920 syn. sec. Hunt (2006) ≡ *Cereus brasiliensis* (Britton & Rose) Luetzelb. in Estud. Bot. Nordeste 3: 52. 1926 syn. sec. Kew WCVP (2019) ≡ *Pilosocereus brasiliensis* (Britton & Rose) Werderm., Bras. Säulenakt.: 105. 1933 syn. sec. Hunt (2006)
 = ?*Cereus sublanatus* Salm-Dyck, Hort. Dyck.: 337. 1834 syn. sec. Hunt (2006) ≡ *Pilosocereus sublanatus* C.F.Först. ex Haage, Verz. Cact.: 22. 1864 syn. sec. Hunt (2006) ≡ *Pilosocereus sublanatus* (Salm-Dyck) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Hunt (2006)
- Pilosocereus brasiliensis* subsp. *brasiliensis*.** Sec. Taylor & Zappi (2004)

***Pilosocereus brasiliensis* subsp. *ruschianus* (Buining & Brederoo) Zappi in Succ. Pl. Res. 3: 64. 1994.** Sec. Taylor & Zappi (2004)

≡ *Pseudopilocereus ruschianus* Buining & Brederoo in Kakteen And. Sukk. 31(2): 35. 1980 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus ruschianus* (Buining & Brederoo) P.J.Braun in Kakteen And. Sukk. 35: 181. 1984 syn. sec. Taylor & Zappi (2004)

***Pilosocereus brooksianus* (Britton & Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Franck & al. (2019)

≡ *Cephalocereus brooksianus* Britton & Rose in Torreyia 12: 14. 1912 syn. sec. Franck & al. (2019) ≡ *Cereus brooksianus* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 22: 66. 1912 syn. sec. Franck & al. (2019) ≡ *Pilosocereus brooksianus* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 329. 1936 ["1935"] syn. sec. Franck & al. (2019)

***Pilosocereus catingicola* (Gürke) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Taylor & Zappi (2004)

≡ *Cereus catingicola* Gürke in Monatsschr. Kakteenk. 18: 54. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus catingicola* (Gürke) Britton & Rose, Cactaceae 2: 56. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus catingicola* (Gürke) Werderm., Bras. Säulenakt.: 104. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus catingicola* (Gürke) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004)

= *Pilosocereus robustus* F.Ritter, Kakteen Südamerika 1: 72. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus robustus* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus catingicola* subsp. *robustus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995

***Pilosocereus catingicola* subsp. *cattingicola*.** Sec. Taylor & Zappi (2004)

= *Pilosocereus arenicola* Werderm., Bras. Säulenakt.: 109. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus arenicola* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus catingicola* subsp. *arenicola* (Werderm.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Taylor & Zappi (2004)

***Pilosocereus catingicola* subsp. *salvadorensis* (Werderm.) Zappi in Succ. Pl. Res. 3: 55. 1994.** Sec. Taylor & Zappi (2004)

≡ *Pilosocereus salvadorensis* Werderm., Bras. Säulenakt.: 110. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus salvadorensis* (Werderm.) Borg, Cacti, ed. 1: 107. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus salvadorensis* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus salvadorensis* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Taylor & Zappi (2004)

= *Pilosocereus hapalacanthus* Werderm., Bras. Säulenakt.: 110. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus hapalacanthus* (Werderm.) Borg, Cacti, ed. 1: 107. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus hapalacanthus* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus hapalacanthus* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus catingicola* subsp. *hapalacanthus* (Werderm.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995

= *Pilosocereus rupicola* Werderm., Bras. Säulenakt.: 109. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus rupicola* (Werderm.) Borg, Cacti, ed. 1: 111. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus rupicola* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus rupicola* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Taylor & Zappi (2004)

= *Pilosocereus sergipensis* Werderm., Bras. Säulenakt.: 106. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus sergipensis* (Werderm.) Borg, Cacti, ed. 1: 108. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus sergipensis* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus sergipensis* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Taylor & Zappi (2004)

***Pilosocereus chrysacanthus* (F.A.C.Weber ex K.Schum.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Zappi (1994)

≡ *Pilosocereus chrysacanthus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 178. 1897 syn. sec. Hunt (2006) ≡ *Cereus chrysacanthus* (F.A.C.Weber ex K.Schum.) Orcutt in W. Amer. Sci. 13: 63. 1902 syn. sec. Kew WCV (2019) ≡ *Cephalocereus chrysacanthus* (F.A.C.Weber ex K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 416. 1909 syn. sec. Tropicos ≡ *Cephalophorus chrysacanthus* (F.A.C.Weber) Boom in Succulenta (Netherlands) 46: 107. 1967 syn. sec. Kew WCV (2019)

***Pilosocereus chrysostele* (Vaupel) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Taylor & Zappi (2004)

≡ *Cereus chrysostele* Vaupel in Z. Sukkulentenk. 1: 58. 1923 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus chrysostele* (Vaupel) Werderm., Bras. Säulenakt.: 102. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus chrysostele* (Vaupel) Borg, Cacti, ed. 1: 104. 1937 syn. sec. Kew WCV (2019) ≡ *Pseudopilocereus chrysostele* (Vaupel) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004)

***Pilosocereus chrysostele* subsp. *catimbauensis* N.P.Taylor & Albuquerque-Lima in Bradleya 38: 243. 2020.** Sec. Taylor & Albuquerque-Lima (2020)

Pilosocereus chrysostele* subsp. *chrysostele

***Pilosocereus collinsii* (Britton & Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Hunt (2006)

≡ *Cephalocereus collinsii* Britton & Rose, Cactaceae 4: 269–270, f. 242. 1923 syn. sec. Hunt (2006) ≡ *Pilosocereus collinsii* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 330. 1936 ["1935"] syn. sec. Zappi (1994)

***Pilosocereus colombianus* (Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957.** Sec. Franck & al. (2019)

- ≡ *Cephalocereus colombianus* Rose in Contr. U.S. Natl. Herb. 12(10): 416, t. 62–63. 1909 syn. sec. Franck & al. (2019) ≡ *Cereus colombianus* (Rose) Vaupel in Monatsschr. Kakteenk. 23: 23. 1913 syn. sec. Franck & al. (2019) ≡ *Pilocereus colombianus* (Rose) Backeb. in Möller's Deutsche Gärtner-Zeitung 45: 82. 1930 syn. sec. Franck & al. (2019) ≡ *Pilosocereus lanuginosus* subsp. *colombianus* (Rose) Guiggi in Cactology 2: 12. 2010 syn. sec. Franck & al. (2019)
- = *Cephalocereus tweedyanus* Britton & Rose, Cactaceae 2: 54. 1920 syn. sec. Franck & al. (2019) ≡ *Cereus tweedyanus* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 71. 1931 syn. sec. Franck & al. (2019) ≡ *Pilocereus tweedyanus* (Britton & Rose) Backeb., Kaktus-ABC: 334. 1936 ["1935"] syn. sec. Franck & al. (2019) ≡ *Pilosocereus tweedyanus* (Britton & Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Franck & al. (2019)
- = *Pilosocereus tuberculatus* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"] syn. sec. Franck & al. (2019)
- = *Pilocereus gironensis* Rauh & Backeb. syn. sec. Franck & al. (2019) ≡ *Pilosocereus gironensis* Rauh & Backeb. ex Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 69. 1957 syn. sec. Franck & al. (2019)

***Pilosocereus curtisii* (Otto) A.R.Franck in Phytotaxa 411: 161. 2019.** Sec. Franck & al. (2019)

- ≡ *Cereus curtisii* Otto in Allg. Gartenzeitung 1: 365. 1833 syn. sec. Franck & al. (2019) ≡ *Pilocereus curtisii* (Otto) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 24. 1850 syn. sec. Franck & al. (2019) ≡ *Cephalocereus nobilis* var. *curtisii* (Otto) Borg, Cacti, ed. 1: 105. 1937 syn. sec. Franck & al. (2019) ≡ *Pilosocereus polygonus* subsp. *curtisii* (Otto) Guiggi in Cactology 5 (Suppl. 8): 5. 2020 syn. sec. Franck (2021)
- = *Pilocereus urbanianus* K.Schum., Gesamtbeschr. Kakt.: 193. 1897 syn. sec. Franck & al. (2019) ≡ *Cereus urbanianus* (K.Schum.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 63. 1905 syn. sec. Franck & al. (2019) ≡ *Cephalocereus urbanianus* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 420. 1909 syn. sec. Franck & al. (2019) ≡ *Pilosocereus urbanianus* (K.Schum.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Franck & al. (2019)
- = *Cephalocereus barbadensis* Britton & Rose, Cactaceae 2: 44. 1920 syn. sec. Franck & al. (2019) ≡ *Cereus barbadensis* (Britton & Rose) A.Berger, Kakteen: 156, 337. 1929 syn. sec. Franck & al. (2019) ≡ *Pilocereus barbadensis* (Britton & Rose) A.Berger, Kakteen: 156. 1929 syn. sec. Franck & al. (2019) ≡ *Pilosocereus barbadensis* (Britton & Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957 syn. sec. Franck & al. (2019)

Notes. – The combination *Pilosocereus curtisii* incorrectly indicated the isonym published by Pfeiffer (1837) as the basionym, when the actual basionym was first published by Otto (1833). The combination remains valid, according to Art. 41.8a, Ex. 24. [Franck (2021)]

***Pilosocereus densiareolatus* F.Ritter, Kakteen Südamerika 1: 73. 1979.** Sec. Taylor & Zappi (2004)

- ≡ *Pseudopilocereus densiareolatus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus densiareolatus* subsp. *brunneolanatus* P.J.Braun & Esteves in Kakteen And. Sukk. 50: 286. 1999 syn. sec. Kew WCVP (2019)

***Pilosocereus diersianus* (Esteves) P.J.Braun in Bradleya 6: 88. 1988.** Sec. Zappi (1994)

- ≡ *Pseudopilocereus diersianus* Esteves in Kakteen And. Sukk. 32(4): 90. 1981 syn. sec. Hunt (2006)

***Pilosocereus flavipulvinatus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 2: 707. 1980.** Sec. Taylor & Zappi (2004)

- ≡ *Pseudopilocereus flavipulvinatus* Buining & Brederoo in Succulenta (Netherlands) 58(6): 137. 1979 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus carolinensis* F.Ritter, Kakteen Südamerika 1: 80. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus flavipulvinatus* var. *carolinensis* (F.Ritter) F.Ritter, Kakteen Südamerika 2: 707. 1980 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus carolinensis* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus flavipulvinatus* subsp. *carolinensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus carolinensis* var. *robustispinus* F.Ritter, Kakteen Südamerika 1: 81. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilocereus carolinensis* var. *robustispinus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Kew WCVP (2019) ≡ *Pilosocereus flavipulvinatus* var. *robustispinus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995 syn. sec. Kew WCVP (2019)

***Pilosocereus flexibilispinus* P.J.Braun & Esteves in Kakteen And. Sukk. 41: 88. 1990.** Sec. Zappi (1994)

- *Pilosocereus flexibilispinus* P.J.Braun & Esteves in Kakteen And. Sukk. 41(5): 88. 1990 syn. sec. TPL (2013) [is misspelling for *Pilosocereus flexibilispinus* P.J.Braun & Esteves]

***Pilosocereus floccosus* Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957.** Sec. Taylor & Zappi (2004)

- ≡ *Pilocereus floccosus* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 150. 1949, nom. illeg. syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus floccosus* Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004)
- = *Cereus barbatus* J.C.Wendl. ex Salm-Dyck, Cact. Hort. Dyck.: 29. 1841 syn. sec. Kew WCVP (2019)
- = *Pilocereus barbatus* Rebut ex Rümpler, Handb. Cacteenk., ed. 2: 650. 1885 syn. sec. Kew WCVP (2019)

Pilosocereus floccosus* subsp. *floccosus*.** Sec. Taylor & Zappi (2004)Pilosocereus floccosus* subsp. *quadricostatus* (F.Ritter) Zappi in Succ. Pl. Res. 3: 86. 1994.** Sec. Taylor & Zappi (2004)

- ≡ *Pilosocereus quadricostatus* F.Ritter, Kakteen Südamerika 1: 78. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus quadricostatus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)

***Pilosocereus fulvilanatus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 84. 1979.** Sec. Taylor & Zappi (2004)

- ≡ *Pseudopilocereus fulvilanatus* Buining & Brederoo in Kakteen And. Sukk. 24(7): 145. 1973 syn. sec. Taylor & Zappi (2004)

- = *Pilosocereus fulvilanatus* subsp. *vanheekianus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 55: 97. 2004 syn. sec. Kew WCVP (2019)
- Pilosocereus fulvilanatus* subsp. *fulvilanatus*.** Sec. Taylor & Zappi (2004)
- Pilosocereus fulvilanatus* subsp. *rosae* (P.J.Braun) Zappi in *Succ. Pl. Res.* 3: 100. 1994.** Sec. Taylor & Zappi (2004)
- ≡ *Pilosocereus rosae* P.J.Braun in *Kakteen And. Sukk.* 35(8): 181. 1984 syn. sec. Taylor & Zappi (2004)
- Pilosocereus gaumeri* (Britton & Rose) Backeb., *Cactaceae* 4: 2462–2463. 1960.** Sec. Franck & al. (2019)
- ≡ *Cephalocereus gaumeri* Britton & Rose, *Cactaceae* 2: 47. 1920 syn. sec. Franck & al. (2019) ≡ *Cereus gaumeri* (Britton & Rose) Standl. in *Publ. Field Mus. Nat. Hist., Bot. Ser.* 3: 366. 1930 syn. sec. Franck & al. (2019) ≡ *Pilocereus gaumeri* (Britton & Rose) F.M.Knuth, *Kaktus-ABC*: 330. 1936 ["1935"] syn. sec. Franck & al. (2019)
- Pilosocereus glaucochrous* (Werderm.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957.** Sec. Taylor & Zappi (2004)
- ≡ *Pilocereus glaucochrous* Werderm., *Bras. Säulenakt.*: 106. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus glaucochrous* (Werderm.) Borg, *Cacti*, ed. 1: 108. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus glaucochrous* (Werderm.) Buxb. in *Beitr. Biol. Pflanzen* 44: 252. 1968 syn. sec. Taylor & Zappi (2004)
- Pilosocereus jamaicensis* Proctor ex A.R.Franck & al. in *Phytotaxa* 411: 163. 2019.** Sec. Franck & al. (2019)
- Pilosocereus juaruensis* (Buining & Brederoo) P.J.Braun in *Kakteen And. Sukk.* 35: 181. 1984.** Sec. Hunt (2006)
- ≡ *Pseudopilocereus juaruensis* Buining & Brederoo in *Kakteen And. Sukk.* 29: 153-155. 1978 syn. sec. Hunt (2006)
- = *Pilosocereus paraguayensis* F.Ritter, *Kakteen Südamerika* 1: 249. 1979 syn. sec. Hunt (2016)
- = *Pilosocereus saudadensis* F.Ritter, *Kakteen Südamerika* 1: 82. 1979 syn. sec. Khan & al. (2018) ≡ *Pseudopilocereus saudadensis* (F.Ritter) P.V.Heath in *Calyx* 4: 141. 1994 syn. sec. Khan & al. (2018)
- = *Pilosocereus densivillosus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 45: 114. 1994 syn. sec. Khan & al. (2018)
- Pilosocereus juaruensis* subsp. *cinnopetalus* P.J.Braun, Esteves & R.Esteves Pereira in *Kakteen And. Sukk.* 71(3): 75. 2020.** Sec. Braun & al. (2020)
- Pilosocereus juaruensis* subsp. *juaruensis***
- Pilosocereus kanukuensis* (Alexander) Leuenb. in *Willdenowia* 16: 506. 1987.** Sec. Hunt (2006)
- ≡ *Cephalocereus kanukuensis* Alexander in *Lloydia* 2: 200. 1939 syn. sec. Hunt (2006) ≡ *Pilosocereus oligolepis* subsp. *kanukuensis* (Alexander) P.J.Braun & Esteves in *Succulenta (Netherlands)* 74: 134. 1995
- Pilosocereus lanuginosus* (L.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957.** Sec. Hunt (2006)
- ≡ *Cactus lanuginosus* L., *Sp. Pl.*: 467. 1753 syn. sec. Hunt (2006) ≡ *Cereus lanuginosus* (L.) Mill., *Gard. Dict.*, ed. 8: *Cereus* No. 3. 1768 syn. sec. Hunt (2006) ≡ *Cereus lanuginosus* (L.) Haw., *Syn. Pl. Succ.*: 182. 1812, nom. illeg. syn. sec. Tropicos ≡ *Pilocereus lanuginosus* (L.) Rümpler, *Handb. Cacteenk.*, ed. 2: 672. 1886 syn. sec. Hunt (2006) ≡ *Cephalocereus lanuginosus* (L.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 417. 1909 syn. sec. Tropicos
- = *Cereus royenii* Haw., *Syn. Pl. Succ.*: 182. 1812, nom. illeg. syn. sec. Franck (2021)
- = *Cereus pfeifferi* Parm. ex Pfeiff. in *Allg. Gartenzeitung* 5: 370. 1837 syn. sec. Britton & Rose (1920)
- = *Pilocereus coerulescens* Lem. in *Rev. Hort.* 34: 427. 1862 syn. sec. Hunt (2006) ≡ *Pilosocereus coerulescens* (Lem.) F.Ritter, *Kakteen Südamerika* 1: 75. 1979 syn. sec. Hunt (2006)
- = *Pilocereus consolei* Lem. in *Rev. Hort.* 1862: 427. 1862 syn. sec. Kew WCVP (2019)
- = *Pilocereus lanuginosus* var. *virens* Rümpler, *Handb. Cacteenk.*, ed. 2: 672. 1885 syn. sec. Kew WCVP (2019)
- = *Pilocereus swartzii* K.Schum., *Gesamtbeschr. Kakt.*: 184. 1897 syn. sec. Kew WCVP (2019)
- = *Pilosocereus panchesiorum* Xhonneux in *Cact.-Avent. Int.* 92: 13. 2011 syn. sec. Kew WCVP (2019)
- Pilosocereus leucocephalus* (Poselg.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957.** Sec. Zappi (1994)
- ≡ *Pilocereus leucocephalus* Poselg. in *Allg. Gartenzeitung* 21(12): 126. 1853 syn. sec. Zappi (1994) ≡ *Cephalocereus leucocephalus* (Poselg.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 417. 1909 syn. sec. Zappi (1994)
- = *Cereus cometes* Scheidw. in *Allg. Gartenzeitung* 8: 339. 1840 syn. sec. Zappi (1994) ≡ *Pilocereus cometes* (Scheidw.) Mittler ex C.F.Först., *Handb. Cacteenk.*: 357. 1846 syn. sec. Kew WCVP (2019) ≡ *Cephalocereus cometes* (Scheidw.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 416. 1909 syn. sec. Zappi (1994) ≡ *Pilosocereus cometes* (Scheidw.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 66. 1957 syn. sec. Zappi (1994)
- = *Cereus jubatus* Salm-Dyck ex C.F.Först., *Handb. Cacteenk.*: 357. 1846 syn. sec. Kew WCVP (2019)
- = *Pilocereus jubatus* Salm-Dyck in Förster, *Handb. Cacteenk.*: 356. 1846 syn. sec. Kew WCVP (2019)
- = *Cereus flavicomus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 202. 1850 syn. sec. Kew WCVP (2019) ≡ *Pilocereus flavicomus* Salm-Dyck ex Rümpler, *Handb. Cacteenk.*, ed. 2: 658. 1885 syn. sec. Kew WCVP (2019)
- = *Pilocereus foersteri* Lem. in *Ill. Hort.* 13(Misc.): 472. 1866 syn. sec. Gürke (1910)
- = *Pilocereus marschalleckianus* var. *picta* Zeiss. in *Monatsschr. Kakteenk.* 8: 35. 1898 syn. sec. Kew WCVP (2019)
- = *Cereus houletii* Lem. in *Gard. Chron.*, ser 3 32: 252. 1902 syn. sec. Kew WCVP (2019) ≡ *Cereus houletii* (Lem.) A.Berger in *Rep. (Annual) Missouri Bot. Gard.* 16: 70. 1905 syn. sec. Kew WCVP (2019)
- = *Cephalocereus maxonii* Rose in *Contr. U.S. Natl. Herb.* 12: 417. 1909 syn. sec. Zappi (1994) ≡ *Cereus maxonii* (Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 23. 1913 syn. sec. Kew WCVP (2019) ≡ *Pilocereus maxonii* (Rose) A.Berger, *Kakteen*: 157. 1929 syn. sec. Zappi (1994) ≡ *Pilocereus maxonii* (Rose) F.M.Knuth, *Kaktus-ABC*: 232. 1936 ["1935"] syn. sec. Korotkova (2021) ≡ *Pilosocereus maxonii* (Rose) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19: 67. 1957 syn. sec. Zappi (1994)

- = *Cephalocereus palmeri* Rose in Contr. U.S. Natl. Herb. 12: 418. 1909 syn. sec. Zappi (1994) ≡ *Pilocereus palmeri* (Rose) F.M.Knuth, Kaktus-ABC: 323. 1936 ["1935"] syn. sec. Zappi (1994) ≡ *Pilosocereus palmeri* (Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Zappi (1994) ≡ *Cephalophorus palmeri* (Rose) Boom in Succulenta (Netherlands) 46: 107. 1967 syn. sec. Kew WCVP (2019) ≡ *Pilosocereus leucocephalus* subsp. *palmeri* (Rose) Scheinvar, Fl. Cactol. Est. Querétaro: 192, 191. 2004 syn. sec. Kew WCVP (2019)
- = *Cephalocereus sartorianus* Rose in Contr. U.S. Natl. Herb. 12: 419. 1909 ≡ *Cereus sartorianus* (Rose) Kupper ex A. Berger, Kakteen: 157. 1929 ≡ *Pilocereus sartorianus* (Rose) A. Berger, Kakteen: 157, 419. 1929 ≡ *Pilosocereus sartorianus* (Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Hunt (2016) ≡ *Cephalocereus palmeri* var. *sartorianus* (Rose) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 41. 1967 ≡ *Pilosocereus palmeri* var. *sartorianus* (Rose) Lodé, Fichier Encycl. Cact. Autres Succ. 19: 1776. 1997 syn. sec. Kew WCVP (2019)
- = *Cephalocereus leucocephalus* var. *actopanensis* Rol.-Goss. ex Bois in Bull. Mus. Natl. Hist. Nat. 32: 403. 1926 syn. sec. Kew WCVP (2019)
- = *Pilocereus tehuacanus* Weing. in Z. Sukkulentenk. 3: 58. 1927 syn. sec. Zappi (1994) ≡ *Cereus tehuacanus* (Weing.) Werderm. in Backeberg, Neue Kakteen: 71. 1931 syn. sec. Zappi (1994) ≡ *Cephalocereus tehuacanus* (Weing.) Borg, Cacti, ed. 2: 150. 1951 syn. sec. Zappi (1994) ≡ *Pilosocereus tehuacanus* (Weing.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 69. 1957 syn. sec. Zappi (1994)
- = *Cephalocereus leucocephalus* f. *cristatus* P.V.Heath in Calyx 2: 110. 1992 syn. sec. Kew WCVP (2019)
- = *Cephalocereus palmeri* f. *cristatus* P.V.Heath in Calyx 2: 110. 1992 syn. sec. Kew WCVP (2019)
- = *Cereus victoriensis* Vaupel in Monatsschr. Kakteenk. 23: 24. 1913 syn. sec. Kew WCVP (2019) – *Pilosocereus palmeri* var. *victoriensis* (Vaupel) Backeb., Kakteenlex.: 367. 1966, nom. inval. syn. sec. Zappi (1994)
- *Cereus foersteri* Sencke, Cat. 1861, nom. nud. syn. sec. Gürke (1910)
- Pilosocereus machrisii* (E.Y.Dawson) Backeb., Cactaceae 4: 2419. 1960.** Sec. Taylor & Zappi (2004)
- ≡ *Cephalocereus machrisii* E.Y.Dawson in Los Angeles County Mus. Contr. Sci. 10: 1, pl. 1–3. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus machrisii* (E.Y.Dawson) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus machrisii* (E.Y.Dawson) Buining & Brederoo in Succulenta (Netherlands) 56: 90. 1977 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus cristalinensis* P.J.Braun & Esteves in Kakteen And. Sukk. 38: 132. 1987 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus machrisii* subsp. *cristalinensis* (P.J.Braun & Esteves) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"]
- = *Pilosocereus lindaianus* P.J.Braun & Esteves in Kakteen And. Sukk. 38: 132. 1987 syn. sec. Kew WCVP (2019) ≡ *Pilosocereus lindanus* P.J.Braun & Esteves in Kakteen And. Sukk. 38: 132. 1987 syn. sec. Taylor & Zappi (2004)
- = ?*Pilosocereus estevesii* P.J.Braun in Cact. Succ. J. (Los Angeles) 71: 74. 1999 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus goianus* P.J.Braun & Esteves in Brit. Cact. Succ. J. 20: 100. 2002 syn. sec. Taylor & Zappi (2004)
- = *Pseudopilocereus cuyabensis* (Backeb.) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Tropicos – *Pilocereus cuyabensis* (Backeb.) Borg, Cacti, ed. 2: 148. 1951, nom. inval. syn. sec. Taylor & Zappi (2004) – *Pilosocereus cuyabensis* (Backeb.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957, nom. inval. syn. sec. Taylor & Zappi (2004)
- Pilosocereus magnificus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 72. 1979.** Sec. Taylor & Zappi (2004)
- ≡ *Pseudopilocereus magnificus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 44(2): 66. 1972 syn. sec. Taylor & Zappi (2004)
- Pilosocereus millspaughii* (Britton) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957.** Sec. Franck & al. (2019)
- ≡ *Cephalocereus millspaughii* Britton in Contr. U.S. Natl. Herb. 12: 417. 1909 syn. sec. Franck & al. (2019) ≡ *Cereus millspaughii* (Britton) Vaupel in Monatsschr. Kakteenk. 23: 23. 1913 syn. sec. Franck & al. (2019) ≡ *Pilocereus millspaughii* (Britton) F.M.Knuth, Kaktus-ABC: 332. 1936 ["1935"] syn. sec. Franck & al. (2019)
- Pilosocereus mollispinus* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 76: 77. 2004.** Sec. Hunt (2006)
- Pilosocereus moritzianus* (Otto) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 67. 1957.** Sec. Franck & al. (2019)
- ≡ *Cereus moritzianus* Otto in Pfeiffer, Enum. Diagn. Cact.: 84. 1837 syn. sec. Franck & al. (2019) ≡ *Pilocereus moritzianus* (Otto) Lem., Cactées: 63. 1868 syn. sec. Franck & al. (2019) ≡ *Cephalocereus moritzianus* (Otto) Britton & Rose, Cactaceae 2: 41. 1920 syn. sec. Franck & al. (2019) ≡ *Pilosocereus lanuginosus* subsp. *moritzianus* (Otto) Guiggi in Cactology 2: 12. 2010 syn. sec. Franck & al. (2019)
- = *Cereus backebergii* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 2: 167. 1930 syn. sec. Franck & al. (2019) ≡ *Pilocereus backebergii* Weing. in Möller's Deutsche Gärtn.-Zeitung 45: 81. 1930 syn. sec. Franck & al. (2019) ≡ *Cephalocereus backebergii* (Weing.) Borg, Cacti, ed. 2: 149. 1951 syn. sec. Franck & al. (2019) ≡ *Pilosocereus backebergii* (Weing.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 66. 1957 syn. sec. Franck & al. (2019)
- = *Cereus claroviridis* Backeb., Neue Kakteen: 69. 1931 syn. sec. Franck & al. (2019) ≡ *Pilocereus claroviridis* (Backeb.) Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930 syn. sec. Franck & al. (2019) ≡ *Cephalocereus claroviridis* (Backeb.) Borg, Cacti, ed. 2: 149. 1951 syn. sec. Franck & al. (2019) ≡ *Pilosocereus claroviridis* (Backeb.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 66. 1957 syn. sec. Franck & al. (2019)
- Pilosocereus multicostatus* F.Ritter, Kakteen Südamerika 1: 79. 1979.** Sec. Taylor & Zappi (2004)
- ≡ *Pseudopilocereus multicostatus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)

***Pilosocereus oligolepis* (Vaupel) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957.** Sec. Zappi (1994)

≡ *Cereus oligolepis* Vaupel in Notizbl. Bot. Gart. Berlin-Dahlem 5: 285. 1913 syn. sec. Hunt (2006) ≡ *Pilosocereus oligolepis* (Vaupel) Werderm., Bras. Säulenakt.: 105. 1933 syn. sec. Zappi (1994) ≡ *Cephalocereus oligolepis* (Vaupel) Borg, Cacti, ed. 1: 111. 1937 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus oligolepis* (Vaupel) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Zappi (1994)

***Pilosocereus pachycladus* F.Ritter, Kakteen Südamerika 1: 70. 1979.** Sec. Taylor & Zappi (2004)

≡ *Pseudopilosocereus pachycladus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus glaucescens* Labour., Monogr. Cact.: 279. 1853 syn. sec. Hunt (2016) ≡ *Cephalocereus glaucescens* (Labour.) Borg, Cacti, ed. 1: 108. 1937 syn. sec. Hunt (2016) ≡ *Pilosocereus glaucescens* (Labour.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Hunt (2016) ≡ *Pseudopilosocereus glaucescens* (Labour.) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004)
 = *Pseudopilosocereus azureus* Buining & Brederoo in Kakteen And. Sukk. 26: 241. 1975 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus atrovilavispinus* F.Ritter, Kakteen Südamerika 1: 68. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus atrovilavispinus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus azureus* F.Ritter, Kakteen Südamerika 1: 73. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus azureus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus oreus* F.Ritter, Kakteen Südamerika 1: 69. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus oreus* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus superbus* F.Ritter, Kakteen Südamerika 1: 67. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus superbus* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus superbus* var. *gacapaensis* F.Ritter, Kakteen Südamerika 1: 68. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus superbus* var. *gacapaensis* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Kew WCVP (2019)
 = *Pilosocereus superbus* var. *lanosior* F.Ritter, Kakteen Südamerika 1: 68. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus superbus* var. *lanosior* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Kew WCVP (2019)
 = *Pilosocereus superbus* var. *regius* F.Ritter, Kakteen Südamerika 1: 67. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus superbus* var. *regius* (F.Ritter) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Kew WCVP (2019)
 = *Pilosocereus schoebelii* P.J.Braun in Cact. Succ. J. (Los Angeles) 59: 150. 1987 syn. sec. Taylor & Zappi (2004)

***Pilosocereus pachycladus* subsp. *pachycladus*.** Sec. Taylor & Zappi (2004)

= *Pilosocereus cyaneus* F.Ritter, Kakteen Südamerika 4: 1516. 1981 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus cenepequei* Rizzini & A.Mattos in Revista Brasil. Biol. 46: 324. 1986 syn. sec. Taylor & Zappi (2004)

***Pilosocereus pachycladus* subsp. *pernambucoensis* (F.Ritter) Zappi in Succ. Pl. Res. 3: 109. 1994.** Sec. Taylor & Zappi (2004)

≡ *Pilosocereus pernambucoensis* F.Ritter, Kakteen Südamerika 1: 65. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus pernambucoensis* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Taylor & Zappi (2004)
 = *Pilosocereus pernambucoensis* var. *caesius* F.Ritter, Kakteen Südamerika 1: 66. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus pernambucoensis* var. *caesius* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Kew WCVP (2019)
 = *Pilosocereus pernambucoensis* var. *montealtoi* F.Ritter, Kakteen Südamerika 1: 66. 1979 syn. sec. Kew WCVP (2019) ≡ *Pseudopilosocereus pernambucoensis* var. *montealtoi* (F.Ritter) P.V.Heath in Calyx 4: 140. 1994 syn. sec. Kew WCVP (2019)

***Pilosocereus pachycladus* subsp. *viridis* N.P.Taylor & Albuquerque-Lima in Bradleya 38: 242. 2020.** Sec. Taylor & Albuquerque-Lima (2020)

≡ *Pilosocereus pernambucoensis* subsp. *viridis* (N.P.Taylor & Albuquerque-Lima) Guiggi in Cactology 5 (Suppl. 8): 4. 2020 syn. sec. Korotkova (2021)

***Pilosocereus parvus* (Diers & Esteves) P.J.Braun in Bradleya 6: 88. 1988.** Sec. Hunt (2006)

≡ *Pseudopilosocereus parvus* Diers & Esteves in Kakteen And. Sukk. 33: 104, f. 1982 syn. sec. Hunt (2006)

***Pilosocereus pentaedrophorus* (Labour.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957.** Sec. Taylor & Zappi (2004)

≡ *Cereus pentaedrophorus* Labour., Monogr. Cact.: 365. 1853 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus pentaedrophorus* (Labour.) Console ex Rümpler, Handb. Cacteenk., ed. 2: 679. 1885 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus pentaedrophorus* (Labour.) Britton & Rose, Cactaceae 2: 31. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus pentaedrophorus* (Labour.) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus pentaedrophorus* subsp. *pentaedrophorus* syn. sec. Taylor & Zappi (2004)
 = *Cereus pentagonus* var. *glaucus* C.Morel ex Labour., Monogr. Cactaceae: 365. 1853 syn. sec. Britton & Rose (1920)
 = *Cereus pentalophorus* Labour., Monogr. Cactaceae: 365. 1853 syn. sec. Britton & Rose (1920)
 = *Pilosocereus polyedrophorus* Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Britton & Rose (1920)

***Pilosocereus piauhyensis* (Gürke) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957.** Sec. Taylor & Zappi (2004)

≡ *Cereus piauhyensis* Gürke in Monatschr. Kakteenk. 18: 84. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus piauhyensis* (Gürke) Britton & Rose, Cactaceae 2: 49. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus piauhyensis* (Gürke) Werderm., Bras. Säulenakt.: 111. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilosocereus piauhyensis* (Gürke) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Taylor & Zappi (2004)

- = *Pseudopilocereus mucosiflorus* Buining & Brederoo in *Kakteen And. Sukk.* 28: 203. 1977 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus mucosiflorus* (Buining & Brederoo) F.Ritter, *Kakteen Südamerika* 1: 84. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus piauihyensis* subsp. *mucosiflorus* (Buining & Brederoo) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 134. 1995 syn. sec. Taylor & Zappi (2004)
- = *Pilosocereus gaturianensis* F.Ritter, *Kakteen Südamerika* 1: 81. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus gaturianensis* (F.Ritter) P.V.Heath in *Calyx* 4: 140. 1994 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus piauihyensis* subsp. *gaturianensis* (F.Ritter) P.J.Braun & Esteves in *Succulenta* (Netherlands) 74: 134. 1995 syn. sec. Kew WCVP (2019)
- = *Pilosocereus chrysoatele* subsp. *cearensis* P.J.Braun & Esteves in *Brit. Cact. Succ. J.* 17: 26. 1999 syn. sec. Hunt (2016)
- Pilosocereus polygonus* (Lam.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957. Sec. Franck & al. (2019)**
- ≡ *Cactus polygonus* Lam., *Encycl.* 1(1): 539. 1783 syn. sec. Franck & al. (2019) ≡ *Cereus polygonus* (Lam.) DC., *Prodr.* 3: 466. 1828 ≡ *Pilocereus polygonus* (Lam.) K.Schum., *Gesamtbeschr. Kakt.*: 196. 1897 syn. sec. Korotkova (2021) ≡ *Cephalocereus polygonus* (Lam.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 418. 1909 syn. sec. Tropicos
- = *Pilocereus plumieri* Lem. in *Rev. Hort.* 1862: 427. 1862, nom. illeg. syn. sec. Franck & al. (2019)
- = *Pilocereus schlumbergeri* F.A.C.Weber ex K.Schum., *Gesamtbeschr. Kakt.*: 186. 1897 syn. sec. Franck & al. (2019) ≡ *Cephalocereus schlumbergeri* (F.A.C.Weber ex K.Schum.) Urb., *Symb. Antill.* 8: 464. 1920 syn. sec. Franck & al. (2019)
- Pilosocereus purpusii* (Britton & Rose) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957. Sec. Zappi (1994)**
- ≡ *Cephalocereus purpusii* Britton & Rose, *Cactaceae* 2: 56. 1920 syn. sec. Zappi (1994) ≡ *Pilocereus purpusii* (Britton & Rose) F.M.Knuth, *Kaktus-ABC*: 33. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- Pilosocereus pusillibaccatus* P.J.Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 58: 240. 1986. Sec. Hunt (2006)**
- Pilosocereus quadricentralis* (E.Y.Dawson) Backeb., *Cactaceae* 4: 2437. 1960. Sec. Zappi (1994)**
- ≡ *Cephalocereus quadricentralis* E.Y.Dawson in *Allan Hancock Found. Publ. Occas. Pap.* 1: 14, t. 3, f. 5. 1948 syn. sec. Zappi (1994)
- Pilosocereus robinii* (Lem.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957. Sec. Franck & al. (2019)**
- ≡ *Pilocereus robinii* Lem. in *Ill. Hort.* 2: 74. 1864 syn. sec. Franck & al. (2019) ≡ *Cephalocereus robinii* (Lem.) Britton & Rose, *Cactaceae* 2: 39. 1920 syn. sec. Franck & al. (2019) ≡ *Cereus robinii* (Lem.) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 126. 1969 syn. sec. Franck & al. (2019)
- = *Cephalocereus bahamensis* Britton in *Contr. U.S. Natl. Herb.* 12: 415. 1909 syn. sec. Franck & al. (2019) ≡ *Cereus bahamensis* (Britton) Vaupel in *Monatsschr. Kakteenk.* 23: 23. 1913 syn. sec. Franck & al. (2019) ≡ *Pilocereus bahamensis* (Britton) F.M.Knuth, *Kaktus-ABC*: 329. 1936 ["1935"] syn. sec. Franck & al. (2019) ≡ *Pilosocereus bahamensis* (Britton) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 66. 1957 syn. sec. Franck & al. (2019)
- = *Cephalocereus bakeri* Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 415. 1909 syn. sec. Franck & al. (2019) ≡ *Cereus bakeri* (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 23. 1913 syn. sec. Franck & al. (2019)
- = *Cephalocereus keyensis* Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 416. 1909 syn. sec. Franck & al. (2019) ≡ *Cereus keyensis* (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 23. 1913 syn. sec. Franck & al. (2019) ≡ *Pilocereus keyensis* (Britton & Rose) F.M.Knuth, *Kaktus-ABC*: 331. 1936 ["1935"] syn. sec. Franck & al. (2019) ≡ *Pilosocereus keyensis* (Britton & Rose) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957 syn. sec. Franck & al. (2019) ≡ *Cephalocereus robinii* var. *keyensis* (Britton & Rose) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: ?. 1969 syn. sec. Franck & al. (2019) – *Cereus robinii* var. *keyensis* (Britton & Rose) L.D.Benson syn. sec. Franck & al. (2019) [is misspelling for *Cephalocereus robinii* var. *keyensis* (Britton & Rose) L.D.Benson]
- = *Cephalocereus deeringii* Small in *J. New York Bot. Gard.* 18: 201. 1917 syn. sec. Franck & al. (2019) ≡ *Pilocereus deeringii* (Small) F.M.Knuth, *Kaktus-ABC*: 330. 1936 ["1935"] syn. sec. Franck & al. (2019) ≡ *Pilosocereus deeringii* (Small) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 66. 1957 syn. sec. Franck & al. (2019) ≡ *Cereus robinii* var. *deeringii* (Small) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41: 126. 1969 syn. sec. Franck & al. (2019) ≡ *Pilosocereus robinii* var. *deeringii* (Small) Kartesz & Gandhi in *Phytologia* 71(4): 276. 1991 syn. sec. Franck & al. (2019)
- Pilosocereus splendidus* F.Ritter, *Kakteen Südamerika* 1: 69. 1979. Sec. Hunt (2006)**
- ≡ *Pseudopilocereus splendidus* (F.Ritter) P.V.Heath in *Calyx* 4: 141. 1994 syn. sec. Taylor & Zappi (2004)
- Pilosocereus* ×*subsimilis* Rizzini & A.Mattos in *Revista Brasil. Biol.* 46: 327. 1986. Sec. Zappi (1994)**
- Pilosocereus tillianus* R.Gruber & Schatzl in *Kakteen And. Sukk.* 33: 164. 1982. Sec. Franck & al. (2019)**
- ≡ *Pilosocereus lanuginosus* subsp. *tillianus* (R.Gruber & Schatzl) Guiggi in *Cactology* 2: 13. 2010 syn. sec. Franck & al. (2019)
- Pilosocereus ulei* (K.Schum.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 69. 1957. Sec. Zappi (1994)**
- ≡ *Pilocereus ulei* K.Schum., *Gesamtbeschr. Kakt., Nachtr.* 1: 64. 1903 syn. sec. Zappi (1994) ≡ *Cereus ulei* (K.Schum.) A.Berger in *Rep. (Annual) Missouri Bot. Gard.* 16: 70. 1905 syn. sec. Zappi (1994) ≡ *Pseudopilocereus ulei* (K.Schum.) Buxb. in *Beitr. Biol. Pflanzen* 44: 253. 1968 syn. sec. Zappi (1994)
- Pilosocereus vilaboensis* (Diers & Esteves) P.J.Braun in *Bradleya* 6: 88. 1988. Sec. Taylor & al. (2019)**
- ≡ *Pseudopilocereus vilaboensis* Diers & Esteves in *Kakteen And. Sukk.* 34(5): 110. 1983 syn. sec. Taylor & al. (2019)
- Pilosocereus vilaboensis* subsp. *pluricostatus* N.P.Taylor, Zappi & P.O.Rosa in *Bradleya* 37: 16. 2019. Sec. Taylor & al. (2019)**
- Pilosocereus vilaboensis* subsp. *rizzoanus* (P.J.Braun & Esteves) N.P.Taylor & Zappi in *Bradleya* 37: 16. 2019. Sec. Taylor & al. (2019)**
- ≡ *Pilosocereus rizzoianus* P.J.Braun & Esteves in *Cact. Succ. J. (Los Angeles)* 64: 148. 1992 syn. sec. Taylor & al. (2019)

***Pilosocereus vilaboensis* subsp. *vilaboensis*.** Sec. Taylor & al. (2019)

***Pilosocereus zappiae* Lavor & Calvente in *PlantNow* 1(2): 64. 2020.** Sec. Lavor & al. (2020)

= *Pilosocereus pentaedrophorus* subsp. *robustus* Zappi in Succ. Pl. Res. 3: 74. 1994 syn. sec. Lavor & al. (2020)

***Polaskia* Backeb. in *Blätt. Sukkulantenk.* 1: 4. 1949.** Sec. Hunt (2006)

Type: *Polaskia chichipe* (Rol.-Goss.) Backeb.

≡ *Chichipia* Backeb. in Cact. Succ. J. Gr. Brit. 12. 1950, nom. illeg. syn. sec. Hunt (2006). Type: *Cereus chichipe* Rol.-Goss.

= *Heliabravoa* Backeb. in Cact. Succ. J. Gr. Brit. 18: 23. 1956 syn. sec. Hunt (2006). Type: *Heliabravoa chende* (Rol.-Goss.) Backeb.

***Polaskia chende* (Rol.-Goss.) A.C.Gibson & K.E.Horak in *Ann. Missouri Bot. Gard.* 65(4): 1006. 1978.** Sec. Hunt (2006)

≡ *Cereus chende* Rol.-Goss. in Bull. Mus. Hist. Nat. (Paris) 11(6): 506. 1905 syn. sec. Hunt (2006) ≡ *Lemaireocereus chende* (Rol.-Goss.) Britton & Rose, Cactaceae 2: 90–91, f. 133. 1920 syn. sec. Tropicos ≡ *Heliabravoa chende* (Rol.-Goss.) Backeb. in Cact. Succ. J. Gr. Brit. 18: 23. 1956 syn. sec. Kew WCVP (2019) ≡ *Myrtillocactus chende* (Rol.-Goss.) P.V.Heath in Calyx 2(3): 105. 1992 syn. sec. Kew WCVP (2019)

= *Myrtillocactus chende* f. *cristatus* P.V.Heath in Calyx 2: 105. 1992 syn. sec. Kew WCVP (2019)

***Polaskia chichipe* (Rol.-Goss.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 121. 1951.** Sec. Hunt (2006)

≡ *Cereus chichipe* Rol.-Goss. in Bull. Mus. Hist. Nat. (Paris) 11(6): 507. 1905 syn. sec. Hunt (2006) ≡ *Lemaireocereus chichipe* (Rol.-Goss.) Britton & Rose, Cactaceae 2: 89–90. 1920 syn. sec. Korotkova (2021) ≡ *Myrtillocactus chichipe* (Rol.-Goss.) P.V.Heath in Calyx 2: 105. 1992 syn. sec. Kew WCVP (2019)

= *Cereus mixtecensis* J.A.Purpus in Monatsschr. Kakteenk. 19: 52. 1909 syn. sec. Tropicos ≡ *Lemaireocereus mixtecensis* (J.A.Purpus) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 425. 1909 syn. sec. Korotkova (2021)

– *Myrtillocactus chichipe* (Gosselin) P.V.Heath in Calyx 2(3): 105. 1992 syn. sec. TPL (2013) [is misspelling for *Myrtillocactus chichipe* (Rol.-Goss.) P.V.Heath]

***Praecereus* Buxb. in *Beitr. Biol. Pflanzen* 44: 273. 1968.** Sec. Franco & al. (2017)

Type: *Praecereus smithianus* (Britton & Rose) Buxb.

= *Monvillea* Britton & Rose, Cactaceae 2: 21. 1920 syn. sec. Arias (2021). Type: *Monvillea cavendishii* (Monv.) Britton & Rose Notes. – *Praecereus* was found monophyletic, but at the same time nested in *Cereus* by Franco & al. 2017 based on plastid *trnS-trnG*. However, the authors of that study did not make any statement as to whether *Praecereus* should be merged in *Cereus*, therefore *Praecereus* is still accepted here. See also note under *Cereus*. [Korotkova & al. (2021)]

***Praecereus euchlorus* (F.A.C.Weber ex K.Schum.) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997.** Sec. Hunt (2006)

≡ *Cereus euchlorus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 84. 1897 syn. sec. Hunt (2006) ≡ *Monvillea euchlora* (F.A.C.Weber ex K.Schum.) Backeb., Cactaceae 4: 2301. 1960 syn. sec. Kew WCVP (2019)

= *Cereus lauterbachii* K.Schum. ex Chodat & Hassl. in Bull. Herb. Boissier, sér. 2, 3: 250. 1903 syn. sec. Kew WCVP (2019) ≡ *Monvillea lauterbachii* (K.Schum.) Borg, Cacti, ed. 1: 99. 1937 syn. sec. Kew WCVP (2019)

= *Monvillea piedadensis* F.Ritter, Kakteen Südamerika 1: 114. 1979 syn. sec. Kew WCVP (2019) ≡ *Cereus campinensis* var. *piedadensis* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Tropicos

= *Monvillea leucantha* F.Ritter, Kakteen Südamerika 2: 511. 1980 syn. sec. Kew WCVP (2019) ≡ *Cereus euchlorus* subsp. *leucanthus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Tropicos

***Praecereus euchlorus* subsp. *amazonicus* (K.Schum. ex Vaupel) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997.** Sec. Hunt (2006)

≡ *Cereus amazonicus* K.Schum. ex Vaupel in Notizbl. Bot. Gart. Berlin-Dahlem 5(50): 283–284. 1913 syn. sec. Hunt (2006) ≡ *Praecereus amazonicus* (K.Schum.) Buxb. in Beitr. Biol. Pflanzen 44: 276. 1968 syn. sec. Hunt (2006) ≡ *Cereus amazonicus* K.Schum. in Monatsschr. Kakteenk. 23: 164. 1913 syn. sec. Kew WCVP (2019) ≡ *Monvillea amazonica* (K.Schum.) Britton & Rose, Cactaceae 2: 24. 1920 syn. sec. Kew WCVP (2019)

= *Monvillea ballivianii* Cárdenas in Cactus (Paris) 64: 159. 1959 syn. sec. Kew WCVP (2019) ≡ *Cereus ballivianii* (Cárdenas) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Kew WCVP (2019)

= *Monvillea apoloensis* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 74, f. 30, 31. 1961 syn. sec. Hunt (2006) ≡ *Praecereus apoloensis* (Cárdenas) Buxb. in Beitr. Biol. Pflanzen 44: 275. 1968 syn. sec. Hunt (2006) ≡ *Cereus apoloensis* (Cárdenas) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Hunt (2006)

***Praecereus euchlorus* subsp. *diffusus* (Britton & Rose) N.P.Taylor in *Cactaceae Consensus Init.* 3: 10. 1997.** Sec. Hunt (2006)

≡ *Monvillea diffusa* Britton & Rose, Cactaceae 2: 24, f. 23. 1920 syn. sec. Hunt (2006) ≡ *Cereus diffusus* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 69. 1931 syn. sec. Hunt (2006) ≡ *Praecereus diffusus* (Britton & Rose) N.P.Taylor syn. sec. Hunt (2006)

= *Monvillea maritima* Britton & Rose, Cactaceae 2: 24. 1920 syn. sec. WFO 2019 ≡ *Praecereus maritimus* (Britton & Rose) Buxb. in Beitr. Biol. Pflanzen 44: 276. 1968 syn. sec. Hunt (2006)

= *Cereus brittonianus* Werderm. in Backeberg, Neue Kakteen: 68. 1931 syn. sec. Kew WCVP (2019) ≡ *Monvillea brittoniana* (Werderm.) Borg, Cacti, ed. 2: 131. 1951 syn. sec. Hunt (2006)

= *Monvillea maritima* var. *spiniosior* Backeb. in Sukkulantenkunde 2: 54. 1948 syn. sec. Kew WCVP (2019)

= *Monvillea pugionifera* F.Ritter, Kakteen Südamerika 4: 1305. 1981 syn. sec. Hunt (2006)

***Praecereus euchlorus* subsp. *euchlorus*. Sec. Hunt (2006)**

- = *Pilocereus campinensis* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 162. 1949 syn. sec. Hunt (2006) ≡ *Monvillea campinensis* (Backeb. & Voll) Backeb., Cactaceae 4: 2313. 1960 syn. sec. Hunt (2006) ≡ *Praecereus campinensis* (Backeb. & Voll) Buxb. in Beitr. Biol. Pflanzen 44: 276. 1968 syn. sec. Hunt (2006) ≡ *Cereus campinensis* (Backeb. & Voll) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Hunt (2006)
- = *Monvillea alticostata* F.Ritter, Kakteen Südamerika 1: 251. 1979 syn. sec. Hunt (2016) ≡ *Cereus alticostatus* (F.Ritter) P.J.Braun in Bradleya 6: 86. 1988 syn. sec. Hunt (2006) ≡ *Cereus euchlorus* subsp. *alticostatus* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Hunt (2006)

***Praecereus euchlorus* subsp. *jaenensis* (Rauh & Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 9. 1998. Sec. Hunt (2006)**

- ≡ *Monvillea jaenensis* Rauh & Backeb., Descr. Cact. Nov. 1: 33. 1957 ["1956"] syn. sec. Hunt (2006) ≡ *Praecereus jaenensis* (Rauh & Backeb.) Buxb. in Beitr. Biol. Pflanzen 44: 276. 1968 syn. sec. Hunt (2006)
- = *Monvillea jaenensis* var. *paucispina* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 507. 1958 syn. sec. Korotkova (2021)
- = *Monvillea pucarensis* F.Ritter syn. sec. WFO 2019

***Praecereus euchlorus* subsp. *smithianus* (Britton & Rose) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997. Sec. Hunt (2006)**

- ≡ *Cephalocereus smithianus* Britton & Rose, Cactaceae 2: 37, f. 46–47. 1920 syn. sec. Hunt (2006) ≡ *Cereus smithianus* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 69. 1931 syn. sec. Kew WCVP (2019) ≡ *Monvillea smithiana* (Britton & Rose) Backeb. in Blätt. Kakteenf. 1934(12): 7. 1934 syn. sec. Kew WCVP (2019) ≡ *Praecereus smithianus* (Britton & Rose) Buxb. in Beitr. Biol. Pflanzen 44: 273. 1968 syn. sec. Hunt (2006)

***Praecereus saxicola* (Morong) N.P.Taylor in Cactaceae Consensus Init. 3: 10. 1997. Sec. Hunt (2006)**

- ≡ *Cereus saxicola* Morong in Ann. New York Acad. Sci. 7: 121. 1893 syn. sec. Hunt (2006) ≡ *Monvillea saxicola* (Morong) A.Berger, Kakteen: 343. 1929 syn. sec. Kew WCVP (2019)
- = *Cereus cavendishii* Monv., Hort. Universel 1: 219. 1840 syn. sec. Arias (2021) ≡ *Eriocereus cavendishii* (Monv.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 239. 1909 syn. sec. Arias (2021) ≡ *Monvillea cavendishii* (Monv.) Britton & Rose, Cactaceae 2: 21. 1920 syn. sec. Hunt (2006)
- = *Cereus paxtonianus* Monv. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 211. 1850 syn. sec. Kew WCVP (2019) ≡ *Monvillea paxtoniana* (Monv. ex Salm-Dyck) Borg, Cacti, ed. 1: 97. 1937 syn. sec. Hunt (2006)
- = *Cereus rhodoleucanthus* K.Schum. in Monatsschr. Kakteenk. 9: 187. 1899 syn. sec. Kew WCVP (2019) ≡ *Monvillea rhodoleucantha* (K.Schum.) A.Berger, Kakteen: 343. 1929 syn. sec. Hunt (2006) ≡ *Cereus euchlorus* subsp. *rhodoleucanthus* (K.Schum.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kew WCVP (2019)
- = *Monvillea calliantha* Fuau & Backeb. in Backeberg, Cactaceae 4: 2312. 1960 syn. sec. Korotkova (2021) ≡ *Cereus callianthus* (Fuau & Backeb.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995 syn. sec. Kew WCVP (2019)
- = *Monvillea paxtoniana* var. *borealis* F.Ritter, Kakteen Südamerika 1: 251. 1979 syn. sec. Kew WCVP (2019)
- = *Monvillea chacoana* F.Ritter, Kakteen Südamerika 2: 509. 1980 syn. sec. Kew WCVP (2019)
- = *Monvillea parapetiensis* F.Ritter, Kakteen Südamerika 2: 510. 1980 syn. sec. Kew WCVP (2019) ≡ *Cereus ritteri* subsp. *parapetiensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kew WCVP (2019) – *Monvillea parpaetiensis* F.Ritter, Kakteen Südamerika 2: 510. 1980 syn. sec. TPL (2013) [is misspelling for *Monvillea parapetiensis* F.Ritter]
- = *Cereus ritteri* P.J.Braun & Esteves in Succulenta (Netherlands) 74: 84. 1995 syn. sec. Kew WCVP (2019)
- = *Monvillea krapovickiana* R.Kiesling in Bonplandia (Corrientes) 19: 60. 2010 syn. sec. Kew WCVP (2019)
- = *Cereus saxicola* var. *anguiniformis* Riccob. in Boll. Reale Orto Bot. Palermo 8: 252. 1909 syn. sec. Kew WCVP (2019) – *Cereus anguiniformis* Hort. ex Riccob. in Boll. Reale Orto Bot. Palermo 8: 252. 1909, nom. inval. syn. sec. Hunt (2006)
- *Cereus cavendishii* Monv. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 210. 1850, nom. inval. syn. sec. Berendsohn

Notes. – Kiesling (2011 in Haseltonia 2011(16): 3–8) concluded that this is an earlier name for *Praecereus saxicola*, which is currently supported by the proposed neotype and epitype of *C. cavendishii*. Hunt (2016) maintained *C. cavendishii* referred to a species of *Acanthocereus*. The rib number and provenance of *C. cavendishii* in the protologue are somewhat conflicting with either usage. The use of *Monvillea* sensu Kiesling has so far not been widely adopted and *C. cavendishii* has not been proposed for rejection. [Franck (2021)]

***Pseudorhipsalis* Britton & Rose, Cactaceae 4: 213. 1923. Sec. Korotkova & al. (2017)**

Type: *Pseudorhipsalis alata* (Sw.) Britton & Rose

- = *Wittia* K.Schum. in Monatsschr. Kakteenk. 13: 117. 1903, nom. illeg. syn. sec. Korotkova & al. (2017). Type: *Wittia amazonica* K.Schum.
- = *Wittiocactus* Rauschert in Taxon 31: 558. 1982 syn. sec. Korotkova & al. (2017). Type: *Wittiocactus amazonicus* (K.Schum.) Rauschert
- = *Disisorhipsalis* Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"] syn. sec. Korotkova & al. (2017). Type: *Disisorhipsalis macrantha* (Alexander) Doweld

Notes. – *Pseudorhipsalis* was newly circumscribed by Korotkova & al. (2017) based on the results of their phylogenetic study. A *Pseudorhipsalis* clade including the nomenclatural type *P. alata* received maximum support from all analyses therein, but *P. ramulosa* was not part of that clade and a new genus *Kimmachia* was established for *P. ramulosa* (see also there). [Korotkova (2021)]

***Pseudorhipsalis acuminata* Cufod. in Arch. Bot. Sist. 9: 196. 1933.** Sec. Korotkova & al. (2017)

- ≡ *Rhipsalis acuminata* (Cufod.) Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 18: 1560. 1938 syn. sec. Korotkova & al. (2017)
 ≡ *Disocactus acuminatus* (Cufod.) Kimmach in Cact. Succ. J. (Los Angeles) 33: 14. 1961 syn. sec. Korotkova & al. (2017)
 = *Disocactus horichii* Kimmach in Cact. Succ. J. (Los Angeles) 51(4): 169. 1979 syn. sec. Korotkova & al. (2017) ≡
Pseudorhipsalis horichii (Kimmach) Barthlott in Bradleya 9: 90. 1991 syn. sec. Korotkova & al. (2017)

***Pseudorhipsalis alata* (Sw.) Britton & Rose, Cactaceae 4: 213. 1923.** Sec. Korotkova & al. (2017)

- ≡ *Cactus alatus* Sw., Prodr.: 77. 1788 syn. sec. Korotkova & al. (2017) ≡ *Epiphyllum alatum* (Sw.) Haw., Suppl. Pl. Succ.: 84. 1819 syn. sec. Korotkova & al. (2017) ≡ *Cereus alatus* (Sw.) DC., Prodr. 3: 470. 1828 syn. sec. Korotkova & al. (2017) ≡ *Rhipsalis alata* (Sw.) K.Schum., Fl. Bras. 4(2): 288. 1890 syn. sec. Korotkova & al. (2017) ≡ *Hariota alata* (Sw.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Korotkova & al. (2017) ≡ *Disocactus alatus* (Sw.) Kimmach in Cact. Succ. J. (Los Angeles) 33: 14. 1961 syn. sec. Korotkova & al. (2017)
 = *Cereus alatus* var. *crassior* Salm-Dyck, Hort. Dyck.: 66. 1834 syn. sec. Kew WCVP (2019)
 = *Rhipsalis swartziana* Pfeiff., Enum. Diagn. Cact.: 131. 1837 syn. sec. Korotkova & al. (2017) ≡ *Hariota swartziana* (Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 75. 1839 syn. sec. Korotkova & al. (2017)
 = *Rhipsalis harrisii* Gürke in Monatsschr. Kakteenk. 18: 180. 1908 syn. sec. Korotkova & al. (2017) ≡ *Pseudorhipsalis harrisii* (Gürke) Y.Itô, Cacti, ed. 2: 160. 1952 syn. sec. Korotkova & al. (2017)
 – *Cactus dentatus* Ruiz ex Mart., Fl. Bras. 4(2): 288. 1890, nom. inval. syn. sec. Tropicos

***Pseudorhipsalis amazonica* (K.Schum.) Ralf Bauer in Haseltonia 9: 101. 2002.** Sec. Korotkova & al. (2017)

- ≡ *Wittia amazonica* K.Schum. in Monatsschr. Kakteenk. 13: 117. 1903, nom. illeg. syn. sec. Korotkova & al. (2017) ≡ *Disocactus amazonicus* (K.Schum.) D.R.Hunt in Cact. Succ. J. Gr. Brit. 44: 2. 1982 syn. sec. Korotkova & al. (2017) ≡ *Wittiocactus amazonicus* (K.Schum.) Rauschert in Taxon 31: 559. 1982 syn. sec. Korotkova & al. (2017)

Pseudorhipsalis amazonica* subsp. *amazonica*.** Sec. Korotkova & al. (2017)Pseudorhipsalis amazonica* subsp. *chocoensis* Ralf Bauer in Haseltonia 9: 108-109. 2002.** Sec. Korotkova & al. (2017)

- ≡ *Wittiocactus panamensis* subsp. *chocoensis* (Ralf Bauer) Guiggi, Iconogr. Cat. Cact. Cult. Hanbury: 60. 2016 syn. sec. Korotkova (2021)

***Pseudorhipsalis amazonica* subsp. *panamensis* (Britton & Rose) Ralf Bauer in Haseltonia 9: 106. 2002.** Sec. Korotkova & al. (2017)

- ≡ *Wittia panamensis* Britton & Rose in Contr. U.S. Natl. Herb. 16: 241. 1913 syn. sec. Korotkova & al. (2017) ≡ *Wittiocactus panamensis* (Britton & Rose) Rauschert in Taxon 31: 559. 1982 syn. sec. Korotkova & al. (2017)

***Pseudorhipsalis himantoclada* (Rol.-Goss.) Britton & Rose, Cactaceae 4: 213. 1923.** Sec. Korotkova & al. (2017)

- ≡ *Rhipsalis himantoclada* Rol.-Goss. in Bull. Soc. Bot. France 55: 694. 1908 syn. sec. Korotkova & al. (2017) ≡ *Wittia himantoclada* (Rol.-Goss.) Woodson in Ann. Missouri Bot. Gard. 45: 88. 1958 syn. sec. Korotkova & al. (2017) ≡ *Disocactus himantocladus* (Rol.-Goss.) Kimmach in Cact. Succ. J. (Los Angeles) 33: 14. 1961 syn. sec. Korotkova & al. (2017)
 = *Wittia costaricensis* Britton & Rose in Contr. U.S. Natl. Herb. 16: 261. 1913 syn. sec. Korotkova & al. (2017)

***Pseudorhipsalis lankesteri* (Kimmach) Barthlott in Bradleya 9: 90. 1991.** Sec. Korotkova & al. (2017)

- ≡ *Disocactus lankesteri* Kimmach in Cact. Succ. J. (Los Angeles) 51: 168. 1979 syn. sec. Korotkova & al. (2017)

***Pterocactus* K.Schum. in Monatsschr. Kakteenk. 7: 6. 1897.** Sec. Hunt (2016)

Type: *Pterocactus kuntzei* K.Schum.

Notes. – **Phylogenetics:** Confirmed as monophyletic with maximal support by Griffith & Porter (2009) and Ritz & al. (2012).

Key literature: Monograph by Kiesling (1982). [Hernández-Ledesma & al. (2015)]

***Pterocactus araucanus* A.Cast. in Revista Fac. Ci. Agrar. Univ. Nac. Cuyo 8: 6. 1964.** Sec. Hunt (2016)

- ≡ *Opuntia araucana* (A.Cast.) Kiessling, Tephrocactus u. and. Feigenkakt.: 38. 2000 syn. sec. Hunt (2016)

***Pterocactus australis* (F.A.C.Weber) Backeb. in Desert Pl. Life 22: 17. 1950.** Sec. Hunt (2016)

- ≡ *Opuntia australis* F.A.C.Weber in Bois, Dict. Hort.: 896. 1898 syn. sec. Hunt (2016)
 = *Pterocactus australis* var. *arnoldianus* Backeb. in Cact. Succ. J. (Los Angeles) 23: 14. 1951 syn. sec. Kew WCVP (2019)

Pterocactus fischeri* Britton & Rose, Cactaceae 1: 31. 1919.** Sec. Hunt (2016)Pterocactus gonjianii* R.Kiesling in Cact. Succ. J. Gr. Brit. 44(3): 55. 1982.** Sec. Hunt (2016)***Pterocactus hickenii* Britton & Rose, Cactaceae 1: 31. 1919.** Sec. Hunt (2016)***Pterocactus meglolii* R.Kiesling in Bol. Soc. Argent. Bot. 14: 111. 1971.** Sec. Hunt (2016)

- ≡ *Opuntia meglolii* (R.Kiesling) Kiessling, Tephrocactus u. and. Feigenkakt.: 182. 2000 syn. sec. Hunt (2016)

Pterocactus neuquensis* R.Kiesling, E.Sarnes & N.Sarnes in Kakteen And. Sukk. 67: 240. 2016.** Sec. Kew WCVP (2019)Pterocactus reticulatus* R.Kiesling in Bol. Soc. Argent. Bot. 14: 114. 1971.** Sec. Hunt (2016)***Pterocactus tuberosus* (Pfeiff.) Britton & Rose, Cactaceae 1: 32. 1919.** Sec. Hunt (2016)

- ≡ *Opuntia tuberosa* Pfeiff., Enum. Diagn. Cact.: 146. 1837 syn. sec. Hunt (2016)
 = *Opuntia tuberosa* var. *spinosa* Pfeiff., Enum. Diagn. Cact.: 146. 1837 syn. sec. Kew WCVP (2019)
 = *Pterocactus kuntzei* K.Schum. in Monatsschr. Kakteenk. 7: 6. 1897 syn. sec. Hunt (2016) ≡ *Opuntia kuntzei* (K.Schum.) Kiessling, Tephrocactus u. and. Feigenkakt.: 156. 2000 syn. sec. Hunt (2016)
 = *Pterocactus decipiens* Gürke in Monatsschr. Kakteenk. 17: 147. 1907 syn. sec. Hunt (2016)

- = *Opuntia skottsbergii* Britton & Rose, *Cactaceae* 1: 96–97, f. 114. 1919 syn. sec. Hunt (2016) ≡ *Pterocactus skottsbergii* (Britton & Rose) Backeb. in *Desert Pl. Life* 22: 17. 1950 syn. sec. Hunt (2016)
- = *Pterocactus kuntzei* f. *lelongii* Ruiz Leal ex R.Kiesling in *Cact. Succ. J. Gr. Brit.* 44: 56. 1982 syn. sec. Kew WCVP (2019) ≡ *Pterocactus tuberosus* f. *lelongii* (Ruiz Leal ex R.Kiesling) R.Kiesling in *Monogr. Syst. Bot. Missouri Bot. Gard.* 74: 1246. 1999 syn. sec. Kew WCVP (2019)
- *Pterocactus kurtzei* K.Schum., *Nat. Pflanzenfam. Nachtr.* 1: 259. 1897 syn. sec. Kew WCVP (2019) [is misspelling for *Pterocactus kuntzei* K.Schum.]
- Pterocactus valentini* Speg. in *Anales Soc. Ci. Argent.* 48: 51. 1899. Sec. Hunt (2016)**
- ≡ *Opuntia valentini* (Speg.) Kiessling, *Tephrocactus u. and. Feigenkakt.*: 272. 2000 syn. sec. Hunt (2016)
- = *Pterocactus pumilus* Britton & Rose, *Cactaceae* 1: 32. 1919 syn. sec. Tropicos

***Punotia* D.R.Hunt in *Cactaceae Syst. Init.* 25: 26. 2011. Sec. Ritz & al. (2012)**

Type: *Punotia lagopus* (K.Schum.) D.R.Hunt

Notes. – **Phylogenetics:** The sole species of this recently segregated genus, *P. lagopus*, was formerly placed in *Austrocylindropuntia*, but was recovered as sister to the remaining species of *Austrocylindropuntia* and *Cumulopuntia* by Ritz & al. (2012). It differs from *Austrocylindropuntia* in several characters, especially its growth form as flat, extensive cushions. [Hernández-Ledesma & al. (2015)]

***Punotia lagopus* (K.Schum.) D.R.Hunt in *Cactaceae Syst. Init.* 25: 26. 2011. Sec. Hunt (2011)**

- ≡ *Opuntia lagopus* K.Schum., *Gesamtbeschr. Kakt., Nachtr.* 1: 151. 1903 syn. sec. Hunt (2011) ≡ *Tephrocactus lagopus* (K.Schum.) Backeb., *Kaktus-ABC*: 106. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Tephrocactus floccosus* var. *lagopus* (K.Schum.) F.Ritter, *Kakteen Südamerika* 4: 1242. 1981 syn. sec. Korotkova (2021) ≡ *Austrocylindropuntia lagopus* (K.Schum.) I.Crook, J.Arnold & M.Lowry in *Bradleya* 21: 89. 2003 syn. sec. Hunt (2011) ≡ *Andinopuntia lagopus* (K.Schum.) Guiggi in *Cactology* 2 (Suppl.): 1. 2011 syn. sec. Hunt (2011) – *Austrocylindropuntia lagopus* (K.Schum.) F.Ritter, *Kakteen Südamerika* 4: 1242. 1981, nom. inval. syn. sec. Hunt (2011)
- = *Tephrocactus lagopus* subvar. *brachycarpus* Rauh & Backeb., *Descr. Cact. Nov.* 1: 7. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Opuntia lagopus* subvar. *brachycarpa* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)
- = *Tephrocactus lagopus* var. *leucolagopus* Rauh & Backeb., *Descr. Cact. Nov.* 1: 7. 1957 ["1956"] syn. sec. Hunt (2011) ≡ *Opuntia lagopus* var. *leucolagopus* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 6. 1958 syn. sec. Hunt (2011)
- = *Opuntia lagopus* var. *pachyclada* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Korotkova (2021) ≡ *Tephrocactus lagopus* var. *pachycladus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 204. 1958 syn. sec. Tropicos
- = *Tephrocactus lagopus* var. *aureo-penicillatus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 206. 1958 syn. sec. Tropicos ≡ *Opuntia lagopus* var. *aureo-penicillata* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Korotkova (2021)
- = *Tephrocactus lagopus* var. *aureus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 206. 1958 syn. sec. Tropicos ≡ *Opuntia lagopus* var. *aurea* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13(1): 5. 1958 syn. sec. Korotkova (2021)
- = *Tephrocactus malyanus* Rausch in *Kakteen And. Sukk.* 22(3): 43. 1971 syn. sec. Kew WCVP (2019) ≡ *Austrocylindropuntia malyana* (Rausch) F.Ritter, *Kakteen Südamerika* 4: 1244. 1981 syn. sec. Kew WCVP (2019)
- = *Andinopuntia lagopus* subsp. *septentrionalis* Guiggi in *Cactology* 5 (Suppl. II): 1. 2016 syn. sec. Kew WCVP (2019)
- *Tephrocactus floccosus* var. *lapopus* (K.Schum.) F.Ritter, *Kakteen Südamerika* 4: 1242. 1981 syn. sec. TPL (2013) [is misspelling for *Tephrocactus floccosus* var. *lagopus* (K.Schum.) F.Ritter]

***Pygmaeocereus* H.Johnson & Backeb. in *Natl. Cact. Succ. J.* 12: 86. 1957. Sec. Hunt (2006)**

Type: *Pygmaeocereus bylesianus* Andreae & Backeb.

Notes. – Suggested as synonym of *Haageocereus* by Nyffeler & Egli (2010). [Korotkova & al. (2021)]

***Pygmaeocereus bieblii* Diers in *Kakteen And. Sukk.* 46(11): 259. 1995. Sec. Hunt (2006)**

≡ *Haageocereus bieblii* (Diers) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 4. 2013

Pygmaeocereus bieblii* subsp. *bieblii

***Pygmaeocereus bieblii* subsp. *kuehhasii* (Diers) Ostolaza, *Cactus Perú:* 404. 2014. Sec. Kew WCVP (2019)**

≡ *Pygmaeocereus bieblii* var. *kuehhasii* Diers in *Kakteen And. Sukk.* 58: 72. 2007 syn. sec. Kew WCVP (2019) ≡ *Haageocereus bieblii* subsp. *kuehhasii* (Diers) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 4. 2013

***Pygmaeocereus bylesianus* Andreae & Backeb. in *Natl. Cact. Succ. J.* 12: 86. 1957. Sec. Hunt (2016)**

- ≡ *Arthrocareus bylesianus* (Andreae & Backeb.) Buxb. in *Kakteen And. Sukk.* 20: 97. 1969 syn. sec. Hunt (2006) ≡ *Haageocereus bylesianus* (Andreae & Backeb.) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 5. 2013 syn. sec. Kew WCVP (2019) ≡ *Echinopsis bylesiana* (Andreae & Backeb.) Mayta in *Succulentopi@* 14: 14. 2015 syn. sec. Korotkova (2021)
- = *Pygmaeocereus rowleyanus* Backeb., *Cactaceae* 6: 3718. 1962 syn. sec. Hunt (2006) ≡ *Arthrocareus rowleyanus* (Backeb.) Buxb. in *Kakteen And. Sukk.* 20: 97. 1969 syn. sec. Hunt (2006)
- = *Pygmaeocereus familiaris* F.Ritter, *Kakteen Südamerika* 4: 1428. 1981 syn. sec. Hunt (2006) ≡ *Haageocereus familiaris* (F.Ritter) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 5. 2013 syn. sec. Kew WCVP (2019) ≡ *Echinopsis familiaris* (F.Ritter) Mayta & Molinari in *Succulentopi@* 14: 14. 2015 syn. sec. Korotkova (2021)

- = *Pygmaeocereus akersii* H.Johnson syn. sec. Tropicos
 = *Pygmaeocereus vespertinus* H.Johnson syn. sec. Tropicos

***Quiabentia* Britton & Rose, Cactaceae 4: 252. 1923. Sec. Hunt (2006)**

Type: *Quiabentia zehntneri* (Britton & Rose) Britton & Rose

***Quiabentia verticillata* (Vaupel) Vaupel ex A.Berger, Kakteen: 46. 1929. Sec. Hunt (2006)**

- ≡ *Pereskia verticillata* Vaupel in Z. Sukkulente. 1: 55. 1923 syn. sec. Hunt (2006) ≡ *Quiabentia verticillata* (Vaupel) Borg, Cacti, ed. 1: 53. 1937 syn. sec. Hunt (2006) ≡ *Grusonia verticillata* (Vaupel) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Kew WCVP (2019)
 = *Pereskia pflanzii* Vaupel in Z. Sukkulente. 1: 56. 1923 syn. sec. Hunt (2006) ≡ *Quiabentia pflanzii* (Vaupel) Vaupel ex A.Berger, Kakteen: 46. 1929 syn. sec. Hunt (2006) ≡ *Quiabentia pflanzii* (Vaupel) Borg, Cacti, ed. 1: 53. 1937 syn. sec. Hunt (2006)
 = *Quiabentia chacoensis* Backeb., Kaktus-ABC: 410. 1936 ["1935"] syn. sec. Hunt (2006)
 = *Quiabentia chacoensis* var. *juyuyensis* Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. Hunt (2006)
 = *Quiabentia perezii* Backeb., Descr. Cact. Nov. 1: 6. 1957 ["1956"] syn. sec. Hunt (2006)

***Quiabentia zehntneri* (Britton & Rose) Britton & Rose, Cactaceae 4: 252. 1923. Sec. Taylor & Zappi (2004)**

- ≡ *Pereskia zehntneri* Britton & Rose, Cactaceae 1: 14. 1919 syn. sec. Hunt (2006) ≡ *Grusonia zehntneri* (Britton & Rose) G.D.Rowley in Tephrocactus Study Group 12(3): 43. 2006 syn. sec. Hunt (2006) – *Pereskia zehntneri* Britton & Rose, Cactaceae 1: 14. 1919 syn. sec. TPL (2013) [is misspelling for *Pereskia zehntneri* Britton & Rose]

***Rapicactus* Buxb. & Oehme in Cactaceae (Berlin) 1942(1): 24. 1942. Sec. Vázquez-Sánchez & al. (2019)**

Type: *Rapicactus subterraneus* (Backeb.) Buxb. & Oehme

- *Turbincarpus* subg. *Rapicactus* (Buxb. & Oehme) Zachar, Gen. Turbincarpus: 93 (10). 2004, nom. inval. syn. sec. Aquino (2021)
 = *Lodia* Mosco & Zanovello in Bradleya 18: 44. 2000 syn. sec. Aquino (2021). Type: *Lodia mandragora* (Frič ex A.Berger) Mosco & Zanov.

Notes. – **Phylogenetics:** Traditionally included in *Turbincarpus*, separated from it by Vázquez-Sánchez & al. (2013) after *Turbincarpus* was found to be polyphyletic by them and previously also by Bárcenas & al. (2011). Subsequent evidence indicated that *Rapicactus* was an independent lineage of *Turbincarpus* s.s. The presence of concentric druses in the hypodermis is a feature present in the members of *Rapicactus* (De la Rosa-Tilapa et al. 2018). Vázquez-Sánchez et al. (2019) performed a phylogenetic study that included five molecular markers (*matK*, *rbcl*, *psbA-trnH*, *rpl16* and *trnL-F*) and anatomical characters. *Rapicactus* was recovered as monophyletic with maximal support as sister to *Acharagma*, *Lophophora* and *Obregonia*. In conclusion, *Rapicactus* is a lineage independent from *Turbincarpus* s.s. Five species and four subspecies are recognized, of which *Rapicactus beguinii* is the species with the greatest morphological variation (See treatment). [Aquino (2021)].

***Rapicactus beguinii* (N.P.Taylor) Lüthy in Cactus & Co. 7(1): 38. 2003. Sec. Vázquez-Sánchez & al. (2013)**

- ≡ *Thelocactus beguinii* N.P.Taylor in Bradleya 1: 113. 1983 syn. sec. Aquino (2021) ≡ *Turbincarpus beguinii* (N.P.Taylor) Mosco & Zanov. in Bradleya 15: 81. 1997 syn. sec. Aquino (2021) ≡ *Turbincarpus mandragora* subsp. *beguinii* (N.P.Taylor) Lüthy in Kakteen And. Sukk. 50(11): 279. 1999 syn. sec. Aquino (2021)
 = *Neolloydia glassii* Doweld in Cactaceae Syst. Init. 9: 20. 2000 syn. sec. Kew WCVP (2019)
 = *Turbincarpus beguinii* subsp. *haenkeanus* Halda, Horáček & Malina in Acta Mus. Richnov., Sect. Nat., 10: 158. 2003 syn. sec. Aquino (2021)
 = *Turbincarpus beguinii* subsp. *senilis* Zachar & Lux, Gen. Turbincarpus: 100. 2004 syn. sec. Aquino (2021)
 – *Rapicactus beguinii* subsp. *laurae* D.Donati & Zanov., Con. Cap. Colt. Turbincarpus - Rapicactus: 221. 2004, nom. inval. syn. sec. Aquino (2021)
 – *Rapicactus canescens* D.Donati & Zanov., Con. Cap. Colt. Turbincarpus - Rapicactus: 217. 2004, nom. inval. syn. sec. Aquino (2021)
 – *Rapicactus donatii* D.Donati & Zanov., Con. Cap. Colt. Turbincarpus - Rapicactus: 219. 2004, nom. inval. syn. sec. Aquino (2021)

Notes. – The morphological variation of *Rapicactus beguinii* is the widest in the genus, which is why multiple species and subspecies have been proposed (Donati & Zanovello 2004). A systematic study is required that includes a morphological analysis, DNA sequences and environmental variables that allows a better understanding of the variation and that allows to establish interspecific limits. [Aquino (2021)]

***Rapicactus beguinii* subsp. *beguinii*. Sec. Vázquez-Sánchez & al. (2019)**

***Rapicactus beguinii* subsp. *hintoniorum* (A.Hofer) Lüthy in Cactus & Co. 7(1): 38. 2003. Sec. Vázquez-Sánchez & al. (2019)**

- ≡ *Turbincarpus beguinii* subsp. *hintoniorum* A.Hofer in Succulentes 2000(3): 21. 2000 syn. sec. Aquino (2021) ≡ *Neolloydia glassii* subsp. *hintoniorum* (A.Hofer) Doweld in Sukkulente 8: 17. 2005 syn. sec. Aquino (2021)

***Rapicactus booleanus* (G.S.Hinton) D.Donati, Revis. Tasson. Gen. Turbinicarpus: 6. 2003. Sec. Vázquez-Sánchez & al. (2019)**

≡ *Turbinicarpus booleanus* G.S.Hinton in Phytologia 80(1): 62–66. 1996 syn. sec. Aquino (2021) ≡ *Turbinicarpus mandragora* subsp. *booleanus* (G.S.Hinton) Lüthy in Kakteen And. Sukk. 50: 279. 1999 syn. sec. Aquino (2021) ≡ *Neolloydia booleana* (G.S.Hinton) Doweld in Cactaceae Syst. Init. 9: 19. 2000 syn. sec. Aquino (2021) ≡ *Rapicactus subterraneus* subsp. *booleanus* (G.S.Hinton) Lüthy in Cactus & Co. 7(1): 38. 2003 syn. sec. Aquino (2021) ≡ *Turbinicarpus subterraneus* subsp. *booleanus* (G.S.Hinton) D.R.Hunt in Cactaceae Syst. Init. 20: 24. 2005

***Rapicactus mandragora* (Frič ex A.Berger) Buxb. & Oehme in Cactaceae (Berlin) 1942(1): 24. 1942. Sec. Vázquez-Sánchez & al. (2019)**

≡ *Echinocactus mandragora* Frič ex A.Berger, Kakteen: 255. 1929 syn. sec. Aquino (2021) ≡ *Turbinicarpus mandragora* (Frič ex A.Berger) A.D.Zimmerman in Bradleya 9: 92. 1991 syn. sec. Aquino (2021) ≡ *Lodia mandragora* (Frič ex A.Berger) Mosco & Zanov. in Bradleya 18: 44. 2000 syn. sec. Aquino (2021) ≡ *Thelocactus mandragora* A.Berger, Kakteen: 255. 1929 syn. sec. Aquino (2021) ≡ *Gymnocactus mandragora* (Frič ex A.Berger) Backeb., Cactaceae 5: 2862. 1961 syn. sec. Aquino (2021) ≡ *Neolloydia mandragora* (Frič ex A.Berger) E.F.Anderson in Bradleya 4: 14. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus mandragora* (Frič ex A.Berger) Halda in Acta Mus. Richnov., Sect. Nat., 5: 18. 1998 syn. sec. Aquino (2021)

***Rapicactus mandragora* subsp. *mandragora*. Sec. Aquino (2021)**

***Rapicactus mandragora* subsp. *pailanus* (Halda & Panar.) Lüthy in Cactus & Co. 7(1): 38. 2003. Sec. Aquino (2021)**

≡ *Turbinicarpus pailanus* Halda & Panar. in 5(4): 162. 1998 syn. sec. Aquino (2021) ≡ *Turbinicarpus mandragora* subsp. *pailanus* (Halda & Panar.) Lüthy in Kakteen And. Sukk. 50(11): 279. 1999 syn. sec. Aquino (2021) ≡ *Neolloydia pailana* (Halda & Panar.) Doweld in Sukkulenty 3: 70. 2000 syn. sec. Aquino (2021) ≡ *Rapicactus pailanus* (Halda & Panar.) D.Donati, Revis. Tasson. Gen. Turbinicarpus: 7. 2003 syn. sec. Aquino (2021) ≡ *Turbinicarpus beguinii* subsp. *pailanus* (Halda & Panar.) U.Guzmán in Cactaceae Syst. Init. 16: 18. 2003 syn. sec. Aquino (2021)

***Rapicactus subterraneus* (Backeb.) Buxb. & Oehme in Cactaceae (Berlin) 1942(1): 21. 1942. Sec. Aquino (2021)**

≡ *Echinocactus subterraneus* Backeb. in Kakteen-Freund 1: 110. 1932 syn. sec. Aquino (2021) ≡ *Thelocactus subterraneus* Backeb. in Kakteen-Freund 1: 110–111. 1932 syn. sec. Aquino (2021) ≡ *Gymnocactus subterraneus* (Backeb.) Fritz Schwarz in Cact. Succ. J. Gr. Brit. 11: 16. 1949 syn. sec. Aquino (2021) ≡ *Neolloydia subterranea* (Backeb.) H.E.Moore in Baileya 19: 165. 1975 syn. sec. Aquino (2021) ≡ *Turbinicarpus subterraneus* (Backeb.) A.D.Zimmerman in Bradleya 9: 92. 1991 syn. sec. Aquino (2021) ≡ *Pediocactus subterraneus* (Backeb.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 17. 1998 syn. sec. Aquino (2021) ≡ *Turbinicarpus mandragora* subsp. *subterraneus* (Backeb.) Lüthy in Kakteen And. Sukk. 50: 279. 1999 syn. sec. Aquino (2021)

***Rapicactus zaragosae* (Glass & R.A.Foster) D.Donati ex D.Aquino in Willdenowia 51: 264. 2021. Sec. Aquino (2021)**

≡ *Gymnocactus subterraneus* var. *zaragosae* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 50(6): 283. 1978 syn. sec. Aquino (2021) ≡ *Thelocactus subterraneus* var. *zaragosae* (Glass & R.A.Foster) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Aquino (2021) ≡ *Neolloydia subterranea* var. *zaragosae* (Glass & R.A.Foster) E.F.Anderson in Bradleya 4: 14. 1986 syn. sec. Aquino (2021) ≡ *Turbinicarpus subterraneus* var. *zaragosae* (Glass & R.A.Foster) A.D.Zimmerman in Succ. Pl. Res. 2: 109. 1994 syn. sec. Aquino (2021) ≡ *Turbinicarpus zaragosae* (Glass & R.A.Foster) Glass & A.Hofer in Glass, Guía Identific. Cact. Amenazadas México: Tu/za. 1997 ["1998"] syn. sec. Aquino (2021) ≡ *Pediocactus subterraneus* var. *zaragosae* (Glass & R.A.Foster) Halda in Acta Mus. Richnov., Sect. Nat., 5: 18. 1998 syn. sec. Aquino (2021) ≡ *Neolloydia subterranea* subsp. *zaragosae* (Glass & R.A.Foster) Doweld in Cactaceae Consensus Init. 7: 12. 1999 syn. sec. Aquino (2021) ≡ *Turbinicarpus mandragora* subsp. *zaragosae* (Glass & R.A.Foster) Lüthy in Kakteen And. Sukk. 50: 279. 1999 syn. sec. Aquino (2021) ≡ *Neolloydia zaragosae* (Glass & R.A.Foster) Doweld in Cactaceae Syst. Init. 9: 19. 2000 syn. sec. Aquino (2021) ≡ *Rapicactus subterraneus* subsp. *zaragosae* (Glass & R.A.Foster) Lüthy in Cactus & Co. 7: 38. 2003 syn. sec. Aquino (2021) ≡ *Turbinicarpus subterraneus* subsp. *zaragosae* (Glass & R.A.Foster) Zachar, Gen. Turbinicarpus: 109. 2004 syn. sec. Aquino (2021) ≡ *Turbinicarpus beguinii* subsp. *zaragozae* (Glass & R.A.Foster) D.R.Hunt in Cactaceae Syst. Init. 20: 24. 2005 syn. sec. Aquino (2021) – *Rapicactus zaragosae* (Glass & R.A.Foster) D.Donati, Revis. Tasson. Gen. Turbinicarpus: 6. 2003, nom. inval. syn. sec. Aquino (2021) – *Turbinicarpus zaragozae* (Glass & R.A.Foster) Glass & A.Hofer syn. sec. TPL (2013) [is orthographic variant for *Turbinicarpus zaragosae* (Glass & R.A.Foster) Glass & A.Hofer]

***Rauhocereus* Backeb., Descr. Cact. Nov. 1: 5. 1957 ["1956"]. Sec. Hunt (2006)**

Type: *Rauhocereus riosaniensis* Backeb.

Notes. – Monotypic; sampled by Hernández-Hernández & al. (2011), where its was unsupported sister to *Espositoopsis* and by Schlumpberger & Renner (2012), who found *Rauhocereus* as sister to *Espositoa lanata* with 100% MLBS support. [Korotkova & al. (2021)]

***Rauhocereus riosaniensis* Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"]. Sec. Hunt (2006)**

≡ *Browningia riosaniensis* (Backeb.) G.D.Rowley in Natl. Cact. Succ. J. 37(2): 48. 1982 syn. sec. Hunt (2006)

***Rauhocereus riosaniensis* subsp. *jaenensis* (Rauh ex Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 9. 1998. Sec. Hunt (2006)**

≡ *Rauhocereus riosaniensis* var. *jaenensis* Rauh ex Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958(1): 368. 1958 syn. sec. Hunt (2006)

***Rauhocereus riosaniensis* subsp. *riosaniensis*. Sec. Hunt (2006)**

Rebutia K.Schum. in Monatsschr. Kakteenk. 5: 102. 1895. Sec. Ritz & al. (2007)

Type: *Rebutia minuscula* K.Schum.

- = *Rebutia* subg. *Eurebutia* Backeb. in Blätt. Kakteenf. 1934(2): 7. 1934 syn. sec. Ritz & al. (2007)
- ≡ *Eurebutia* (Backeb.) Vande Weghe in Cactus (Sint-Amansberg) 8: 108. 1938 syn. sec. Kew WCVP (2019)
- = *Echinorebutia* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 26. 1935 syn. sec. Kew WCVP (2019)
- = *Rebulobivia* Frič in Gartenzeitung (Vienna) 11: 46. 1935 syn. sec. Kew WCVP (2019)
- = *Setirebutia* Frič in Succulenta (Netherlands) 18: 124. 1936 syn. sec. Kew WCVP (2019)
- = *Scoparebutia* Frič & Kreuz. in Succulenta (Netherlands) 20(4): 55. 1938 syn. sec. Kew WCVP (2019)
- = *Echinolobivia* Y.Itô in Bull. Takarazuka Insectarium 71: 71. 1950 syn. sec. Kew WCVP (2019)
- = *Gymnantha* Y.Itô, Explan. Diagr. Austroechinocactinae: 284. 1957 syn. sec. Kew WCVP (2019)
- = *Neogymnantha* Y.Itô, Cactaceae: 253. 1981 syn. sec. Kew WCVP (2019)
- *Cylindrorebutia* Frič & Kreuz. in Succulenta (Netherlands) 20: 55. 1938, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** The circumscription of *Rebutia* s.l. vs. a suite of proposed segregates (including *Aylostera*, *Digitorebutia*, *Mediolobivia*, *Sulcorebutia* and *Weingartia*) has been the subject of continued debate in the past 30 years. The wide circumscription (including these taxa) was adopted by Anderson & al. (2001) and Hunt (2006), but not by Anderson (2005) who recognized *Sulcorebutia* and *Weingartia*. The broad concept goes back to the consensus *Cactaceae* classification as summarized by Hunt & Taylor (1986), and some participants of the discussions at that time even argued that *Rebutia* sensu latissimo should be placed in the synonymy of an even more expanded *Echinopsis*.

Recent molecular phylogenetic studies showed, however, that *Rebutia* does not belong into the *Echinopsis* clade (Ritz & al. 2007; Mosti & al. 2011; Schlumpberger & Renner 2012), and that the genus in this broad concept is an untenable polyphyletic assemblage. In the molecular phylogeny of Ritz & al. (2007), three independent clades with taxa of *Rebutia* s.l. are found, namely *Weingartia* (incl. *Sulcorebutia* and *Cintia*), "Rebutia I" (including the segregates *Aylostera*, *Digitorebutia* and *Mediolobivia*), and "Rebutia II" (conforming to *Rebutia* s.str.). While *Rebutia* s.str. is placed as sister to *Browningia*, *Aylostera* is placed in a clade with *Cereus* and *Stetsonia* (Ritz & al. 2007; Mosti & al. 2011). Therefore, it appears reasonable to abandon the concept of *Rebutia* s.l., to restrict *Rebutia* to the "true" rebutias, and to accept both *Aylostera* as well as *Weingartia* as separate genera. Most of the necessary new combinations have been published for *Aylostera* (Monti & al. 2011) and *Weingartia* (Hentzschel & Augustin 2008). [Hernández-Ledesma & al. (2015)]

***Rebutia borealis* Diers & Krahn in Kakteen And. Sukk. 60(5): 119. 2009. Sec. Kiesling & al. (2014)**

***Rebutia fabrisii* Rausch in Kakteen And. Sukk. 28(3): 52. 1977. Sec. Ritz & al. (2007)**

- = *Rebutia fabrisii* var. *aureiflora* Rausch in Kakteen And. Sukk. 28: 53. 1977 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.
- = *Rebutia fabrisii* var. *nana* Rausch in Succulenta (Netherlands) 64: 101. 1985 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

***Rebutia minuscula* K.Schum. in Monatsschr. Kakteenk. 5: 102. 1895. Sec. Ritz & al. (2007)**

- ≡ *Echinopsis minuscula* Rebut ex K.Schum. in Monatsschr. Kakteenk. 5: 105. 1895 syn. sec. Kew WCVP (2019) ≡ *Echinocactus minusculus* (K.Schum.) F.A.C.Weber, Dict. Hort. 1: 467. 1896 syn. sec. Kew WCVP (2019) ≡ *Eurebutia minuscula* (K.Schum.) Vande Weghe in Cactus (Sint-Amansberg) 8: 108. 1938 syn. sec. Kew WCVP (2019) ≡ *Lobivia minuscula* (K.Schum.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Korotkova (2021)
- = *Rebutia citricarpa* Frič in Möller's Deutsche Gärtner-Zeitung 47: 421. 1932 syn. sec. Ritz & al. (2007)
- = *Rebutia senilis* Backeb. in Kakteen-Freund 1: 124. 1932 syn. sec. Hunt (2016) ≡ *Lobivia senilis* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Korotkova (2021)
- = *Rebutia senilis* var. *hyalacantha* Backeb. in Kakteen-Freund 1: 131. 1932 syn. sec. Kew WCVP (2019) ≡ *Rebutia calliantha* f. *hyalacantha* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia krainziana* var. *hyalacantha* (Backeb.) Buchheim, Handw.-Buch Pfl.-Namen, ed. 10: 743. 1972 syn. sec. Kew WCVP (2019) ≡ *Rebutia hyalacantha* (Backeb.) Backeb., Cactaceae 3: 1551. 1959 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *stuemeri* Backeb. in Kakteen-Freund 1: 131. 1932 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *stuemeri* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia xanthocarpa* Backeb. in Kakteen-Freund 1: 131. 1932 syn. sec. Hunt (2016) ≡ *Lobivia xanthocarpa* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 74. 1942 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* var. *xanthocarpa* (Backeb.) W.T.Marshall in Cactus (Paris) 14: 30. 1948 syn. sec. Kew WCVP (2019)
- = *Rebutia dasyphrissa* Werderm. in Repert. Spec. Nov. Regni Veg. Sonderbeih. C: t. 103. 1935 syn. sec. Kew WCVP (2019) ≡ *Rebutia xanthocarpa* var. *dasyphrissa* (Werderm.) Backeb. in Beitr. Sukkulantenk. Sukkulantenpflege 1939: 3. 1939 syn. sec. Kew WCVP (2019) ≡ *Rebutia xanthocarpa* f. *dasyphrissa* (Werderm.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia violaciflora* Backeb. in Blätt. Kakteenf. 1935(8): 8. 1935 syn. sec. Hunt (1999) ≡ *Lobivia violaciflora* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 74. 1942 syn. sec. Korotkova (2021) ≡ *Rebutia xanthocarpa* var. *violaciflora* (Backeb.) Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡ *Rebutia minuscula* f. *violaciflora* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Tropicos ≡ *Rebutia xanthocarpa* f. *violaciflora* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Tropicos ≡ *Rebutia minuscula* subsp. *violaciflora* (Backeb.) Donald in Ashingtonia 2: 43. 1975 syn. sec. Tropicos

- = *Rebutia chrysacantha* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Tropicos ≡ *Lobivia chrysacantha* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Korotkova (2021) ≡ *Rebutia senilis* var. *chrysacantha* (Backeb.) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Tropicos ≡ *Rebutia senilis* f. *chrysacantha* (Backeb.) Buining & Donald in Cact. Succ. J. Gr. Brit. 27: 38. 1965 syn. sec. Tropicos ≡ *Rebutia senilis* subsp. *chrysacantha* (Backeb.) Donald in Ashingtonia 2: 50. 1975 syn. sec. Tropicos
- = *Rebutia grandiflora* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Rebutia minuscula* var. *grandiflora* (Backeb.) Krainz, Kakteen 14: C Vc. 1960 syn. sec. Tropicos ≡ *Rebutia minuscula* subsp. *grandiflora* (Backeb.) Donald in Ashingtonia 2: 43. 1975 syn. sec. Tropicos
- = *Rebutia knuthiana* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Rebutia violaciflora* var. *knuthiana* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 11. 1957 syn. sec. Korotkova (2021) ≡ *Rebutia minuscula* f. *knuthiana* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *aurescens* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *brevisetata* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Rebutia krainziana* var. *brevisetata* (Backeb.) Donald in Natl. Cact. Succ. J. 12: 28. 1957 syn. sec. Ritz & al. (2007) ≡ *Rebutia calliantha* f. *brevisetata* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 104. 1963
- = *Rebutia senilis* var. *lilacinorosea* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *lilacinorosea* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *stuemmeriana* Backeb., Kaktus-ABC: 416. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Rebutia stuemmeriana* (Backeb.) Backeb. in Desert Pl. Life 18: 152. 1946 syn. sec. Kew WCVP (2019)
- = *Rebutia marsoneri* Werderm. in Kakteenkunde 1937(1): 2. 1937 syn. sec. Hunt (2016) ≡ *Rebutia minuscula* var. *marsoneri* (Werderm.) Eb.Scholz in Informationsbrief Zentr. Arbeitsgem. "Echinopseen" 20: 9. 1995 syn. sec. Kew WCVP (2019)
- = *Rebutia carminea* Buining in Succulenta (Netherlands) 23: 27. 1941 syn. sec. Tropicos ≡ *Rebutia violaciflora* var. *carminea* (Buining) Donald in Natl. Cact. Succ. J. 12: 11. 1957 syn. sec. Kew WCVP (2019)
- = *Rebutia sieperdaiana* Buining in Succulenta (Netherlands) 23: 15. 1941 syn. sec. Kew WCVP (2019) ≡ *Rebutia marsoneri* var. *sieperdaiana* (Buining) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* var. *sieperdaiana* (Buining) Backeb., Cactaceae 4: 1546. 1960 syn. sec. Kew WCVP (2019) ≡ *Rebutia marsoneri* f. *sieperdaiana* (Buining) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *iseliniana* Krainz in Schweizer Gart. 1945: 284. 1945 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *iseliniana* (Krainz) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia chrysacantha* var. *iseliniana* (Krainz) Donald ex Šída, Rod Rebutia: 18. 1997 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *elegans* Backeb. ex Krainz in Sukkulantenkunde 1: 21. 1947 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *elegans* (Backeb. ex Krainz) Buining & Donald in Sukkulantenkunde 7-8: 99. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *kesselringiana* Bewer. in Sukkulantenkunde 1: 9. 1947 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *kesselringiana* (Bewer.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia chrysacantha* var. *kesselringiana* (Bewer.) Donald ex Šída, Rod Rebutia: 18. 1997 syn. sec. Kew WCVP (2019)
- = *Rebutia calliantha* Bewer. in Sukkulantenkunde 2: 25. 1948 syn. sec. Hunt (1999) ≡ *Rebutia wessneriana* var. *calliantha* (Bewer.) Krainz, Kakteen 14: C Vc. 1960 syn. sec. Korotkova (2021)
- = *Rebutia krainziana* Kesseler. in Sukkulantenkunde 2: 23. 1948 syn. sec. Hunt (2016) ≡ *Rebutia calliantha* var. *krainziana* (Kesseler.) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia wessneriana* var. *krainziana* (Kesseler.) Buining & Donald in Succulenta (Netherlands) 51: 225. 1972 syn. sec. Kew WCVP (2019)
- = *Rebutia wessneriana* Bewer. in Sukkulantenkunde 2: 24. 1948 syn. sec. Hunt (2016) ≡ *Rebutia krainziana* var. *wessneriana* (Bewer.) Krainz & Haarm., Katal. Zürich Städt. Sukk. Samml., ed. 2: 107. 1967 syn. sec. Tropicos ≡ *Rebutia minuscula* var. *wessneriana* (Bewer.) Eb.Scholz in Informationsbrief Zentr. Arbeitsgem. Echinopseen 20: 9. 1995 syn. sec. Tropicos ≡ *Rebutia minuscula* subsp. *wessneriana* (Bewer.) Muruaga in Darwiniana 46: 326. 2008 syn. sec. Ritz & al. (2007)
- = *Rebutia xanthocarpa* var. *citricarpa* Frič ex Backeb. in Cact. Succ. J. (Los Angeles) 23: 83. 1951 syn. sec. Kew WCVP (2019) ≡ *Rebutia xanthocarpa* f. *citricarpa* (Frič ex Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia xanthocarpa* var. *elegans* Backeb. in Cact. Succ. J. (Los Angeles) 23: 83. 1951 syn. sec. Kew WCVP (2019) ≡ *Rebutia chrysacantha* var. *elegans* (Backeb.) Backeb., Cactaceae 4: 1539. 1960 syn. sec. Kew WCVP (2019)
- = *Rebutia xanthocarpa* var. *luteirosea* Backeb. in Cact. Succ. J. (Los Angeles) 23: 83. 1951 syn. sec. Ritz & al. (2007)
- = *Rebutia xanthocarpa* var. *salmonea* Backeb. in Cact. Succ. J. (Los Angeles) 23: 83. 1951 syn. sec. Kew WCVP (2019) ≡ *Rebutia xanthocarpa* f. *salmonea* (Backeb.) Buining & Donald in Sukkulantenkunde 7-8: 100. 1963 syn. sec. Kew WCVP (2019)
- = *Rebutia senilis* var. *schieliana* Bewer. in Kakteen And. Sukk. 8: 105. 1957 syn. sec. Kew WCVP (2019) ≡ *Rebutia senilis* f. *schieliana* (Bewer.) Donald in Ashingtonia 2: 50. 1975 syn. sec. Kew WCVP (2019) ≡ *Rebutia chrysacantha* var. *schieliana* (Bewer.) Šída, Rod Rebutia: 18. 1997 syn. sec. Kew WCVP (2019)
- = *Rebutia xanthocarpa* var. *coerulescens* Backeb., Descr. Cact. Nov. 1: 31. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Rebutia calliantha* var. *beryllioides* Buining & Donald in Sukkulantenkunde 7-8: 103. 1963 syn. sec. Kew WCVP (2019) ≡ *Rebutia wessneriana* var. *beryllioides* (Buining & Donald) Buining & Donald in Succulenta (Netherlands) 51: 222. 1972 ≡ *Rebutia wessneriana* subsp. *beryllioides* (Buining & Donald) Donald in Ashingtonia 2: 71. 1976
- = *Rebutia kariusiana* Wessner in Kakteen And. Sukk. 14: 149. 1963 syn. sec. Ritz & al. (2007) ≡ *Rebutia calliantha* var. *kariusiana* (Wessner) Buining & Donald in Cact. Succ. J. Gr. Brit. 27: 41. 1965 syn. sec. Kew WCVP (2019) ≡ *Rebutia minuscula* f. *kariusiana* (Wessner) Donald in Ashingtonia 2: 43. 1975 syn. sec. Kew WCVP (2019)
- = *Rebutia wessneriana* var. *permutata* (Heinrich) Buining & Donald in Succulenta (Netherlands) 51: 225. 1972 syn. sec. Kew WCVP (2019) ≡ *Rebutia wessneriana* f. *permutata* (Heinrich) Donald in Ashingtonia 2: 71. 1976 syn. sec. Kew WCVP (2019) – *Rebutia permutata* Heinrich, Descr. Cact. Nov. 3: 13. 1963, nom. inval. syn. sec. Tropicos

- = *Rebutia xanthocarpa* var. *graciliflora* Backeb. ex Šída, Rod Rebutia: 18. 1997 syn. sec. Kew WCVP (2019)
- = *Rebutia australis* Mottram & V.Gapon, Cact. Explor. 16: 38. 2016 syn. sec. Kew WCVP (2019)
- = *Cactus bertini* Markgr. in Horticulture Franç. 5: 222 syn. sec. Britton & Rose (1923)
- = *Rebutia xanthocarpa* f. *graciliflora* (Backeb.) Donald in Ashingtonia 2: 50. 1975 syn. sec. Kew WCVP (2019) – *Rebutia graciliflora* Backeb., Descr. Cact. Nov. 3: 13. 1963, nom. inval. syn. sec. Hunt (1999)
- = *Rebutia wessneriana* var. *gokrausei* (Heinrich) Donald in Ashingtonia 2: 71. 1976 – *Rebutia permutata* f. *gokrausei* Heinrich, Descr. Cact. Nov. 3: 13. 1963, nom. inval. syn. sec. Kew WCVP (2019)
- Rebutia padcayaensis* Rausch in Kakteen And. Sukk. 21: 65. 1970.** Sec. Kiesling & al. (2014)
- = *Rebutia margarethae* Rausch in Kakteen And. Sukk. 23(1): 4. 1972 syn. sec. Kiesling & al. (2014) ≡ *Weingartia margarethae* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 6: 102. 1981 syn. sec. Kiesling & al. (2014)
- = *Rebutia singularis* F.Ritter in Ashingtonia 3(1): 12. 1978 syn. sec. Kiesling & al. (2014)
- Rebutia pulchra* Cárdenas in Cact. Succ. J. (Los Angeles) 42(1): 38–39. 1970.** Sec. Ritz & al. (2007)
- ≡ *Sulcorebutia pulchra* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43(1): 39. 1971 syn. sec. Ritz & al. (2007) ≡ *Weingartia pulchra* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 95. 1978 syn. sec. Ritz & al. (2007) ≡ *Rebutia canigueralii* subsp. *pulchra* (Cárdenas) Donald ex D.R.Hunt in Cactaceae Consensus Init. 3: 6. 1997 syn. sec. Ritz & al. (2007)
- Rebutia ritteri* (Wessner) Buining & Donald in Sukkulantenkunde 7-8: 103. 1963.** Sec. Hunt (2016)
- ≡ *Lobivia ritteri* Wessner in Beitr. Sukkulantenk. Sukkulantenpflege 1938: 3. 1938 ≡ *Digitorebutia ritteri* (Wessner) Buining in Succulenta (Netherlands) 22: 53. 1940 syn. sec. Hunt (2016) ≡ *Mediolobivia ritteri* (Wessner) Krainz in Sukkulantenkunde 1: 19. 1947 ≡ *Mediolobivia euanthema* var. *ritteri* (Wessner) Donald in Cactus (Paris) 40: 39. 1954 syn. sec. Hunt (2016) ≡ *Digitorebutia brachyantha* var. *ritteri* (Wessner) Donald in Natl. Cact. Succ. J. 12: 11. 1957 syn. sec. Kew WCVP (2019) ≡ *Lobivia atrovirens* var. *ritteri* (Wessner) Rausch, Lobivia 85: 13. 1987 ["1985"] ≡ *Aylosteria ritteri* (Wessner) Mosti & Papini in Pakistan J. Bot. 43: 2783. 2011
- = *Mediolobivia ritteri* var. *pilifera* Backeb., Cactaceae 4: 1518. 1960
- = *Digitorebutia raulii* Rausch in Kakteen And. Sukk. 31(6): 171. 1980 syn. sec. Hunt (2016) ≡ *Rebutia raulii* Rausch in Kakteen And. Sukk. 31(6): 171. 1980 syn. sec. Hunt (2016) ≡ *Lobivia atrovirens* var. *raulii* (Rausch) Rausch, Lobivia 85: 13. 1987 ["1985"] ≡ *Aylosteria raulii* (Rausch) Mosti & Papini in Pakistan J. Bot. 43: 2783. 2011 syn. sec. Ritz & al. (2016)
- Rebutia steinbachii* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 268. 1931.** Sec. Kiesling & al. (2014)
- ≡ *Sulcorebutia steinbachii* (Werderm.) Backeb., Cact. Succ. J. Gr. Brit. 13: 103. 1951 syn. sec. Kiesling & al. (2014) ≡ *Weingartia steinbachii* (Werderm.) F.H.Brandt in Kakteen Orch. Rundschau 2: 69. 1977 syn. sec. Ritz & al. (2007)
- = *Rebutia totorensis* Cárdenas in Cactus (Paris) 57: 259–260. 1957 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia totorensis* (Cárdenas) F.Ritter in Natl. Cact. Succ. J. 16(4): 81. 1961 syn. sec. Kiesling & al. (2014) ≡ *Weingartia totorensis* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 4: 69. 1979 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tiraquensis* var. *totorensis* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 782. 2008 syn. sec. Kew WCVP (2019) ≡ *Weingartia tiraquensis* subsp. *totorensis* (Cárdenas) Gertel & J.de Vries, Echinopseen 6: 19. 2009 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia tiraquensis* var. *totorensis* (Cárdenas) K.Augustin & Gertel syn. sec. Ritz & al. (2007)
- = *Lobivia hoffmanniana* Backeb., Cactaceae 3: 1434. 1959 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia hoffmanniana* (Backeb.) Backeb., Kakteenlex.: 415. 1966 syn. sec. Ritz & al. (2007) ≡ *Weingartia hoffmanniana* (Backeb.) F.H.Brandt in Letzeb. Cacteeffren 5(11): 231. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia kruegerae* var. *hoffmanniana* (Backeb.) Donald in Succulenta (Netherlands) 65: 208. 1986 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia lepida* F.Ritter in Natl. Cact. Succ. J. 17(1): 13. 1962 syn. sec. Ritz & al. (2007) ≡ *Weingartia lepida* (F.Ritter) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia totorensis* var. *lepida* (F.Ritter) Pilbeam, Sulcorebutia & Weingartia, Sulcorebutia & Weingartia: Coll. Guide: 91. 1985 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tiraquensis* var. *lepida* (F.Ritter) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 143. 2000 syn. sec. Ritz & al. (2007)
- = *Rebutia glomerispina* Cárdenas in Cact. Succ. J. (Los Angeles) 36: 40. 1964 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia glomerispina* (Cárdenas) Buining & Donald in Cact. Succ. J. Gr. Brit. 27(4): 80. 1965 syn. sec. Ritz & al. (2007) ≡ *Weingartia glomerispina* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 5(2): 18. 1978 syn. sec. Kiesling & al. (2014)
- = *Rebutia steinbachii* var. *rosiflora* Backeb. in Cactus (Paris) 80-81: 5. 1964 syn. sec. Ritz & al. (2007)
- = *Rebutia steinbachii* var. *violaciflora* Backeb. in Cactus (Paris) 80-81: 5–6. 1964, nom. inval. syn. sec. Ritz & al. (2007) – *Sulcorebutia steinbachii* f. *violaciflora* (Backeb.) Šída in Atlas Kaktusu 5: 57. 1991, nom. inval. syn. sec. Ritz & al. (2007)
- = *Rebutia taratensis* Cárdenas in Cact. Succ. J. (Los Angeles) 36(1): 26. 1964 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia taratensis* (Cárdenas) Buining & Donald in Cact. Succ. J. Gr. Brit. 27(3): 57. 1965 syn. sec. Ritz & al. (2007) ≡ *Weingartia taratensis* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 2: 70. 1977 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia verticillacantha* var. *taratensis* (Cárdenas) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 154. 2000 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia steinbachii* var. *taratensis* (Cárdenas) Fritz, Gertel & J.de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Ritz & al. (2007) ≡ *Weingartia steinbachii* var. *taratensis* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 781. 2008 syn. sec. Kew WCVP (2019)

- = *Rebutia tunariensis* Cárdenas in Cact. Succ. J. (Los Angeles) 36(2): 38–40. 1964 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tunariensis* (Cárdenas) Buining & Donald in Cact. Succ. J. Gr. Brit. 27: 80. 1965 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tunariensis* (Cárdenas) Backeb., Kakteenlex.: 417. 1966 syn. sec. Ritz & al. (2007) ≡ *Weingartia tunariensis* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 3: 95. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *tunariensis* (Cárdenas) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 132. 2000 syn. sec. Ritz & al. (2007) ≡ *Weingartia steinbachii* var. *tunariensis* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 780. 2008 syn. sec. Kew WCVP (2019)
- = *Rebutia polymorpha* Cárdenas in Kakteen And. Sukk. 16(6): 115–116. 1965 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia polymorpha* (Cárdenas) Backeb., Kakteenlex.: 416. 1966 syn. sec. Ritz & al. (2007) ≡ *Weingartia polymorpha* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 2: 70. 1977 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *polymorpha* (Cárdenas) Pilbeam, Sulcorebutia & Weingartia, Sulcorebutia & Weingartia: Coll. Guide: 80. 1985 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia steinbachii* subvar. *polymorpha* (Cárdenas) Gertel in Inform.-brief Freundeskreis Echinopseen 22: 26. 1996, nom. illeg. syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* var. *gracilior* Backeb., Kakteenlex.: 416. 1966 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia taratensis* var. *minima* Rausch in Kakteen And. Sukk. 19(6): 112. 1968 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia verticillacantha* var. *minima* (Rausch) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 99. 1985 syn. sec. Ritz & al. (2007) ≡ *Weingartia minima* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 11(1): 1–3. 1986 syn. sec. Kiesling & al. (2014)
- = *Rebutia vizcarrae* Cárdenas in Cact. Succ. J. (Los Angeles) 42(4): 185–188. 1970 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia vizcarrae* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43(1): 40. 1971 syn. sec. Ritz & al. (2007) ≡ *Weingartia vizcarrae* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 9: 55. 1984 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia krahni* Rausch in Kakteen And. Sukk. 21(6): 104. 1970 syn. sec. Ritz & al. (2007) ≡ *Weingartia krahni* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 3: 40. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* subsp. *krahni* (Rausch) Gertel & J.de Vries in Cactus & Co. 11(3): 158. 2007 syn. sec. Ritz & al. (2007) ≡ *Weingartia tiraquensis* var. *krahni* (Rausch) Hentzschel & K.Augustin in Gymnocalycium 21: 782. 2008 ≡ *Weingartia tiraquensis* subsp. *krahni* (Rausch) Gertel & J.de Vries in Echinopseen 6: 20. 2009
- = *Sulcorebutia mizquensis* Rausch in Kakteen And. Sukk. 21(6): 102–103. 1970 syn. sec. Ritz & al. (2007) ≡ *Weingartia mizquensis* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 4: 69. 1979 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia steinbachii* var. *mizquensis* (Rausch) Gertel & J.de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Ritz & al. (2007) ≡ *Weingartia markusii* var. *mizquensis* (Rausch) Hentzschel & K.Augustin in Gymnocalycium 21: 779. 2008 syn. sec. Kew WCVP (2019) ≡ *Weingartia steinbachii* var. *mizquensis* (Rausch) Gertel & J.de Vries in Echinopseen 6: 16. 2009 syn. sec. Kew WCVP (2019)
- = *Rebutia tuberculato-chrysantha* Cárdenas in Cact. Succ. J. (Los Angeles) 43(6): 246, f. 6. 1971 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tuberculato-chrysantha* (Cárdenas) Brederoo & Donald in Succulenta (Netherlands) 52(10): 193. 1973 syn. sec. Ritz & al. (2007) ≡ *Weingartia tuberculato-chrysantha* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Kiesling & al. (2014) ≡ *Rebutia tuberculatochrysantha* Cárdenas in Cact. Succ. J. (Los Angeles) 43: 246. 1971 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia oenantha* Rausch in Succulenta (Netherlands) 50(6): 112. 1971 syn. sec. Ritz & al. (2007) ≡ *Weingartia oenantha* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 4: 69. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* var. *oenantha* (Rausch) Gertel & J.de Vries in Cactus & Co. 11(3): 158. 2007 syn. sec. Ritz & al. (2007) ≡ *Weingartia tiraquensis* var. *oenantha* (Rausch) Gertel & J.de Vries in Echinopseen 6: 19. 2009 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia steinbachii* var. *horrida* Rausch in Kakteen And. Sukk. 24: 193. 1973 syn. sec. Kew WCVP (2019) ≡ *Weingartia steinbachii* var. *horrida* (Rausch) Hentzschel & K.Augustin in Gymnocalycium 21: 781. 2008
- = *Sulcorebutia pampagrandensis* Rausch in Kakteen And. Sukk. 25(5): 97. 1974 syn. sec. Ritz & al. (2007) ≡ *Weingartia pampagrandensis* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 4: 69. 1979 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia oenantha* var. *pampagrandensis* (Rausch) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 113. 2000 syn. sec. Ritz & al. (2007) ≡ *Weingartia tiraquensis* var. *pampagrandensis* (Rausch) Hentzschel & K.Augustin in Gymnocalycium 21: 782. 2008 syn. sec. Kiesling & al. (2014)
- = *Weingartia backebergiana* F.H.Brandt in Kakteen Orch. Rundschau 2(5): 70. 1977 syn. sec. Ritz & al. (2007)
- = *Weingartia aglaia* F.H.Brandt in Cactus (Wijnegem) 10(3): 54–56. 1978 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tiraquensis* var. *aglaia* (F.H.Brandt) Sida in Kaktusy (Brno) 26(1): 19. 1990 syn. sec. Ritz & al. (2007)
- = *Weingartia nigro-fuscata* F.H.Brandt in Cactus (Wijnegem) 10(6): 113–115. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia nigrofuscata* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 66. 1985 syn. sec. Ritz & al. (2007)
- = *Weingartia nigrofuscata* F.H.Brandt in Cactus (Wijnegem) 10: 113. 1978 syn. sec. Kew WCVP (2019)
- = *Weingartia clavata* F.H.Brandt in Kakteen Orch. Rundschau 1985(3): 30. 1985 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia clavata* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia, Sulcorebutia & Weingartia: Coll. Guide: 45. 1985 syn. sec. Ritz & al. (2007)
- = *Weingartia tuberculatochrysantha* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Kew WCVP (2019)
- = *Weingartia totoralensis* F.H.Brandt in Kakteen Orch. Rundschau 1982(3): 33. 1982 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia totoralensis* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 90. 1985 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia cochabambina* Rausch in Succulenta (Netherlands) 64(7–8): 52. 1985 syn. sec. Ritz & al. (2007)
- = *Weingartia ansaldoensis* F.H.Brandt in Kakteen Orch. Rundschau 1985(3): 30. 1985 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia steinbachii* var. *australis* Rausch in Succulenta (Netherlands) 65(11): 240. 1986 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia tiraquensis* var. *australis* (Rausch) Gertel & J.de Vries in Cactus & Co. 11(3): 158. 2007 syn. sec. Ritz & al. (2007) ≡ *Weingartia tiraquensis* var. *australis* (Rausch) Gertel & J.de Vries in Echinopseen 6: 20. 2009 syn. sec. Kew WCVP (2019)

- = *Sulcorebutia vizcarrae* var. *laui* Brederoo & Donald in Succulenta (Netherlands) 65(3): 52. 1986 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia mariana* var. *laui* (Brederoo & Donald) K. Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 102. 2000 syn. sec. Ritz & al. (2007) – *Sulcorebutia tiraquensis* var. *laui* (Brederoo & Donald) Gertel & J. de Vries in Cactus & Co. 11(3): 158. 2007, nom. inval. syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* f. *bicolorispina* Gertel in Kakteen And. Sukk. 47(6): 134. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* subvar. *oenantha* Gertel in Kakteen And. Sukk. 47(6): 139. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* subvar. *pampagrlandensis* Gertel in Kakteen And. Sukk. 47(6): 139. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* subvar. *totorensis* Gertel in Kakteen And. Sukk. 47(6): 139. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* var. *krahnii* Gertel in Kakteen And. Sukk. 47(6): 135. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* var. *lepida* Gertel in Kakteen And. Sukk. 47(6): 134. 1996 syn. sec. Ritz & al. (2007) ≡ *Weingartia tiraquensis* var. *lepida* (F. Ritter) Hentzschel & K. Augustin in Gymnocalycium 21: 782. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia steinbachii* var. *totorensis* Gertel in Kakteen And. Sukk. 47(6): 136. 1996 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia kruegerae* var. *hoffmannii* K. Augustin & Hentzschel, Sulcorebutia Kakteenzw. Boliv. Anden: 89. 2000 syn. sec. Ritz & al. (2007) ≡ *Weingartia steinbachii* var. *hoffmannii* (K. Augustin & Hentzschel) Hentzschel & K. Augustin in Gymnocalycium 21: 780. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia veronikae* Halda, Heřtus & Horáček in Acta Mus. Richnov. 7(2): 74. 2000 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia mariana* var. *prantneri* K. Augustin & Hentzschel in Succulenta (Netherlands) 80(2): 90. 2001 ≡ *Weingartia mariana* var. *prantneri* (K. Augustin & Hentzschel) Hentzschel & K. Augustin in Gymnocalycium 21: 779. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia heinzii* Halda, Heřtus & Horáček in Acta Mus. Richnov. 10(2): 155. 2003 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* var. *hoffmannii* Fritz, Gertel & J. de Vries in Cactus & Co. 8(3): 188. 2004 syn. sec. Ritz & al. (2007)
- = *Sulcorebutia electracantha* Backeb. syn. sec. Tropicos ≡ *Weingartia electracantha* (Backeb.) F. H. Brandt in Kakteen Orch. Rundschau 7: 77. 1982 syn. sec. Tropicos
- = *Sulcorebutia mariana* var. *mariana* syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia steinbachii* var. *rosiflora* Backeb. syn. sec. Ritz & al. (2007)
- = *Sulcorebutia steinbachii* var. *steinbachii* syn. sec. Kiesling & al. (2014)

***Rebutia steinbachii* subsp. *steinbachii*.** Sec. Kiesling & al. (2014)

***Rebutia steinbachii* subsp. *verticillacantha* (F. Ritter) Donald ex D.R. Hunt in Cactaceae Consensus Init. 3: 6. 1997.** Sec. Kiesling & al. (2014)

- ≡ *Sulcorebutia verticillacantha* F. Ritter in Natl. Cact. Succ. J. 17(1): 13. 1962 syn. sec. Kiesling & al. (2014) ≡ *Weingartia verticillacantha* (F. Ritter) F. H. Brandt in Kakteen Orch. Rundschau 2: 70. 1977 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* subsp. *verticillacantha* (F. Ritter) Fritz, Gertel & J. de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *verticillacantha* (F. Ritter) Fritz, Gertel & J. de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia steinbachii* subsp. *verticillacantha* (F. Ritter) Hentzschel & K. Augustin in Gymnocalycium 21: 781. 2008

***Reicheocactus* Backeb. in Cactaceae (Berlin) 1941(2): 76. 1942.** Sec. Hunt (2016)

Type: *Reicheocactus pseudoreicheanus* Backeb.

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Reicheocactus bonnieae* (Halda, Hogan & Janeba) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Lobivia bonnieae* Halda, Hogan & Janeba, Acta Mus. Richnov., Sect. Nat. 6(3): 235–236. 1999 syn. sec. Schlumpberger (2012) ≡ *Echinopsis bonnieae* (Halda, Hogan & Janeba) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 9(1): 57. 2002

***Reicheocactus famatinensis* (Speg.) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2021)

- ≡ *Echinocactus famatinensis* Speg. in Anales Soc. Ci. Argent. 92: 118, fig. 9. 1921 syn. sec. Schlumpberger (2012) ≡ *Lobivia famatinensis* (Speg.) Britton & Rose, Cactaceae 4: 286. 1923 syn. sec. Korotkova (2021) ≡ *Rebutia famatinensis* Speg. ex Hosseus, Revista Centro Estud. Farm. reimpr. 2(6): 21. 1926 ≡ *Echinopsis famatinensis* (Speg.) Werderm. in Gartenflora 80: 301. 1931
- = *Lobivia pectinifera* var. *aurantiaca* Wessner in Kakteenkunde 1940: 15. 1940 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *aurantiaca* (Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *aurantiaca* (Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963 – *Lobivia famatinensis* var. *aurantiaca* Backeb., Kaktus-ABC: 238. 1936 ["1935"], nom. inval. syn. sec. Kew WCVP (2019)
- = *Lobivia pectinifera* var. *cinnabarina* Backeb. ex Wessner in Kakteenkunde 1940: 15. 1940 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *cinnabarina* (Backeb. ex Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *cinnabarina* (Backeb. ex Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963 – *Lobivia famatinensis* var. *cinnabarina* Backeb., Kaktus-ABC: 238. 1936 ["1935"], nom. inval. syn. sec. Kew WCVP (2019)
- = *Lobivia pectinifera* var. *citriflora* Wessner in Kakteenkunde 1940: 15. 1940 syn. sec. Kew WCVP (2019) ≡ *Lobivia famatinensis* var. *citriflora* (Wessner) Krainz in Sukkulentenkunde 3: 45. 1949 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *citriflora* (Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *citriflora* (Wessner) Buining in Sukkulentenkunde 7-8: 96. 1963

- = *Lobivia pectinifera* var. *eburnea* Wessner in Kakteenkunde 1940: 15. 1940 syn. sec. Kew WCVP (2019) ≡ *Lobivia famatimensis* var. *eburnea* (Wessner) Krainz in Sukkulantenkunde 3: 45. 1949 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *eburnea* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. WFO 2019 ≡ *Lobivia densispina* f. *eburnea* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963
- = *Lobivia pectinifera* var. *subcarnea* Wessner in Kakteenkunde 1940: 16. 1940 ≡ *Lobivia famatimensis* var. *subcarnea* (Wessner) Krainz in Sukkulantenkunde 3: 45. 1949 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *subcarnea* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. TPL (2013) ≡ *Lobivia densispina* f. *subcarnea* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963
- = *Lobivia pectinifera* var. *sufflava* Wessner in Kakteenkunde 1940: 15. 1940 syn. sec. Kew WCVP (2019) ≡ *Lobivia famatimensis* var. *sufflava* (Wessner) Krainz in Sukkulantenkunde 3: 45. 1949 syn. sec. Kew WCVP (2019) ≡ *Echinopsis densispina* f. *sufflava* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. Kew WCVP (2019) ≡ *Lobivia densispina* f. *sufflava* (Wessner) Buining in Sukkulantenkunde 7-8: 96. 1963 syn. sec. Kew WCVP (2019)
- = *Reicheocactus pseudoreicheanus* Backeb. in Cactaceae (Berlin) 1941(2): 78. 1942 syn. sec. Kew WCVP (2019)
- = *Lobivia famatimensis* var. *sanjuanensis* Rausch in Kakteen And. Sukk. 28: 75. 1977 ≡ *Rebutia famatimensis* var. *sanjuanensis* (Rausch) Šída, Rod Rebutia: 29. 1997 syn. sec. Schlumpberger (2021)
- = *Lobivia famatimensis* var. *jachalensis* Rausch in Kakteen And. Sukk. 28: 289. 1977 syn. sec. Schlumpberger (2021) – *Rebutia famatimensis* var. *jachalensis* (Rausch) Šída, Rod Rebutia: 29. 1997, nom. inval. syn. sec. Schlumpberger (2021)

***Rhipsalidopsis* Britton & Rose, Cactaceae 4: 209. 1923. Sec. Korotkova & al. (2011)**

Type: *Rhipsalidopsis rosea* (Lagerh.) Britton & Rose

≡ *Hattoria* subg. *Rhipsalidopsis* (Britton & Rose) Barthlott in Bradleya 5: 100. 1987 syn. sec. Korotkova & al. (2011)

= *Epiphyllopsis* A. Berger, Kakteen: 341. 1929 syn. sec. Korotkova (2021)

– *Epiphyllopsis* Backeb. & F.M.Knuth, Kaktus-ABC: 158. 1936 ["1935"], nom. inval. syn. sec. TPL (2013)

= ×*Rhipsaphyllopsis* Werderm. in Kakteenkunde 3: 11. 1939 syn. sec. Barthlott & Taylor (1995)

Notes. – **Phylogenetics:** As explained under *Hattoria*, the inclusion of *Rhipsalidopsis* in *Hattoria* is not supported by recent molecular phylogenies. Calvente & al. (2011) found the two traditional *Rhipsalidopsis* species (*R. gaertneri* (Regel) Moran, *R. rosea*) are sister to *Schlumbergera*, but with moderate support. Korotkova & al. (2011), however, found *Schlumbergera*, *Hattoria* s.str. and *Rhipsalidopsis* to form a grade, and even though support for this topology is also moderate, support for the monophyly of the three genera is maximal, therefore *Rhipsalidopsis* (Easter cacti) is best kept separate from *Schlumbergera* (Christmas cacti). [Hernández-Ledesma & al. (2015)]

***Rhipsalidopsis gaertneri* (Regel) Linding. in Beih. Bot. Centralbl. 61A: 378. 1942. Sec. Korotkova & al. (2011)**

≡ *Epiphyllum russellianum* var. *gaertneri* Regel, Gartenflora 33: 323. 1884 syn. sec. Korotkova (2021) ≡ *Epiphyllum gaertneri*

K.Schum., Fl. Bras. 4(2): 218. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Phyllocactus gaertneri* (Regel) K.Schum.,

Sukkulanten: 147. 1892 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera gaertneri* (Regel) Britton & Rose in Contr. U.S.

Natl. Herb. 16: 260. 1913 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis gaertneri* (Regel) Vaupel, Nat. Pflanzenfam., ed. 2,

21: 619. 1925 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllopsis gaertneri* (Regel) A. Berger ex Backeb. & F.M.Knuth,

Kaktus-ABC: 158. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalidopsis gaertneri* (Regel) Moran in Gentes

Herbarum 8: 339. 1953 syn. sec. Korotkova & al. (2011) ≡ *Hattoria gaertneri* (Regel) Barthlott in Bradleya 5: 100. 1987

= *Epiphyllum makoyanum* W. Watson in Gard. and Forest 2: 243. 1889 syn. sec. Britton & Rose (1923)

= *Rhipsalidopsis serrata* Linding. in clavi, sine descr. lat syn. sec. Barthlott & Taylor 1995 in Beih. Bot. Centralbl. 61(3): 379.

1942 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllopsis gaertneri* var. *serrata* (Lindgr.) Backeb., Cactaceae 2: 724. 1959 syn.

sec. Korotkova (2021) – *Hattoria gaertneri* f. *serrata* (Linding.) Süplie, Rhipsalidinae: 63. 1990, nom. inval. syn. sec.

Anderson (2005)

= *Epiphyllopsis gaertneri* var. *tiburtii* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 149. 1949 ≡ *Rhipsalidopsis gaertneri*

var. *tiburtii* (Backeb. & Voll) Moran in Gentes Herbarum 8(4): 342. 1953 syn. sec. Anderson (2005)

***Rhipsalidopsis* ×*graeseri* (Werderm.) P.V.Heath in Calyx 3: 31. 1993. Sec. Korotkova & al. (2011)**

≡ *Hattoria* ×*graeseri* (Werderm.) Barthlott ex D.R.Hunt in Bradleya 10: 25. 1992 ≡ *Rhipsaphyllopsis graeseri* Werderm. in

Kakteenkunde 3: 10. 1939 ≡ *Schlumbergera* ×*graeseri* (Barthlott ex D.R.Hunt) D.R.Hunt in Cactaceae Syst. Init. 34: 19. 2016

– *Rhipsalis* ×*graeseri* Werderm. in Kakteenkunde 1: 10. 1939, nom. inval. – *Rhipsaphyllopsis* ×*graeseri* Werderm. in

Kakteenkunde 3: 10. 1939, nom. inval. – *Rhipsalidopsis* ×*graeseri* (Werderm.) Moran in Gentes Herbarum 8: 342. 1953, nom.

inval. – *Hattoria* ×*graeseri* (Werderm.) Barthlott in Bradleya 5: 100. 1987, nom. inval.

***Rhipsalidopsis rosea* (Lagerh.) Britton & Rose, Cactaceae 4: 209. 1923. Sec. Korotkova & al. (2011)**

≡ *Rhipsalis rosea* Lagerh. in Svensk Bot. Tidskr. 6: 717, pl. 28. 1912 syn. sec. Britton & Rose (1923) ≡ *Hattoria rosea* (Lagerh.)

Barthlott in Bradleya 5: 100. 1987 syn. sec. Korotkova & al. (2011) ≡ *Schlumbergera rosea* (Lagerh.) Calvente & Zappi in

Molec. Phylogen. Evol. 58: 467. 2011 syn. sec. Korotkova (2021)

= *Rhipsalidopsis rosea* var. *riograndensis* Prestlé in Succulenta (Netherlands) 70: 107. 1991 syn. sec. Kew WCVP (2019)

– *Rhipsalidopsis rosea* var. *remanens* Backeb., Cactaceae 6: 3646. 1962, nom. inval. syn. sec. Anderson (2005) – *Hattoria rosea*

f. *remanens* (Backeb.) Süplie, Rhipsalidinae: 64. 1990, nom. inval. syn. sec. Anderson (2005)

***Rhipsalis* Gaertn., Fruct. Sem. Pl. 1: 137. 1788, nom. cons. Sec. Korotkova (2021)**

Type: *Rhipsalis cassutha* Gaertn.

= *Cassytha* Mill., Gard. Dict., ed. 8: s.p. 1768, nom. illeg.

- = *Erythrorhopsis* A.Berger in Monatschr. Kakteenk. 30: 4. 1920 syn. sec. Hunt (2006). Type: *Erythrorhopsis pilocarpa* (Loefgr.) A.Berger
 = *Hylorhopsis* Doweld in Sukkulenty 4(1-2): 37. 2002 ["2001"] syn. sec. Korotkova (2021). Type: *Hylorhopsis pentaptera* (Pfeiff. ex A.Dietr.) Doweld
 – *Hariota* Adans., Fam. Pl. 2: 243, 520. 1763, nom. rej. syn. sec. Index Nominum Genericorum

Notes. – **Phylogenetics:** The circumscription of *Rhopsisalis* - one of the oldest genera of the family - has changed repeatedly over time, and often *Hatiota*, *Pseudorhopsisalis* and *Lepismium*, all now accepted at generic rank, were variously subsumed under *Rhopsisalis*. The morphology-based circumscription of *Rhopsisalis* by Barthlott & Taylor (1995) has been entirely confirmed as monophyletic with maximal support in the molecular phylogenetic study of Korotkova & al. (2011); the same result was shown by Calvente & al. (2011b), though with a less comprehensive sampling.

Rhopsisalis is notable since *R. baccifera* (Sol.) Stearn is the only species of the family that naturally occurs outside the New World. [Hernández-Ledesma & al. (2015)]

***Rhopsisalis agudoensis* N.P.Taylor in Cactaceae Syst. Init. 16: 12. 2003.** Sec. Korotkova & al. (2011)

***Rhopsisalis aurea* M.F.Freitas & J.M.A.Braga in Syst. Bot. 34(3): 505-509, figs. 1-3. 2009.** Sec. de Fatima Freitas & al. (2009)

***Rhopsisalis baccifera* (Sol. ex J.S.Muell.) Stearn in Cact. J. (Croydon) 7(4): 107. 1939.** Sec. Korotkova & al. (2011)

≡ *Cassytha baccifera* Sol. ex J.S.Muell., Ill. Syst. Sex. Linnaei: classis 9, ordo 1, t. 29. 1771, nom. cons. prop. syn. sec. Barthlott & Taylor (1995)

= *Cactus parasiticus* L., Syst. Nat., ed. 10, 2: 1054, no. 12A. 1759, nom. rej. prop. syn. sec. Taylor & Zappi (2020) ≡ *Rhopsisalis parasitica* (L.) Haw., Syn. Pl. Succ.: 187. 1812 syn. sec. Taylor & Zappi (2020)

= *Cactus parasiticus* Lam., Encycl. 1(2): 541. 1785 ≡ *Rhopsisalis parasiticus* (Lam.) Haw., Syn. Pl. Succ.: 187. 1812

= *Cactus epidendrum* L., Amoen. Acad., Schreb., ed. 8: 257. 1787 syn. sec. Kew WCVP (2019)

= *Cactus pendulus* Sw., Prodr.: 77. 1788 syn. sec. Kew WCVP (2019) ≡ *Rhopsisalis pendula* (Sw.) Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 432. 1827 syn. sec. Barthlott & Taylor (1995) ≡ *Rhopsisalis cassytha* var.

pendula (Sw.) Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 134. 1837 syn. sec. Kew WCVP (2019)

= *Cactus quadrangularis* Haw., Syn. Pl. Succ.: 181. 1812 syn. sec. Kew WCVP (2019)

= *Cactus fasciculatus* Willd., Enum. Pl., Suppl.: 33. 1814 ≡ *Rhopsisalis fasciculata* (Willd.) Haw., Suppl. Pl. Succ.: 83. 1819 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota fasciculata* (Willd.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Korotkova (2021)

≡ *Rhopsisalis baccifera* subsp. *fasciculata* (Willd.) Süplie in Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl. 9: 136. 1996 syn. sec. Korotkova (2021)

= *Cactus caripensis* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 66. 1823 syn. sec. Barthlott & Taylor (1995) ≡ *Cereus caripensis* (Kunth) DC., Prodr. 3: 467. 1828 syn. sec. Kew WCVP (2019) ≡ *Rhopsisalis caripensis* (Kunth) F.A.C.Weber in Schumann, Gesamtbeschr. Kakt.: 622. 1899 syn. sec. Barthlott & Taylor (1995)

= *Rhopsisalis cassytha* var. *mocinoana* DC., Prodr. 3: 476. 1828 syn. sec. Kew WCVP (2019)

= *Rhopsisalis cassytha* var. *swartziana* DC. in Mém. Mus. Hist. Nat. 17: 80. 1828 syn. sec. Kew WCVP (2019)

= *Cereus baccifer* Hook. in Bot. Mag. 58: t. 3080. 1831 syn. sec. Kew WCVP (2019)

= *Rhopsisalis pendula* Pfeiff., Enum. Diagn. Cact.: 133. 1837 syn. sec. Britton & Rose (1923)

= *Cereus parasiticus* Haw. ex Steud., Nomencl. Bot., ed. 2, 1: 335. 1840 syn. sec. Kew WCVP (2019)

= *Cereus baccifer* Hemsl., Biol. Cent.-Amer., Bot. 1: 548. 1880, in syn. sec. Korotkova (2021)

= *Rhopsisalis cassytha* var. *rhodocarpa* F.A.C.Weber, Dict. Hort. 2: 1046. 1898 syn. sec. Kew WCVP (2019) ≡ *Rhopsisalis baccifera* subsp. *rhodocarpa* (F.A.C.Weber) Süplie, Rhipsalidinae: 27. 1990 syn. sec. Korotkova (2021)

= *Rhopsisalis madagascariensis* var. *dasyerca* F.A.C.Weber, Lamb Collect. Cact.: 73. 1908 syn. sec. Britton & Rose (1923)

= *Rhopsisalis cassythopsis* Backeb., Cactaceae 2: 660. 1959 syn. sec. Kew WCVP (2019)

= *Rhopsisalis neocassutha* Y.Itô, Cactaceae: 103. 1981 syn. sec. Barthlott & Taylor (1995)

– *Cactus garipensis* Kunth, Syn. Pl. 3: 370. 1824 syn. sec. Britton & Rose (1923) [is misspelling for *Cactus caripensis* Kunth]

– *Rhopsisalis delphinensis* Barthlott, Inaug.-Dissert.: 76. 1973, nom. provis.

= *Rhopsisalis cassutha* Gaertn., Fruct. Sem. Pl. 1: 137, t. 28. 1788 syn. sec. Barthlott & Taylor (1995) – *Cassytha polysperma* Aiton ex Gaertn., Fruct. Sem. Pl. 1: 137. 1788, nom. inval. syn. sec. IPNI – *Rhopsisalis cassytha* Gaertn., Fruct. Sem. Pl. 1: 137. t. 28. 1788, nom. inval. syn. sec. Barthlott & Taylor (1995)

– *Cactus pendulinus* Sieber ex DC., Prodr. 3: 476. 1828, nom. inval. – *Cactus pendulinus* Sieber ex Baker, Fl. Mauritius: 133. 1877, nom. inval.

Notes. – Mottram & Hoxey (2020) have recently pointed out that *Rhopsisalis parasitica* (L.) Haw. (≡ *Cactus parasiticus* L.) has priority over *Rhopsisalis baccifera* (Sol. ex J.S.Muell.) Stearn. However, *Rhopsisalis parasitica* has hitherto never been in use, while *Rhopsisalis baccifera* is a well-established name that has been very frequently used throughout the literature. Therefore, *Rhopsisalis baccifera* / *Cassytha baccifera* Sol. ex J.S.Muell. is proposed for conservation against *Cactus parasiticus* (Taylor & Zappi 2020). [Korotkova (2021)]

***Rhopsisalis baccifera* subsp. *baccifera*.** Sec. Korotkova & al. (2011)

= *Cassytha filiformis* Mill., Gard. Dict., ed. 8: CAS. 1768 syn. sec. Britton & Rose (1923)

= *Cactus cassythoides* Moc. & Sessé ex DC., Prodr. 3: 476. 1828 ≡ *Rhopsisalis cassythoides* (Moc. & Sessé ex DC.) G.Don, Gen. Hist. 3: 176. 1834 syn. sec. Britton & Rose (1923)

= *Rhopsisalis cassytha* var. *dichotoma* DC., Prodr. 3: 476. 1828 syn. sec. Korotkova (2021) ≡ *Rhopsisalis dichotoma* (DC.) Don, Gen. Hist. 3: 176. 1834 syn. sec. Barthlott & Taylor (1995)

= *Rhopsisalis cassytha* var. *hookeriana* DC., Prodr. 3: 476. 1828 syn. sec. Britton & Rose (1923) ≡ *Rhopsisalis hookeriana* (DC.) Don, Gen. Hist. 3: 176. 1834 syn. sec. Barthlott & Taylor (1995)

= *Rhopsisalis parasitica* DC., Prodr. 3: 476. 1828 syn. sec. Barthlott & Taylor (1995)

- = *Rhipsalis undulata* Pfeiff., Enum. Diagn. Cact.: 136. 1837 syn. sec. Barthlott & Taylor (1995)
 = *Hariota cassytha* Lem., Cact. Gen. Sp. Nov.: 75. 1839 syn. sec. Britton & Rose (1923)
 = *Hariota cassytha* Cels ex C.F.Först., Handb. Cacteenk.: 458. 1846 syn. sec. WFO 2019
 = *Rhipsalis minutiflora* K.Schum., Fl. Bras. 4(2): 271. 1890 syn. sec. Barthlott & Taylor (1995)
 = *Hariota parasitica* Kuntze, Revis. Gen. Pl. 1: 262. 1891
 = *Rhipsalis cassythoides* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 40. 1918 syn. sec. Britton & Rose (1923)
 = *Rhipsalis bartlettii* Clover in Bull. Torrey Bot. Club 65(8): 567, 570, f. 6–7. 1938 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis heptagona* Rauh & Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis cassuthopsis* Backeb., Cactaceae 2: 660. 1959 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis hylaea* F.Ritter, Kakteen Südamerika 4: 1261. 1981 syn. sec. Barthlott & Taylor (1995)
***Rhipsalis baccifera* subsp. *cleistogama* M.Kessler, Ibisch & Barthlott in Bradleya 18: 22. 2000.** Sec. Ibisch & al. (2000)
***Rhipsalis baccifera* subsp. *erythrocarpa* (K.Schum.) Barthlott in Bradleya 5: 100. 1987.** Sec. Barthlott & Taylor (1995)
 ≡ *Rhipsalis erythrocarpa* K.Schum., Pflanzenw. Ost-Afrikas C: 282. 1895 syn. sec. Barthlott & Taylor (1995)
***Rhipsalis baccifera* subsp. *horrida* (Baker) Barthlott in Bradleya 5: 100. 1987.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis horrida* Baker in J. Linn. Soc., Bot. 21: 347. 1884 syn. sec. Barthlott (1987) ≡ *Hariota horrida* Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis pilosa* F.A.C.Weber ex K.Schum., Fl. Bras. 4(2): 300. 1890 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis madagascariensis* F.A.C.Weber in Rev. Hort. (Paris) 64: 424. 1892 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis suareziana* F.A.C.Weber in Rev. Hort. (Paris) 64: 425. 1892 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis coralloides* Rauh in Backeberg, Cactaceae 6: 3634. 1962 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis saxicola* Rauh, Graf, Exotica: 580. 1963 syn. sec. Barthlott & Taylor (1995)
***Rhipsalis baccifera* subsp. *mauritiana* (DC.) Barthlott in Bradleya 5: 100. 1987.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis cassytha* var. *mauritiana* DC., Prodr. 3: 476. 1828 syn. sec. Barthlott (1987) ≡ *Rhipsalis mauritiana* (DC.) Barthlott, Inaug.-Dissert.: 80. 1973 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis aethiopica* Welw. in J. Proc. Linn. Soc., Bot. 3: 152. 1859 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis comorensis* F.A.C.Weber in Rev. Hort. (Paris) 64: 424. 1892 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis zanzibarica* F.A.C.Weber in Rev. Hort. (Paris) 64: 425. 1892 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis baccifera* f. *zanzibarica* (F.A.C.Weber) P.V.Heath in Calyx 4: 124. 1994 syn. sec. Korotkova (2021) – *Rhipsalis sansibarica* F.A.C.Weber in Rev. Hort. (Paris) 64: 425. 1892 syn. sec. Barthlott & Taylor (1995) [is orthographic variant for *Rhipsalis zanzibarica* F.A.C.Weber]
 = *Rhipsalis guineensis* A.Chev., Explor. Bot. Afrique Occ. Franc. I: 299. 1920 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis pendulina* A.Berger in Mitt. f. Kaktfr. 30(1): 1. 1920 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis mauritiana* var. *ellipticarpa* Barthlott, Inaug.-Dissert.: 80. 1973 syn. sec. Korotkova (2021)
 – *Rhipsalis baccifera* subsp. *fortdauphinensis* Süpple in Brit. Cact. Succ. J. 14: 90. 1996, nom. inval. syn. sec. Kew WCVP (2019)
***Rhipsalis barthlottii* Ralf Bauer & N.Korotkova in Kakteen And. Sukk. 67(11): 282. 2016.** Sec. Bauer & Korotkova (2016)
***Rhipsalis burchellii* Britton & Rose, Cactaceae 4: 225. 1923.** Sec. Korotkova & al. (2011)
 ≡ *Erythrorhipsalis burchellii* (Britton & Rose) Volgin in Vestn. Moskovsk. Univ., Ser. 16, Biol. 36(3): 19. 1981 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis cribrata* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 81. pl. 10. 1915 syn. sec. Britton & Rose (1923)
***Rhipsalis campos-portoana* Loefgr., Arch. Jard. Bot. Rio de Janeiro 2: 35-36, t. 7. 1918.** Sec. Korotkova & al. (2011)
 ≡ *Erythrorhipsalis campos-portoana* (Loefgr.) Volgin in Vestn. Moskovsk. Univ., Ser. 16, Biol. 36(3): 19. 1981 syn. sec. Barthlott & Taylor (1995)
 = *Hariota cribrata* Lem. in Ill. Hort. 4(Misc.): 12. 1857 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis cribrata* (Lem.) Rümpler, Handb. Cacteenk., ed. 2: 889. 1885 syn. sec. Barthlott & Taylor (1995) ≡ *Erythrorhipsalis cribrata* (Lem.) Volgin in Vestn. Moskovsk. Univ., Ser. 16, Biol. 36(3): 19. 1981 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis cribrata* var. *filiformis* Engelhar in Deutsche Gärt.-Zeitung 18: 585. 1903 syn. sec. Britton & Rose (1923)
***Rhipsalis cereoides* (Backeb. & Voll) Backeb. in Kakteen Pflanzen Samen. 1927–1937.** Sec. Korotkova & al. (2011)
 ≡ *Lepismium cereoides* Backeb. & Voll in Backeberg & Knuth, Kaktus-ABC: 411. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis cereoides* (Backeb. & Voll) A.Cast. in Anais Reunião Sul-Amer. Bot. 3: 12. 1940
***Rhipsalis cereuscula* Haw. in Philos. Mag. Ann. Chem. 7: 112. 1830.** Sec. Korotkova & al. (2011)
 ≡ *Hariota cereuscula* (Haw.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Erythrorhipsalis cereuscula* (Haw.) Volgin in Vestn. Moskovsk. Univ., Ser. 16, Biol. 36(3): 19. 1981 syn. sec. Barthlott & Taylor (1995)
 = *Hariota saglionis* Lem., Cact. Aliq. Nov.: 39. 1838 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis saglionis* (Lem.) Otto ex Walp. in Repert. Bot. Syst. 2: 936. 1843 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis brachiata* Hook. in Bot. Mag. 69: t. 4039. 1843 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis penduliflora* N.E.Br. in Gard. Chron., n.s. 7: 716. 1877 syn. sec. Britton & Rose (1923) ≡ *Hariota penduliflora* (N.E.Br.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Britton & Rose (1923)
 = *Rhipsalis simmleri* Beauverd in Bull. Herb. Boissier, sér. 2, 7(2): 136-137. 1907 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis saglionis* var. *rubrodisca* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 80. 1915 syn. sec. Britton & Rose (1923) ≡ *Rhipsalis cereuscula* var. *rubrodisca* (Loefgr.) Castell. in Anais Reunião Sul-Amer. Bot. 3: 12. 1940 syn. sec. Korotkova (2021)

***Rhipsalis clavata* F.A.C.Weber in Rev. Hort. (Paris) 64: 429. 1892.** Sec. Korotkova & al. (2011)

≡ *Hariota clavata* F.A.C.Weber ex Britton & Rose, Cactaceae 4: 224. 1923 syn. sec. Britton & Rose (1923) ≡ *Hatoriata clavata* (F.A.C.Weber) Moran in Gentes Herbarum 8: 343. 1953 syn. sec. Barthlott & Taylor (1995) ≡ *Erythrorhipsalis clavata* (F.A.C.Weber) Doweld in Sukkulenty 4(1-2): 29. 2002 ["2001"] syn. sec. Korotkova (2021)

***Rhipsalis clavata* f. *clavata*.** Sec. Korotkova & al. (2011)

***Rhipsalis clavata* f. *delicatula* (Loefgr.) Barthlott & N.P.Taylor in Bradleya 13: 72. 1995.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis clavata* var. *delicatula* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 45. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota bambusoides* var. *delicatula* (Loefgr.) A.Cast. in Anais Reunião Sul-Amer. Bot. 3: 7. 1940 ["1938"] syn. sec.

Korotkova (2021) ≡ *Hariota clavata* var. *deliculata* (Loefgr.) A.Cast. in Vellozia 1: 77. 1962 syn. sec. Korotkova (2021) ≡ *Erythrorhipsalis clavata* subsp. *delicatula* (Loefgr.) Doweld in Sukkulenty 4: 31. 2002 ["2001"] syn. sec. Korotkova (2021)

***Rhipsalis crispata* (Haw.) Pfeiff., Enum. Diagn. Cact.: 130. 1837.** Sec. Korotkova & al. (2011)

≡ *Epiphyllum crispatum* Haw. in Philos. Mag. Ann. Chem. 7: 111. 1830 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota crispata* (Haw.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Cereus crispatus* (Haw.) Pfeiff. ex

K.Schum., Gesamtbeschr. Kakt.: 638. 1898 syn. sec. Tropicos

= *Cactus torquatus* Walp., Repert. Bot. Syst. 2: 342. 1843 syn. sec. Kew WCV (2019)

= *Rhipsalis crista* C.F.Först., Handb. Cacteenk.: 450. 1846 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis rhombea* var. *crispata* K.Schum., Gesamtbeschr. Kakt.: 638. 1898 syn. sec. Britton & Rose (1923)

***Rhipsalis cuneata* Britton & Rose, Cactaceae 4: 246. 1923.** Sec. Korotkova & al. (2011)

***Rhipsalis cuneata* subsp. *australis* Ralf Bauer in EPIG 62: 26. 2008.** Sec. Bauer (2008)

Rhipsalis cuneata* subsp. *cuneata

***Rhipsalis dissimilis* (G.Lindb.) K.Schum., Fl. Bras. 4(2): 286. 1890.** Sec. Korotkova & al. (2011)

≡ *Lepismium dissimile* G.Lindb. in Gartenflora 39: 148. 1890 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis rugulosa* Lem. in Ill. Hort. 8: sub t. 293. 1861 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota rugulosa* (Lem.) Kuntze,

Revis. Gen. Pl. 1: 263. 1891 [as "*rugosa*"] syn. sec. Barthlott & Taylor (1995) ≡ *Hylorhipsalis rugulosa* (Lem.) Doweld in

Sukkulenty 4(1-2): 38. 2002 ["2001"] syn. sec. Korotkova (2021) ≡ *Hariota rugosa* (Lem.) Kuntze, Revis. Gen. Pl. 1: 263.

1891 syn. sec. Britton & Rose (1923)

= *Rhipsalis dissimilis* var. *setulosa* F.A.C.Weber in Rev. Hort. (Paris) 64: 428. 1892 syn. sec. Kew WCV (2019) ≡ *Rhipsalis setulosa* (F.A.C.Weber) F.A.C.Weber in Monatsschr. Kakteenk. 3: 24. 1893 syn. sec. Britton & Rose (1923)

= *Rhipsalis chrysantha* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 99. 1915 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium chrysanthum* (Loefgr.) Backeb., Cactaceae 2: 694. 1959 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis rigida* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 1: 93. 1915 syn. sec. Tropicos ≡ *Lepismium rigidum* (Loefgr.)

Backeb., Cactaceae 2: 695. 1959 syn. sec. Barthlott & Taylor (1995)

= *Lepismium marnierianum* Backeb., Descr. Cact. Nov. 3: 7. 1963 syn. sec. Barthlott & Taylor (1995)

= *Lepismium saxatile* H.Friedrich, Redecker & Backeb. in Natl. Cact. Succ. J. 10: 57. 1965 syn. sec. Barthlott & Taylor (1995) ≡

Rhipsalis saxatile (H.Friedrich, Redecker & Backeb.) H.Friedrich & Redecker in Kakteen And. Sukk. 25: 170. 1974 syn. sec.

Barthlott & Taylor (1995)

= *Rhipsalis saxatile* Friedrich & Redecker ex G.D.Rowley in Repert. Pl. Succ. 25: 13. 1976 ["1974"] syn. sec. Barthlott & Taylor (1995)

***Rhipsalis dissimilis* f. *dissimilis*.** Sec. Korotkova & al. (2011)

= *Rhipsalis spinescens* Lombardi in Acta Bot. Brasil. 5(2): 71-73. 1991 syn. sec. Barthlott & Taylor (1995)

***Rhipsalis dissimilis* f. *epiphyllanthoides* (Backeb.) Barthlott & N.P.Taylor in Bradleya 13: 54. 1995.** Sec. Korotkova & al. (2011)

≡ *Lepismium epiphyllanthoides* Backeb. in Cact. Succ. J. (Los Angeles) 23: 16. 1951 ≡ *Rhipsalis epiphyllanthoides* Backeb. in

Cact. Succ. J. (Los Angeles) 23: 16. 1951 ≡ *Hylorhipsalis rugulosa* subsp. *epiphyllanthoides* (Backeb.) Doweld in Sukkulenty

4: 38. 2002 ["2001"]

***Rhipsalis elliptica* G.Lindb. ex K.Schum., Fl. Bras. 4(2): 293. 1890.** Sec. Korotkova & al. (2011)

= *Rhipsalis chloroptera* F.A.C.Weber in Bois, Dict. Hort.: 1045. 1898 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis elliptica* var. *helicoidea* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 44. 1918 syn. sec. Britton & Rose (1923)

***Rhipsalis ewaldiana* Barthlott & N.P.Taylor in Bradleya 13: 66. 1995.** Sec. Korotkova & al. (2011)

***Rhipsalis flagelliformis* N.P.Taylor & Zappi in Bradleya 32: 4. 2014.** Sec. Taylor & al. (2014)

***Rhipsalis floccosa* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 134. 1837.** Sec. Korotkova & al. (2011)

≡ *Hariota floccosa* (Salm-Dyck ex Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 75. 1839 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota*

floccosa (Salm-Dyck ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium*

floccosum (Salm-Dyck ex Pfeiff.) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡

Hylorhipsalis floccosa (Salm-Dyck ex Pfeiff.) Doweld in Sukkulenty 4(1-2): 37. 2002 ["2001"] syn. sec. Korotkova (2021) –

Hatoriata floccosa (Salm-Dyck ex Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 75. 1839 syn. sec. TPL (2013) [is misspelling for *Hariota*

floccosa (Salm-Dyck ex Pfeiff.) Lem.]

= *Hariota floccosa* Cels ex C.F.Först., Handb. Cacteenk.: 457. 1846, pro syn. syn. sec. Barthlott & Taylor (1995)

***Rhipsalis floccosa* subsp. *floccosa*.** Sec. Korotkova & al. (2011)

***Rhipsalis floccosa* subsp. *hohenauensis* (F.Ritter) Barthlott & N.P.Taylor in Bradleya 13: 57. 1995.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis hohenauensis* F.Ritter, Kakteen Südamerika 1: 248. 1979 syn. sec. Barthlott & Taylor (1995) ≡ *Hylorhipsalis floccosa* subsp. *hohenauensis* (F.Ritter) Doweld in Sukkulenty 4(1-2): 37. 2002 ["2001"] syn. sec. Korotkova (2021)

***Rhipsalis floccosa* subsp. *oreophila* N.P.Taylor & Zappi in Cactaceae Consensus Init. 6: 7. 1998.** Sec. Korotkova & al. (2011)

= *Rhipsalis monteazulensis* F.Ritter, Kakteen Südamerika 1: 42. 1979 syn. sec. Taylor & Zappi (1998) ≡ *Hylorhipsalis monteazulensis* (F.Ritter) Doweld in Sukkulenty 4(1-2): 38. 2002 ["2001"]

***Rhipsalis floccosa* subsp. *pulvinigera* (G.Lindb.) Barthlott & N.P.Taylor in Bradleya 13: 55. 1995.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis pulvinigera* G.Lindb. in Gartenflora 38: 186. 1889 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium pulvinigerum* (G.Lindb.) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Hylorhipsalis floccosa* subsp. *pulvinigera* (G.Lindb.) Doweld in Sukkulenty 4: 37. 2002 ["2001"] syn. sec. Korotkova (2021)

= *Rhipsalis gibberula* F.A.C.Weber in Rev. Hort. (Paris) 64: 426. 1892 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium gibberulum* (F.A.C.Weber) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis flosculosa* F.Ritter, Kakteen Südamerika 1: 42. 1979 syn. sec. Barthlott & Taylor (1995)

***Rhipsalis goebeliana* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"].** Sec. Korotkova & al. (2011)

***Rhipsalis grandiflora* Haw., Suppl. Pl. Succ.: 83. 1819.** Sec. Korotkova & al. (2011)

≡ *Hariota grandiflora* (Haw.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Britton & Rose (1923) ≡ *Lepismium grandiflorum* (Haw.) Backeb., Cactaceae 2: 691. 1959 syn. sec. Barthlott & Taylor (1995)

= *Cactus funalis* Spreng. in Syst. Veg. 2: 479. 1825 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis funalis* Salm-Dyck ex DC., Prodr. 3: 476. 1828 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota funalis* (Salm-Dyck ex DC.) Lem., Cact. Gen. Sp. Nov.: 74. 1839 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota funalis* Cels ex C.F.Först., Handb. Cacteenk.: 457. 1846 syn. sec. Barthlott & Taylor (1995)

= *Cactus cylindricus* Vell., Fl. Flumin.: 207. 1829 syn. sec. Britton & Rose (1923) ≡ *Rhipsalis cylindrica* (Vell.) Steud., Nomencl. Bot., ed. 2, 2(2-5): 448. 1841 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota cylindrica* (Vell.) Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis calamiformis* Pfeiff., Enum. Diagn. Cact.: 135. 1837 syn. sec. Britton & Rose (1923)

= *Rhipsalis funalis* var. *minor* Pfeiff., Enum. Diagn. Cact.: 135. 1837 syn. sec. Kew WCVP (2019)

= *Rhipsalis hadrosoma* G.Lindb. in Monatsschr. Kakteenk. 6: 96. 1896 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis robusta* H.Lindb. in Monatsschr. Kakteenk. 6: 53. 1896 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis fastigiata* Hjelmq., Bot. Not.: 356. 1941 syn. sec. Barthlott & Taylor (1995)

***Rhipsalis hileiabaiana* (N.P.Taylor & Barthlott) Barthlott & N.Korotkova in Amer. J. Bot. 98(9): 1565. 2011.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis baccifera* subsp. *hileiabaiana* N.P.Taylor & Barthlott in Bradleya 13: 63. 1995 syn. sec. Korotkova & al. (2011)

***Rhipsalis hoelleri* Barthlott & N.P.Taylor in Bradleya 13: 50. 1995.** Sec. Korotkova & al. (2011)

***Rhipsalis juengeri* Barthlott & N.P.Taylor in Bradleya 13: 69. 1995.** Sec. Korotkova & al. (2011)

≡ *Erythrorhipsalis juengeri* (Barthlott & N.P.Taylor) Doweld in Sukkulenty 4(1-2): 31. 2002 ["2001"] syn. sec. Korotkova (2021)

***Rhipsalis lindbergiana* K.Schum., Fl. Bras. 4(2): 271-272. 1890.** Sec. Korotkova & al. (2011)

≡ *Hariota lindbergiana* (K.Schum.) Kuntze, Revis. Gen. Pl. 3(3): 107. 1898 syn. sec. Britton & Rose (1923)

= *Rhipsalis densiareolata* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 41. 1918 syn. sec. Britton & Rose (1923)

***Rhipsalis mesembryanthemoides* Haw., Saxifrag. Enum. 2: 71. 1821 [as "*mesembryanthoides*"].** Sec. Korotkova & al. (2011)

≡ *Rhipsalis mesembryanthoides* Haw., Saxifrag. Enum. 2: 71. 1821 syn. sec. TPL (2013)

= *Rhipsalis echinata* Pfeiff., Enum. Diagn. Cact.: 136. 1837 syn. sec. Britton & Rose (1923)

= *Hariota mesembryanthemoides* Lem., Cact. Aliq. Nov.: 39. 1838 syn. sec. Britton & Rose (1923)

= *Hariota mesembryanthemodes* Kuntze, Revis. Gen. Pl. 1: 262. 1891 syn. sec. Britton & Rose (1923)

***Rhipsalis micrantha* (Kunth) DC., Prodr. 3: 476. 1828.** Sec. Korotkova & al. (2011)

≡ *Cactus micranthus* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 65. 1823 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota micrantha* (Kunth) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Britton & Rose (1923)

***Rhipsalis micrantha* f. *kirbergii* (Barthlott) Süplie, Rhipsalidinae, ed. 4: 100. 1994.** Sec. Korotkova & al. (2011)

≡ *Rhipsalis kirbergii* Barthlott in Trop. Subtrop. Pflanzenwelt 10: 11. 1974 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis micrantha* f. *kirbergii* (Barthlott) Barthlott & N.P.Taylor in Bradleya 13: 62. 1995 syn. sec. Korotkova (2021)

= *Rhipsalis kirbergii* var. *monticola* Barthlott in Trop. Subtrop. Pflanzenwelt 10: 11. 1974 syn. sec. Korotkova (2021)

= *Rhipsalis tonduzii* F.A.C.Weber in Bois, Dict. Hort.: 1046. 1898 syn. sec. Barthlott & Taylor (1995)

***Rhipsalis micrantha* f. *micrantha*.** Sec. Korotkova & al. (2011)

= *Rhipsalis wercklei* A.Berger in Monatsschr. Kakteenk. 16: 64. 1906 syn. sec. Barthlott & Taylor (1995)

- Rhipsalis micrantha* f. *rauhiorum* (Barthlott) Süplie, *Rhipsalidinae*, ed. 4: 101. 1994.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis rauhiorum* Barthlott in Trop. Subtrop. Pflanzenwelt 10: 15. 1974 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis micrantha* f. *rauhiorum* (Barthlott) Barthlott & N.P.Taylor in Bradleya 13: 62. 1995 syn. sec. Korotkova (2021)
 = *Rhipsalis roseana* A.Berger in Z. Sukkulente. 1: 22. 1923 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis neves-armondii* K.Schum., Fl. Bras. 4(2): 284. 1890.** Sec. Korotkova & al. (2011)
 ≡ *Lepismium neves-armondii* (K.Schum.) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995)
- Rhipsalis neves-armondii* f. *megalantha* (Loefgr.) Barthlott & N.P.Taylor in Bradleya 13: 50. 1995.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis megalantha* Loefgr. in Monatsschr. Kakteenk. 9: 134. 1899 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium megalanthum* (Loefgr.) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) – *Rhipsalis neves-armondii* f. *meagalantha* (Loefgr.) Barthlott & N.P.Taylor in Bradleya 13: 50. 1995 syn. sec. TPL (2013) [is misspelling for *Rhipsalis neves-armondii* f. *megalantha* (Loefgr.) Barthlott & N.P.Taylor]
 = *Rhipsalis novaesii* Gürke in Monatsschr. Kakteenk. 19: 12. 1909 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis neves-armondii* f. *neves-armondii*.** Sec. Korotkova & al. (2011)
 = *Rhipsalis foveolata* F.A.C.Weber in Bois, Dict. Hort.: 1047. 1898 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis oblonga* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 36-37. 1918.** Sec. Korotkova & al. (2011)
 = *Rhipsalis crispimarginata* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 37. 1918 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis occidentalis* Barthlott & Rauh in Kakteen And. Sukk. 38: 17. 1987.** Sec. Korotkova & al. (2011)
- Rhipsalis olivifera* N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 8. 1997.** Sec. Korotkova & al. (2011)
- Rhipsalis ormindoi* N.P.Taylor & Zappi in Cactaceae Consensus Init. 3: 8. 1997.** Sec. Taylor & Zappi (1997)
 ≡ *Erythrorhipsalis ormindoi* (N.P.Taylor & Zappi) Doweld in Sukkulenty 4(1-2): 31. 2002 ["2001"] syn. sec. Taylor & Zappi (1997)
- Rhipsalis pacheco-leonis* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 38. 1918 [as "*pacheco-leoni*"].** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis pacheco-leoni* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 38, pl. 10. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium pacheco-leonis* (Loefgr.) Backeb., Kaktus-ABC: 154. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Hylorhipsalis pacheco-leonis* (Loefgr.) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. Korotkova (2021)
- Rhipsalis pacheco-leonis* subsp. *catenulata* (Kimmach) Barthlott & N.P.Taylor in Bradleya 13: 59. 1995.** Sec. Barthlott & Taylor (1995)
 ≡ *Rhipsalis paradoxa* var. *catenulata* Kimmach in Cact. Succ. J. (Los Angeles) 64(2): 91. 1992 ≡ *Hylorhipsalis pacheco-leonis* subsp. *catenulata* (Kimmach) Doweld in Sukkulenty 4: 39. 2002 ["2001"]
- Rhipsalis pacheco-leonis* subsp. *pacheco-leonis*.** Sec. Korotkova & al. (2011)
- Rhipsalis pachyptera* Pfeiff., Enum. Diagn. Cact.: 132. 1837.** Sec. Korotkova & al. (2011)
 ≡ *Hariota pachyptera* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
 = *Cactus alatus* Willd., Enum. Pl., Suppl.: 35. 1814 syn. sec. Barthlott & Taylor (1995)
 = *Cactus alatus* Hook. in Bot. Mag. 55: t. 2820. 1828 syn. sec. Korotkova (2021)
 = *Cactus triquetra* Vell., Fl. Flumin.: 206. 1829 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota triquetra* (Vell.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
 = *Cereus alatus* Link & Otto, Icon. Pl. Rar.: 77. 1830 syn. sec. Barthlott & Taylor (1995)
 = *Lepismium fluminense* Miq. in Bull. Sci. Phys. Nat. Néerl. 1938: 48. 1838 syn. sec. Britton & Rose (1923)
 = *Rhipsalis robusta* Lem., Rev. Hort. (Paris). Ser. IV, ix.: 502. 1860 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota robusta* (Lem.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis dusenii* Hjelmq. in Bot. Not. 1941: 349. 1941 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis pachyptera* f. *rubra* Süplie in Epi-Flora 1: 16. 2005 syn. sec. Kew WCVP (2019)
- Rhipsalis paradoxa* (Salm-Dyck ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 39. 1845.** Sec. Korotkova & al. (2011)
 ≡ *Lepismium paradoxum* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 140. 1837 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota paradoxa* (Salm-Dyck ex Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995) ≡ *Hylorhipsalis paradoxa* (Salm-Dyck ex Pfeiff.) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. Korotkova (2021)
 = *Cereus pterocaulis* Pfeiff., Enum. Diagn. Cact.: 140. 1837 syn. sec. Barthlott & Taylor (1995)
 = *Hariota alternata* Lem. in Hort. Universel 2: 39, t. 50. 1840 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis alternata* (Lem.) Lem., Cactées: 80. 1868 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis pterocaulis* C.F.Först., Handb. Cacteenk.: 453. 1846 syn. sec. Britton & Rose (1923)
 = *Lepismium alternatum* W.H.Baxter, Suppl. Hort. Brit.: 576. 1850 syn. sec. Britton & Rose (1923)
 = *Rhipsalis paradoxa* var. *beatonii* Hochstätter in Cact. Succ. J. (Los Angeles) 64: 90. 1992 syn. sec. Kew WCVP (2019)
- Rhipsalis paradoxa* subsp. *paradoxa*.** Sec. Korotkova & al. (2011)
- Rhipsalis paradoxa* subsp. *septentrionalis* N.P.Taylor & Barthlott in Bradleya 13: 57. 1995.** Sec. Korotkova & al. (2011)
 ≡ *Hylorhipsalis paradoxa* subsp. *septentrionalis* (N.P.Taylor & Barthlott) Doweld in Sukkulenty 4(1-2): 39. 2002 ["2001"] syn. sec. Korotkova (2021)

- Rhipsalis pentaptera* Pfeiff. ex A.Dietr. in *Allg. Gartenzeitung* 4: 105. 1836.** Sec. Korotkova & al. (2011)
 ≡ *Hariota pentaptera* (Pfeiff. ex A.Dietr.) Lem., *Cact. Gen. Sp. Nov.*: 75. 1839 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota pentaptera* (Pfeiff. ex A.Dietr.) Kuntze, *Revis. Gen. Pl.* 1: 263. 1891 syn. sec. Britton & Rose (1923) ≡ *Hylorhipsalis pentaptera* (Pfeiff. ex A.Dietr.) Doweld in *Sukkulenty* 4(1-2): 39. 2002 ["2001"] syn. sec. Korotkova (2021) – *Hatiota pentaptera* (Pfeiff. ex A.Dietr.) Lem., *Cact. Gen. Sp. Nov.*: 75. 1839 [is misspelling for *Hariota pentaptera* (Pfeiff. ex A.Dietr.) Lem. is misspelling for *Hariota pentaptera* (Pfeiff. ex A.Dietr.) Lem.] – *Hariota pentaptera* Lem. ex C.F.Först., *Handb. Cacteenk.*: 453. 1846, nom. inval. syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis pentagona* C.F.Först., *Handb. Cacteenk.*: 453. 1846 syn. sec. Britton & Rose (1923)
- Rhipsalis pilocarpa* Loefgr. in *Monatsschr. Kakteenk.* 13: 52. 1903.** Sec. Korotkova & al. (2011)
 ≡ *Erythrorhipsalis pilocarpa* (Loefgr.) A.Berger in *Monatsschr. Kakteenk.* 30: 4. 1920 syn. sec. Barthlott & Taylor (1995)
 = *Pfeiffera rhipsaloides* Loefgr. in *Monatsschr. Kakteenk.* 13: 54. 1903 syn. sec. Britton & Rose (1923)
 = *Rhipsalis pilocarpa* f. *minima* Süplie, *Rhipsalis and Lepismium*: 119. 2007 syn. sec. Kew WCVP (2019)
- Rhipsalis pittieri* Britton & Rose, *Cactaceae* 4: 233. 1923.** Sec. Korotkova & al. (2011)
 ≡ *Lepismium pittieri* (Britton & Rose) Backeb., *Cactaceae* 2: 692. 1959 ≡ *Rhipsalis floccosa* subsp. *pittieri* (Britton & Rose) Barthlott & N.P.Taylor in *Bradleya* 13: 55. 1995 ≡ *Hylorhipsalis floccosa* subsp. *pittieri* (Britton & Rose) Doweld in *Sukkulenty* 4: 37. 2002 ["2001"]
- Rhipsalis pulchra* Loefgr. in *Arch. Jard. Bot. Rio de Janeiro* 1: 75-76, tab. 5. 1915.** Sec. Korotkova & al. (2011)
 ≡ *Erythrorhipsalis pulchra* (Loefgr.) Doweld in *Sukkulenty* 4(1-2): 31. 2002 ["2001"] syn. sec. Korotkova (2021)
- Rhipsalis puniceodiscus* G.Lindb. in *Gartenflora* 42: 233. 1893.** Sec. Korotkova & al. (2011)
 ≡ *Lepismium puniceodiscus* (G.Lindb.) Backeb., *Kaktus-ABC*: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) – *Lepismium puniceo-discus* (G.Lindb.) Backeb., *Kaktus-ABC*: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) [is orthographic variant for *Lepismium puniceodiscus* (G.Lindb.) Backeb.] – *Lepismium puniceodiscum* (G.Lindb.) Backeb., *Kaktus-ABC*: 155. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) [is misspelling for *Lepismium puniceodiscus* (G.Lindb.) Backeb.]
 = *Rhipsalis chrysocarpa* Loefgr. in *Arch. Jard. Bot. Rio de Janeiro* 1: 94. 1915 syn. sec. Barthlott & Taylor (1995) ≡ *Lepismium chrysocarpum* (Loefgr.) Backeb., *Kaktus-ABC*: 153. 1936 ["1935"] syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis puniceodiscus* var. *chrysocarpa* (Loefgr.) Borg, *Cacti*, ed. 1: 380. 1937 syn. sec. Kew WCVP (2019) ≡ *Lepismium puniceodiscus* var. *chrysocarpum* (Loefgr.) Backeb., *Cactaceae* 2: 691. 1959 syn. sec. Kew WCVP (2019)
- Rhipsalis rhombea* (Salm-Dyck) Pfeiff., *Enum. Diagn. Cact.*: 130. 1837.** Sec. Bauer & Korotkova (2020)
 ≡ *Cereus rhombeus* Salm-Dyck, *Hort. Dyck.*: 341. 1834 syn. sec. Bauer & Korotkova (2020) ≡ *Hariota rhombea* (Salm-Dyck) Kuntze, *Revis. Gen. Pl.* 1: 263. 1891 syn. sec. Bauer & Korotkova (2020)
 = *Epiphyllum crenulatum* Pfeiff., *Enum. Diagn. Cact.*: 130. 1837 syn. sec. Bauer & Korotkova (2020)
 = *Epiphyllum rhombeum* Pfeiff., *Enum. Diagn. Cact.*: 130. 1837 syn. sec. Bauer & Korotkova (2020) – *Epiphyllum rhombum* Pfeiff., *Enum. Diagn. Cact.*: 130. 1837 syn. sec. Bauer & Korotkova (2020) [is misspelling for *Epiphyllum rhombeum* Pfeiff.]
- Rhipsalis russellii* Britton & Rose, *Cactaceae* 4: 242. 1923.** Sec. Korotkova & al. (2011)
- Rhipsalis shaferi* Britton & Rose, *Cactaceae* 4: 229. 1923.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis baccifera* subsp. *shaferi* (Britton & Rose) Barthlott & N.P.Taylor in *Bradleya* 13: 64. 1995 syn. sec. Korotkova & al. (2011)
 = *Rhipsalis bermejensis* F.Ritter in *Backeberg, Kakteenlex.*: 388. 1966 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis sulcata* F.A.C.Weber in *Bois, Dict. Hort.*: 1046. 1898.** Sec. Korotkova & al. (2011)
 ≡ *Hylorhipsalis sulcata* (F.A.C.Weber) Doweld in *Sukkulenty* 4(1-2): 39. 2002 ["2001"] syn. sec. Korotkova (2021)
- Rhipsalis teres* (Vell.) Steud., *Nomencl. Bot.*, ed. 2, 2(2-5): 449. 1841.** Sec. Korotkova & al. (2011)
 ≡ *Cactus teres* Vell., *Fl. Flumin.*: 207. 1829 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota teres* (Vell.) Kuntze, *Revis. Gen. Pl.* 1: 263. 1891 syn. sec. Barthlott & Taylor (1995) – *Hatiota teres* (Vell.) Kuntze, *Revis. Gen. Pl.* 1: 263. 1891 syn. sec. Korotkova (2021) [is misspelling for *Hariota teres* (Vell.) Kuntze]
 = *Rhipsalis pendula* Vöcht. in *Jahrb. Wiss. Bot. Leipzig* 9: 371. 1873 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis floribunda* Schott ex K.Schum., *Fl. Bras.* 4(2): 274. 1890 syn. sec. Britton & Rose (1923)
 = *Hariota conferta* Kuntze, *Revis. Gen. Pl.* 1: 262. 1891 syn. sec. Britton & Rose (1923)
 = *Rhipsalis virgata* F.A.C.Weber in *Rev. Hort. (Paris)* 64: 425. 1892 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis alboareolata* F.Ritter, *Kakteen Südamerika* 1: 41. 1979 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis clavellina* F.Ritter, *Kakteen Südamerika* 1: 43. 1979 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis teres* f. *capilliformis* (F.A.C.Weber) Barthlott & N.P.Taylor in *Bradleya* 13: 65. 1995.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis capilliformis* F.A.C.Weber in *Rev. Hort. (Paris)* 64: 425. 1892 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis gracilis* N.E.Br. in *Gard. Chron.*, ser. 333: 18. 1903 syn. sec. Barthlott & Taylor (1995)
- Rhipsalis teres* f. *heteroclada* (Britton & Rose) Barthlott & N.P.Taylor in *Bradleya* 13: 65. 1995.** Sec. Korotkova & al. (2011)
 ≡ *Rhipsalis heteroclada* Britton & Rose, *Cactaceae* 4: 224. 1923 syn. sec. Barthlott & Taylor (1995)
 = *Rhipsalis conferta* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 229. 1850 syn. sec. Barthlott & Taylor (1995)

***Rhipsalis teres* f. *prismatica* (Lem.) Barthlott & N.P.Taylor in *Bradleya* 13: 65. 1995.** Sec. Korotkova & al. (2011)

≡ *Hariota prismatica* Lem. in Ill. Hort. 10: misc. 84-85. 1963 syn. sec. Barthlott & Taylor (1995) ≡ *Rhipsalis prismatica* (Lem.) Rümpler, Handb. Cacteenk., ed. 2: 884. 1885 syn. sec. Barthlott & Taylor (1995)

= *Rhipsalis tetragona* F.A.C.Weber in Rev. Hort. (Paris) 64: 425. 1892 syn. sec. Britton & Rose (1923)

= *Rhipsalis maricaensis* Scheinvar in Arch. Jard. Bot. Rio de Janeiro 31: 72. 1992 syn. sec. Barthlott & Taylor (1995)

Rhipsalis teres* f. *teres

***Rhipsalis triangularis* Werderm. in *Repert. Spec. Nov. Regni Veg.* 42: 3. 1937.** Sec. Korotkova & al. (2011)

***Rhipsalis trigonoides* (Doweld) N.Korotkova in *Willdenowia* 51: 265. 2021.** Sec. Korotkova & al. (2021)

≡ *Hylorhipsalis trigonoides* Doweld in Sukkulenty 4(1-2): 38. 2002 ["2001"] syn. sec. Korotkova & al. (2021)

= ?*Rhipsalis trigona* Pfeiff., Enum. Diagn. Cact.: 133. 1837 syn. sec. Korotkova & al. (2021) ≡ *Hariota trigona* (Pfeiff.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Korotkova & al. (2021) ≡ ?*Lepismium trigonum* (Pfeiff.) Backeb., Kaktus-ABC: 156. 1936 ["1935"] syn. sec. Korotkova & al. (2021)

– *Rhipsalis trigonoidea* Hoehne in Res. Hist. Secc. Bot. Agron. Inst. Biol. S. Paulo: 147. 1937, nom. inval. syn. sec. Korotkova & al. (2021)

***Rhipsalis tucumanensis* F.A.C.Weber in *Rev. Hort. (Paris)* 64: 426. 1892.** Sec. Kiesling & al. (2014)

≡ *Hariota tucumanensis* (F.A.C.Weber) Kuntze, Revis. Gen. Pl. 3(3): 107. 1898 syn. sec. Kiesling & al. (2014) ≡ *Lepismium tucumanense* (F.A.C.Weber) Backeb., Kaktus-ABC: 155. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Rhipsalis floccosa*

subsp. *tucumanensis* (F.A.C.Weber) Barthlott & N.P.Taylor in *Bradleya* 13: 57. 1995 syn. sec. Kiesling & al. (2014) ≡ *Hylorhipsalis floccosa* subsp. *tucumanensis* (F.A.C.Weber) Doweld in Sukkulenty 4(1-2): 37. 2002 ["2001"] syn. sec. Kiesling & al. (2014)

***Rimacactus* Mottram in *Bradleya* 19: 75. 2001.** Sec. Guerrero & al. (2019b)

Type: *Rimacactus laui* (Lüthy) Mottram

Notes. – Monotypic; segregated from *Eriosyce* based on the molecular data of Guerrero & al. (2019b). [Guerrero (2021)]

***Rimacactus laui* (Lüthy) Mottram in *Bradleya* 19: 76. 2001.** Sec. Guerrero & al. (2019b)

≡ *Eriosyce laui* Lüthy in Kattermann, *Eriosyce* (Cactac.) Gen. Revis. Ampl.: 120. 1994 syn. sec. Guerrero (2021) ≡ *Islaya laui* (Lüthy) Faúndez & R.Kiesling in *Darwiniana* 45: 237. 2007 syn. sec. Guerrero (2021)

***Salmonopuntia* P.V.Heath in *Calyx* 6(2): 41. 1999.** Sec. Griffith & Porter (2009)

Type: *Salmonopuntia salmiana* (J.Parm. ex Pfeiff.) P.V.Heath

≡ *Salmiopuntia* Frič ex Guiggi in *Cactology* 2 (Suppl.): 2. 2011, nom. illeg. syn. sec. Köhler (2021). Type: *Salmiopuntia salmiana* (J.Parm. ex Pfeiff.) Guiggi

≡ *Salmiopuntia* Frič ex Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 41. 1935, nom. inval. syn. sec. Köhler (2021)

Notes. – **Phylogenetics:** *Opuntia salmiana* has been found as a well-supported lineage out of the *Opuntia* s.str. clade (Griffith & Porter, 2009; Majure & al., 2012), and so treated as separate genus recognized by a combination of distinctive morphological features. The former *Salmiopuntia* Frič is an invalid name (Mottram, 2014), and the attempted validation (Guiggi, 2011) superfluous, considering Heath (1999). [Köhler (2021)]

***Salmonopuntia salmiana* (J.Parm. ex Pfeiff.) P.V.Heath in *Calyx* 6: 41. 1999.** Sec. Kiesling & al. (2014)

≡ *Opuntia salmiana* J.Parm. ex Pfeiff., Enum. Diagn. Cact.: 172. 1837 ≡ *Cylindropuntia salmiana* (J.Parm. ex Pfeiff.)

F.M.Knuth, Nye kaktusbog: 132. 1930 syn. sec. Kew WCVP (2019) ≡ *Austrocylindropuntia salmiana* (J.Parm. ex Pfeiff.)

Backeb. in *Cactaceae* (Berlin) 1941(2): 13. 1942 syn. sec. Kew WCVP (2019) ≡ *Platyopuntia salmiana* (J.Parm. ex Pfeiff.)

F.Ritter, *Kakteen Südamerika* 2: 405. 1980 syn. sec. Kiesling & al. (2014) ≡ *Salmiopuntia salmiana* (J.Parm. ex Pfeiff.) Guiggi in *Cactology* 2 (Suppl.): 2. 2011

= *Opuntia floribunda* Lem., Cact. Gen. Sp. Nov.: 68. 1839 syn. sec. Kew WCVP (2019)

= *Opuntia spegazzinii* F.A.C.Weber, Dict. Hort.: 898. 1898 syn. sec. Kiesling & al. (2014) ≡ *Cylindropuntia spegazzinii*

(F.A.C.Weber) Backeb., Kaktus-ABC: 121. 1936 ["1935"] syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia spegazzinii*

(F.A.C.Weber) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 14. 1951 syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia*

salmiana var. *spegazzinii* (F.A.C.Weber) Backeb., *Cactaceae* 1: 156. 1958 syn. sec. Kiesling & al. (2014) ≡ *Opuntia salmiana*

var. *spegazzinii* (F.A.C.Weber) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 25. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia albiflora* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 152. 1903 syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia*

albiflora (K.Schum.) Backeb. in *Cactaceae* (Berlin) 1941(2): 13. 1942 syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia*

salmiana var. *albiflora* (K.Schum.) Backeb., *Cactaceae* 1: 157. 1958 syn. sec. Tropicos ≡ *Opuntia salmiana* var. *albiflora*

(K.Schum.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 25. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia wagneri* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 393. 1904 syn. sec. Kew WCVP (2019)

= *Opuntia ipatiana* Cárdenas in *Cactus* (Paris) 34: 127. 1952 syn. sec. Kiesling & al. (2014) ≡ *Austrocylindropuntia ipatiana*

(Cárdenas) Backeb., *Cactaceae* 1: 153. 1958 syn. sec. Kiesling & al. (2014)

= *Salmonopuntia salmiana* f. *alba* P.V.Heath in *Calyx* 6: 41. 1999 syn. sec. Kew WCVP (2019)

= *Salmonopuntia salmiana* f. *glauca* P.V.Heath in *Calyx* 6: 41. 1999 syn. sec. Kew WCVP (2019)

= *Salmonopuntia salmiana* f. *rosea* P.V.Heath in *Calyx* 6: 41. 1999 syn. sec. Kew WCVP (2019)

= *Opuntia mucheri* Starm. in *Wulfenia* 12: 60. 2005 syn. sec. Kiesling & al. (2014)

***Salmonopuntia schickendantzii* (F.A.C.Weber) Font & M.Köhler in Phytotaxa 505(3): 267. 2021.** Sec. Köhler & al. (2021)

- ≡ *Opuntia schickendantzii* F.A.C.Weber in Bois, Dict. Hort.: 898. 1898 syn. sec. Köhler & al. (2021) ≡ *Cylindropuntia schickendantzii* (F.A.C.Weber) Backeb., Kaktus-ABC: 122. 1936 ["1935"] syn. sec. Köhler & al. (2021) ≡ *Austrocylindropuntia schickendantzii* (F.A.C.Weber) Backeb. in Cact. Succ. J. (Los Angeles) 23: 14. 1951 syn. sec. Köhler & al. (2021) ≡ *Brasiliopuntia schickendantzii* (F.A.C.Weber) R.Puente & Majure in Succ. Pl. Res. 8: 25. 2014 syn. sec. Köhler & al. (2021) ≡ *Mortolopuntia schickendantzii* (F.A.C.Weber) Guiggi in Cactology 5 (Suppl. I): 1. 2015 syn. sec. Köhler & al. (2021)
- = *Opuntia cochabambensis* Cárdenas in Revista Agric. (Cochabamba) 9: 20. 1955 syn. sec. Köhler & al. (2021)
- = *Platyopuntia conjungens* F.Ritter, Kakteen Südamerika 2: 494. 1980 syn. sec. Köhler & al. (2021) ≡ *Opuntia conjungens* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Köhler & al. (2021)

***Samaipaticereus* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 141. 1952.** Sec. Hunt (2006)

Type: *Samaipaticereus corroanus* Cárdenas

Notes. – Monotypic, sampled by Franck & al. (2013) and Schlumberger & Renner (2012), and found in the *Cleistocactus* clade, closely related to *Cleistocactus* and *Yungasocereus* (amongst others). [Korotkova & al. (2021)]

Samaipaticereus corroanus* Cárdenas in Cact. Succ. J. (Los Angeles) 24: 141. 1952.** Sec. Hunt (2006)Schlumbergera* Lem. in Ill. Hort. 5: 24. 1858.** Sec. Korotkova & al. (2011)

Type: *Schlumbergera epiphyllodes* Lem.

- = *Zygocactus* K.Schum., Fl. Bras. 4(2): 223. 1890 syn. sec. Hunt (2006). Type: *Zygocactus truncatus* (Haw.) K.Schum.
- = *Epiphyllanthus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 84. 1905 syn. sec. Hunt (2006). Type: *Epiphyllanthus obtusangulus* (K.Schum.) A.Berger
- = *Zygocereus* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 17. 1935 syn. sec. Kew WCVP (2019)
- = *Pseudozygocactus* Backeb. in Blätt. Kakteenf. 1938(6): 5, 21. 1938 syn. sec. Hunt (2006). Type: *Pseudozygocactus epiphyllodes* (Porto & Werderm.) Backeb.
- = ×*Schlumbergeranthus* Doweld in Sukkulenty 4(1-2): 37. 2002 ["2001"]

Notes. – *Schlumbergera* (the Christmas cactus) is one of the best-known and one of the morphologically best-defined *Cactaceae* genera, recognizable by its flattened stems and bright pink zygomorphic flowers. Its monophyly was confirmed by the molecular phylogenetic analysis of Calvente & al. (2011a) and Korotkova & al. (2011). [Hernández-Ledesma & al. (2015)]

***Schlumbergera* ×*buckleyi* (T.Moore) Tjaden in Natl. Cact. Succ. J. 21: 93. 1966.** Sec. Barthlott & Taylor (1995)

- ≡ *Epiphyllum* ×*buckleyi* T.Moore, Gard. Companion Florists Guide 1: 41. 1852 syn. sec. Kew WCVP (2019)

Schlumbergera* ×*eprica* Süpplie, *Schlumbergera* Direct. Spec. Hybr.: [4]. 2004**Schlumbergera* ×*exotica* Barthlott & Rauh in Kakteen And. Sukk. 28: 278. 1977.** Sec. Barthlott & Taylor (1995)

- ≡ ×*Schlumbergeranthus exoticus* (Barthlott & Rauh) Doweld in Sukkulenty 4(1-2): 43. 2002 ["2001"] syn. sec. Korotkova (2021)

***Schlumbergera kautskyi* (Horobin & McMillan) N.P.Taylor in Bradleya 9: 90. 1991.** Sec. Korotkova & al. (2011)

- ≡ *Schlumbergera truncata* subsp. *kautskyi* J.F.Horobin & McMillan in Epiphytes 15(57): 8. 1991 syn. sec. Barthlott & Taylor (1995) – *Schlumbergera truncata* var. *kautskyi* J.F.Horobin & McMillan in Epiphytes 14(56): 114. 1990, nom. inval. syn. sec. Korotkova (2021)

***Schlumbergera lutea* Calvente & Zappi in Molec. Phylogen. Evol. 58: 467. 2011.** Sec. Calvente & al. (2011)

- ≡ *Rhipsalis epiphyllodes* Porto & Werderm. in Jahrb. Deutsch. Kakteen-Ges. 1(7): 47. 1935 syn. sec. Calvente & al. (2011) ≡ *Hariota epiphyllodes* (Porto & Werderm.) Porto & A.Cast. in Anais Reunião Sul-Amer. Bot. 3: 7. 1940 ["1938"] syn. sec. Calvente & al. (2011) ≡ *Pseudozygocactus epiphyllodes* (Porto & Werderm.) Backeb. in Cactaceae (Berlin) 1941(2): 22. 1942 syn. sec. Calvente & al. (2011) ≡ *Hatiara epiphyllodes* (Porto & Werderm.) P.V.Heath in Epiphytes 7(28): 89. 1983 syn. sec. Calvente & al. (2011) ≡ *Hatiara epiphyllodes* subsp. *epiphyllodes* syn. sec. Calvente & al. (2011)

***Schlumbergera lutea* subsp. *bradei* (Porto & A.Cast.) Calvente & Zappi in Molec. Phylogen. Evol. 58: 467. 2011.** Sec. Calvente & al. (2011)

- ≡ *Hariota epiphyllodes* var. *bradei* Porto & A.Cast., Rodriguésia 5(14): 354, tab. 4, 5. 1941 syn. sec. Calvente & al. (2011) ≡ *Pseudozygocactus epiphyllodes* var. *bradei* (Porto & A.Cast.) Backeb., Cactaceae 2: 721. 1959 ≡ *Hatiara epiphyllodes* f. *bradei* (Porto & A.Cast.) P.V.Heath in Epiphytes 7(28): 90. 1983 syn. sec. Calvente & al. (2011) ≡ *Hatiara epiphyllodes* subsp. *bradei* (Porto & A.Cast.) Barthlott & N.P.Taylor in Bradleya 13: 74. 1995 syn. sec. Calvente & al. (2011) ≡ *Rhipsalis epiphyllodes* var. *bradei* (Porto & A.Cast.) Kimmach in Cact. Succ. J. (Los Angeles) 68: 156. 1996 syn. sec. Korotkova (2021) ≡ *Pseudozygocactus epiphyllodes* subsp. *bradei* (Porto & A.Cast.) Doweld in Sukkulenty 4: 42. 2002 ["2001"]

Schlumbergera lutea* subsp. *lutea*.** Sec. Calvente & al. (2011)Schlumbergera microsphaerica* (K.Schum.) P.V.Heath in Calyx 2(2): 64. 1992.** Sec. Korotkova & al. (2011)

- ≡ *Cereus microsphaericus* K.Schum., Fl. Bras. 4(2): 197. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllanthus microsphaericus* (K.Schum.) Britton & Rose, Cactaceae 4: 181. 1923 syn. sec. Barthlott & Taylor (1995) ≡ *Arthrocareus microsphaericus* (K.Schum.) A.Berger, Kakteen: 146, 337. 1929 syn. sec. Barthlott & Taylor (1995) ≡ *Trichocereus microsphaericus* (K.Schum.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942 syn. sec. Kew WCVP (2019) ≡ *Zygocactus microsphaericus* (K.Schum.) Buxb. in Krainz, Kakteen 4: Morph. 15. 1957 syn. sec. Barthlott & Taylor (1995) – *Schlumbergera microsphaerica* Hoewel in Kakteen And. Sukk. 21: 186. 1970, nom. inval. syn. sec. Barthlott & Taylor (1995)

- = *Cereus obtusangulus* K.Schum., Fl. Bras. 4(2): 198. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllum obtusangulum* (K.Schum.) Lindl. ex K.Schum., Fl. Bras. 4(2): 198. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllanthus obtusangulus* (K.Schum.) A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 84. 1905 ≡ *Zygocactus obtusangulus* (K.Schum.) Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 28. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera obtusangula* (K.Schum.) D.R.Hunt in Kew Bull. 23(2): 260. 1969 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera microsphaerica* f. *obtusangula* (K.Schum.) P.V.Heath in Calyx 2: 64. 1992 syn. sec. Korotkova (2021)
- = *Cereus parvulus* K.Schum., Fl. Bras. 4(2): 197. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera microsphaerica* f. *parvula* (K.Schum.) P.V.Heath in Calyx 2: 64. 1992 syn. sec. Korotkova (2021)
- = *Cereus anomalus* K.Schum., Keys Monogr. Cact.: 16. 1903 syn. sec. Britton & Rose (1923)
- = *Zygocactus candidus* Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 30. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllum candidum* Barb.Rodr. ex Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 30, pl. 6. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllanthus candidus* (Loefgr.) Britton & Rose, Cactaceae 4: 182. 1923 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera candida* (Loefgr.) Hoebel in Kakteen And. Sukk. 21: 186. 1970 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera microsphaerica* subsp. *candida* (Loefgr.) D.R.Hunt in Succ. Pl. Res. 4: 79. 1995 syn. sec. IPNI ≡ *Epiphyllanthus microsphaerica* subsp. *candidus* (Loefgr.) Doweld in Sukkulenty 4: 41. 2002 ["2001"] syn. sec. Korotkova (2021) – *Schlumbergera microsphaerica* f. *candida* (Loefgr.) Süpplie, Schlumbergera Direct. Spec. Hybr.: 3. 2004, nom. inval. syn. sec. Korotkova (2021)
- Schlumbergera opuntioides* (Loefgr. & Dusén) D.R.Hunt in Kew Bull. 23(2): 260. 1969.** Sec. Korotkova & al. (2011)
- ≡ *Epiphyllum opuntioides* Loefgr. & Dusén in Arq. Mus. Nac. Rio de Janeiro 13: 49. 1905 syn. sec. Hunt (1969) ≡ *Zygocactus opuntioides* (Loefgr. & Dusén) Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 26. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllanthus opuntioides* (Loefgr. & Dusén) Moran in Gentes Herbarum 8: 338. 1953 syn. sec. Barthlott & Taylor (1995)
- = *Epiphyllum obovatum* Engelm. ex K.Schum., Gesamtbeschr. Kakt.: 224. 1897 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllanthus obovatus* (Engelm. ex K.Schum.) Britton & Rose, Cactaceae 4: 180. 1923 syn. sec. Barthlott & Taylor (1995)
- *Epiphyllum polycanthum* Barb.Rodr. ex Loefgr., Arch. Jard. Bot. Rio de Janeiro 2: 26. 1918, nom. inval. syn. sec. Hunt (1969)
- Schlumbergera orssichiana* Barthlott & McMillan in Cact. Succ. J. (Los Angeles) 50(1): 31. 1978.** Sec. Korotkova & al. (2011)
- Schlumbergera ×reginae* McMillan & Orsich in Epiphytes 9(33): 8. 1985.** Sec. Barthlott & Taylor (1995)
- Schlumbergera russelliana* (Hook.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 261. 1913.** Sec. Korotkova & al. (2011)
- ≡ *Epiphyllum russellianum* Hook. in Bot. Mag. 66: tab. 3717. 1839 syn. sec. Britton & Rose (1913) ≡ *Phyllocactus russellianus* (Hook.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 37. 1845 syn. sec. Barthlott & Taylor (1995)
- = *Cereus russellianus* Gardner ex Lem., Hort. Universel 1: 31. 1839 syn. sec. Britton & Rose (1923)
- = *Schlumbergera epiphyllodes* Lem. in Rev. Hort. (Paris), ser. 4, 7: 253. 1858, nom. illeg. syn. sec. Barthlott & Taylor (1995)
- = *Epiphyllum russellianum* var. *rubrum* T.Br. in Gard. Chron. 1864: 318. 1864 syn. sec. Kew WCVP (2019)
- = *Epiphyllum russellianum* var. *superbum* T.Br. in Gard. Chron. 1864: 318. 1864 syn. sec. Kew WCVP (2019)
- = *Phyllocactus russellianus* K.Schum., Sukkulenten: 147. 1892 syn. sec. TPL (2013)
- *Cereus russellianus* Gardner ex Hook. in Bot. Mag. 66: t. 3717. 1839, nom. inval. syn. sec. Korotkova (2021)
- Schlumbergera truncata* (Haw.) Moran in Gentes Herbarum 8: 329. 1953.** Sec. Korotkova & al. (2011)
- ≡ *Epiphyllum truncatum* Haw., Suppl. Pl. Succ.: 85. 1819 syn. sec. Barthlott & Taylor (1995) ≡ *Cactus truncatus* (Haw.) Link in Enum. Hort. Berol. Alt. 2: 24. 1822 syn. sec. Barthlott & Taylor (1995) ≡ *Cereus truncatus* (Haw.) Sweet in Hort. Brit. 1: 172. 1826 syn. sec. Barthlott & Taylor (1995) ≡ *Zygocactus truncatus* (Haw.) K.Schum., Fl. Bras. 4(2): 224. 1890 syn. sec. Barthlott & Taylor (1995)
- = *Epiphyllum altensteinii* Pfeiff., Enum. Diagn. Cact.: 128. 1837 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllum truncatum* var. *altensteinii* (Pfeiff.) Lem., Cact. Gen. Sp. Nov.: 76. 1839 syn. sec. Britton & Rose (1923) ≡ *Zygocactus altensteinii* (Pfeiff.) K.Schum., Fl. Bras. 4(2): 225. 1890 syn. sec. Barthlott & Taylor (1995) ≡ *Schlumbergera truncata* var. *altensteinii* (Pfeiff.) Moran in Gentes Herbarum 8(4): 330. 1953 syn. sec. IPNI
- = *Epiphyllum smithianum* Marnock in Floric. Cab. & Florists Mag. 8: t. 13. 1840 syn. sec. WFO 2019
- = *Epiphyllum purpurascens* Lem., Hort. Universel 2: 349. 1841 syn. sec. Barthlott & Taylor (1995)
- = *Epiphyllum elegans* Cels ex C.F.Först., Handb. Cacteenk.: 446. 1846 syn. sec. WFO 2019
- = *Epiphyllum ruckeri* Paxton in Paxtons Mag. Bot. 12: 46. 1846 syn. sec. WFO 2019
- = *Epiphyllum violaceum* Cels ex C.F.Först., Handb. Cacteenk.: 446. 1846 syn. sec. WFO 2019
- = *Epiphyllum bridgesii* Lem. in Ill. Hort. 8: Misc. 5. 1861 syn. sec. Barthlott & Taylor (1995) ≡ *Epiphyllum truncatum* var. *bridgesii* (Lem.) Rümpler, Handb. Cacteenk., ed. 2: 870. 1885 ≡ *Schlumbergera bridgesii* (Lem.) Loefgr. in Arch. Jard. Bot. Rio de Janeiro 2: 32. 1918 syn. sec. Barthlott & Taylor (1995) ≡ *Zygocactus bridgesii* (Lem.) Linding. in Beih. Bot. Centralbl. 61A: 378. 1942 syn. sec. IPNI
- = *Epiphyllum ruckerianum* Lem. in Ill. Hort. 8(Misc.): 5. 1861 syn. sec. WFO 2019
- = *Epiphyllum truncatum* var. *cruentum* T.Br. in Gard. Chron. 1864: 318. 1864 syn. sec. Kew WCVP (2019)
- = *Epiphyllum truncatum* var. *magnificum* T.Br. in Gard. Chron. 1864: 318. 1864 syn. sec. Kew WCVP (2019)
- = *Epiphyllum truncatum* var. *spectabile* T.Br. in Gard. Chron. 1864: 318. 1864 syn. sec. Kew WCVP (2019)
- = *Epiphyllum guedneyrii* Houillet in Rev. Hort. 47: 230. 1875 syn. sec. WFO 2019
- = *Epiphyllum salmoneum* Cels ex K.Schum., Gesamtbeschr. Kakt.: 223. 1897 syn. sec. WFO 2019
- = *Epiphyllum delicatum* N.E.Br. in Gard. Chron. III 1902(2): 411. 1902 syn. sec. Barthlott & Taylor (1995) ≡ *Zygocactus delicatus* (N.E.Br.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 260. 1913 syn. sec. Barthlott & Taylor (1995) ≡ *Zygocactus truncatus* var. *delicatus* (N.E.Br.) Backeb. & F.M.Knuth, Kaktus-ABC: 160. 1936 ["1935"] syn. sec. IPNI ≡ *Schlumbergera truncata* var. *delicata* (N.E.Br.) Moran in Gentes Herbarum 8(4): 330. 1953 syn. sec. Barthlott & Taylor (1995)

= *Epiphyllum truncatum* var. *wagneri* Rol.-Goss. ex Guillaumin in Bull. Mus. Natl. Hist. Nat., sér. 2, 4: 1032. 1932 syn. sec. WFO 2019

***Sclerocactus* Britton & Rose, *Cactaceae* 3: 212. 1922. Sec. Hunt (2016)**

Type: *Sclerocactus polyancistrus* (Engelm. & J.M.Bigelow) Britton & Rose

= *Echinomastus* Britton & Rose, *Cactaceae* 3: 147. 1922 syn. sec. Hunt (2006). Type: *Echinomastus erectocentrus* (J.M.Coult.) Britton & Rose

= *Toumeyia* Britton & Rose, *Cactaceae* 3: 91. 1922, nom. illeg. syn. sec. Hunt (2006). Type: *Toumeyia papyracantha* (Engelm.) Britton & Rose

= *Ancistrocactus* Britton & Rose, *Cactaceae* 4: 3. 1923 syn. sec. Hunt (2006). Type: *Ancistrocactus megarhizus* (Rose) Britton & Rose

= *Roseia* Frič in Život v Přír. 29(1): 15. 1925 syn. sec. Hunt (2016). Type: *Roseia castanedai* Frič

= *Coloradoa* Boissév. & C.Davidson, *Colorado Cact.*: 54. 1940 syn. sec. Hunt (2006). Type: *Coloradoa mesae-verdae* Boissév. & C.Davidson

Notes. – **Phylogenetics:** Confirmed as monophyletic by Butterworth & al. (2002) and Vázquez-Sánchez & al. (2013). The generic status and limits of *Echinomastus* need further evaluation because it was found polyphyletic by Vázquez-Sánchez & al. (2013). **Key literature:** Revisions/monographs by Heil & Porter (1994) and Hochstätter (2005). [Hernández-Ledesma & al. (2015)]

***Sclerocactus blainei* S.L.Welsh & K.H.Thorne in *Great Basin Naturalist* 45(3): 553–555, f. 1. 1985. Sec. Parfitt & Gibson (2003)**

≡ *Sclerocactus spinosior* var. *blainei* (S.L.Welsh & K.H.Thorne) R.May in *Cact. Succ. J. (Los Angeles)* 60(1): 35, 45. 1988 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus spinosior* subsp. *blainei* (S.L.Welsh & K.H.Thorne) Hochstätter in *Succulenta (Netherlands)* 74(1): 43. 1995 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus spinosior* subsp. *blainei* (S.L.Welsh & K.H.Thorne) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 16. 1998

= *Sclerocactus schlesseri* K.D.Heil & S.L.Welsh in *Great Basin Naturalist* 46(4): 677–678. 1986 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus spinosior* var. *schlesseri* (K.D.Heil & S.L.Welsh) R.May in *Cact. Succ. J. (Los Angeles)* 60: 35. 1988 ≡ *Pediocactus spinosior* var. *schlesseri* (K.D.Heil & S.L.Welsh) Halda in *Acta Mus. Richnov., Sect. Nat.*, 4(1): 16. 1998 syn. sec. Parfitt & Gibson (2003)

***Sclerocactus brevihamatus* (Engelm.) D.R.Hunt in *Bradleya* 9: 91. 1991. Sec. Hunt (2016)**

≡ *Echinocactus brevihamatus* Engelm., *Syn. Cact. U. S.*: 15. 1856 syn. sec. Hunt (2016) ≡ *Echinocactus scheeri* var. *brevihamatus* (Engelm.) K.Schum., *Gesamtbeschr. Kakt.*: 336. 1898 syn. sec. Hunt (2016) ≡ *Ancistrocactus brevihamatus* (Engelm.) Britton & Rose, *Cactaceae* 4: 5. 1923 syn. sec. Hunt (2016) ≡ *Ancistrocactus scheeri* f. *brevihamatus* (Engelm.) Krainz, *Städtische Sukkulentensammlung Zürich, Kat. Kult. Stehenden Art.*, ed. 2: 35. 1967 syn. sec. Hunt (2016) ≡ *Pediocactus brevihamatus* (Engelm.) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 14. 1998 syn. sec. Hunt (2016) ≡ *Sclerocactus scheeri* subsp. *brevihamatus* (Engelm.) Lüthy in *Cactaceae Syst. Init.* 22: 23. 2007

= *Ancistrocactus brevihamatus* var. *pallidus* A.D.Zimmerman ex A.M.Powell, *Cacti Trans-Pecos*: 339. 2004 syn. sec. Kew WCVP (2019)

***Sclerocactus brevihamatus* subsp. *brevihamatus*. Sec. Hunt (2016)**

***Sclerocactus brevihamatus* subsp. *tobuschii* (W.T.Marshall) N.P.Taylor in *Piante Grasse* 15(1): 8. 1995. Sec. Hunt (2016)**

≡ *Mammillaria tobuschii* W.T.Marshall in *Saguaroland Bull.* 6: 79. 1952 syn. sec. Hunt (2006) ≡ *Ancistrocactus tobuschii* (W.T.Marshall) Backeb., *Cactaceae* 5: 2929. 1961 syn. sec. Hunt (2016) ≡ *Ferocactus tobuschii* (W.T.Marshall) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 41: 90. 1979 syn. sec. Kew WCVP (2019) ≡ *Pediocactus brevihamatus* subsp. *tobuschii* (W.T.Marshall) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 15. 1998 ≡ *Ancistrocactus scheeri* subsp. *tobuschii* (W.T.Marshall) Doweld in *Sukkulenty* 2: 29. 1999

***Sclerocactus brevispinus* K.D.Heil & J.M.Porter in *Haseltonia* 2: 26. 1994. Sec. Parfitt & Gibson (2003)**

= *Sclerocactus wetlandicus* var. *ilseae* Hochstätter in *Succulenta (Netherlands)* 72(2): 87–89. 1993 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus wetlandicus* subsp. *ilseae* (Hochstätter) Hochstätter, *Gen. Pediocactus, Navajoa, Toumeyia Revised*: 141. 1995 ≡ *Pediocactus wetlandicus* f. *ilseae* (Hochstätter) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 16. 1998 ≡ *Sclerocactus whipplei* var. *ilseae* (Hochstätter) S.L.Welsh, *Utah Fl. (ed. 3)*: 79. 2003

***Sclerocactus cloverae* K.D.Heil & J.M.Porter in *Haseltonia* 2: 31. 1994. Sec. Parfitt & Gibson (2003)**

≡ *Pediocactus cloverae* (K.D.Heil & J.M.Porter) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5(1): 15. 1998 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus whipplei* subsp. *cloverae* (K.D.Heil & J.M.Porter) Hochstätter in *Succulenta (Netherlands)* 86: 90. 2007, nom. illeg.

= *Sclerocactus whipplei* var. *reevesii* Castetter, P.Pierce & K.H.Schwer. in *Cact. Succ. J. (Los Angeles)* 48(2): 80–82, f. 5–7. 1976 syn. sec. Parfitt & Gibson (2003)

= *Sclerocactus cloverae* subsp. *brackii* K.D.Heil & J.M.Porter in *Haseltonia* 2: 33–34, f. 5. 1994 syn. sec. Parfitt & Gibson

(2003) ≡ *Pediocactus cloverae* subsp. *brackii* (K.D.Heil & J.M.Porter) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 15. 1998

= *Sclerocactus whipplei* subvar. *azteca* Hochstätter in *Piante Grasse* 17: 228. 1997 syn. sec. Kew WCVP (2019)

***Sclerocactus erectocentrus* (J.M.Coult.) N.P.Taylor in *Bradleya* 5: 94. 1987.** Sec. Hernández & Gómez-Hinostrosa (2011)

- ≡ *Echinocactus erectocentrus* J.M.Coult. in Contr. U.S. Natl. Herb. 3(7): 376. 1896 syn. sec. Hunt (2006) ≡ *Echinomastus erectocentrus* (J.M.Coult.) Britton & Rose, Cactaceae 3: 148. 1922 syn. sec. Parfitt & Gibson (2003) ≡ *Thelocactus erectocentrus* (J.M.Coult.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Kew WCVP (2019) ≡ *Neolloydia erectocentra* (J.M.Coult.) L.D.Benson, Cacti Ariz., ed. 3: 24. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus erectocentrus* (J.M.Coult.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 24. 1998 syn. sec. Kew WCVP (2019) ≡ *Sclerocactus johnsonii* subsp. *erectocentrus* (J.M.Coult.) M.A.Baker, Endang. Sp. Threats Conserv.: 49. 2016 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Echinomastus erectocentrus* subsp. *erectocentrus* syn. sec. Hunt (2016)
- = *Echinocactus beguinii* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 442. 1898 syn. sec. Kew WCVP (2019) ≡ *Neolloydia beguinii* (F.A.C.Weber ex K.Schum.) Britton & Rose in Bull. Torrey Bot. Club 49(8): 252. 1922 syn. sec. Kew WCVP (2019) ≡ *Gymnocactus beguinii* (F.A.C.Weber ex K.Schum.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 151. 1951 syn. sec. Kew WCVP (2019) ≡ *Neolloydia smithii* var. *beguinii* (F.A.C.Weber ex K.Schum.) Kladiwa & Fittkau, Kakteen 46-47: CVIII b. 1971 syn. sec. Kew WCVP (2019)

***Sclerocactus glaucus* (K.Schum.) L.D.Benson in Cact. Succ. J. (Los Angeles) 38(2): 53. 1966.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus glaucus* K.Schum., Gesamtbeschr. Kakt.: 438–439. 1898 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus glaucus* (K.Schum.) Arp in Cact. Succ. J. (Los Angeles) 44(5): 221. 1972 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus whipplei* var. *glaucus* (K.Schum.) S.L.Welsh in Great Basin Naturalist 44: 68. 1984 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus glaucus* (K.Schum.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1989 syn. sec. Parfitt & Gibson (2003)
- = *Echinocactus glaucus* Karw. ex Pfeiff., Enum. Diagn. Cact.: 57. 1837 syn. sec. Kew WCVP (2019) ≡ *Echinocactus whipplei* var. *glaucus* (K.Schum.) J.A.Purpus in Mitt. Deutsch. Dendrol. Ges. 35: 50. 1925 syn. sec. Tropicos
- = *Echinocactus subglaucus* Rydb., Fl. Rocky Mts.: 580. 1917 syn. sec. Kew WCVP (2019)
- = *Sclerocactus franklinii* J.W.Evans in Cact. Succ. J. (Los Angeles) 11: 74. 1939 syn. sec. Kew WCVP (2019)

***Sclerocactus intertextus* (Engelm.) N.P.Taylor in *Bradleya* 5: 94. 1987.** Sec. Hunt (2016)

- ≡ *Echinocactus intertextus* Engelm. in Proc. Amer. Acad. Arts 3: 277. 1856 ≡ *Echinomastus intertextus* (Engelm.) Britton & Rose, Cactaceae 3: 149. 1922 ≡ *Thelocactus intertextus* (Engelm.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Kew WCVP (2019) ≡ *Neolloydia intertexta* (Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 24. 1969 ≡ *Pediocactus intertextus* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 24. 1998 syn. sec. Kew WCVP (2019) ≡ *Echinomastus intertextus* subsp. *intertextus* syn. sec. Hunt (2016)
- = *Echinocactus intertextus* Phil. in Linnaea 33: 81. 1864 syn. sec. Kew WCVP (2019)
- = *Cereus pectinatus* var. *centralis* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 386. 1896 syn. sec. Britton & Rose (1922) ≡ *Echinocereus pectinatus* var. *centralis* (J.M.Coult.) K.Schum., Gesamtbeschr. Kakt.: 271. 1898 syn. sec. Britton & Rose (1922) ≡ *Echinocereus centralis* (J.M.Coult.) Rose in Contr. U.S. Natl. Herb. 12: 293. 1909 syn. sec. Britton & Rose (1922) ≡ *Echinomastus centralis* (J.M.Coult.) Y.Itô, Cacti, ed. 2: 102. 1952 syn. sec. Kew WCVP (2019)

***Sclerocactus intertextus* var. *dasyacanthus* (Engelm.) N.P.Taylor in *Bradleya* 5: 94. 1987.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus intertextus* var. *dasyacanthus* Engelm. in Proc. Amer. Acad. Arts 3: 277. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus intertextus* f. *dasyacanthus* (Engelm.) Schelle, Handb. Kakteenkult.: 201. 1907 syn. sec. Parfitt & Gibson (2003) ≡ *Echinomastus dasyacanthus* (Engelm.) Britton & Rose, Cactaceae 3: 150. 1922 syn. sec. Tropicos ≡ *Thelocactus dasyacanthus* (Engelm.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Kew WCVP (2019) ≡ *Echinomastus intertextus* var. *dasyacanthus* (Engelm.) Backeb., Cactaceae 5: 2832. 1961 syn. sec. Parfitt & Gibson (2003) ≡ *Neolloydia intertexta* var. *dasyacantha* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 233. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus intertextus* var. *dasyacanthus* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 24. 1998 syn. sec. Kew WCVP (2019) ≡ *Echinomastus intertextus* subsp. *dasyacanthus* (Engelm.) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Parfitt & Gibson (2003)

Sclerocactus intertextus* var. *intertextus*.** Sec. Hunt (2016)Sclerocactus johnsonii* (Parry ex Engelm.) N.P.Taylor in *Bradleya* 5: 94. 1987.** Sec. Hunt (2016)

- ≡ *Echinocactus johnsonii* Parry ex Engelm., Botany (Fortieth Parallel): 117. 1871 syn. sec. Hunt (2006) ≡ *Ferocactus johnsonii* (Parry ex Engelm.) Britton & Rose, Cactaceae 3: 141. 1922 syn. sec. Kew WCVP (2019) ≡ *Echinomastus johnstonii* (Parry ex Engelm.) E.M.Baxter, Calif. Cactus: 75. 1935 syn. sec. Parfitt & Gibson (2003) ≡ *Thelocactus johnsonii* (Parry ex Engelm.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Hunt (2016) ≡ *Neolloydia johnsonii* (Parry ex Engelm.) L.D.Benson, Cacti Ariz., ed. 3: 25. 1969 syn. sec. Hunt (2016) ≡ *Pediocactus johnsonii* (Parry ex Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 24. 1998 syn. sec. Kew WCVP (2019)
- = *Echinocactus johnsonii* var. *octocentrus* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 374. 1896 syn. sec. Kew WCVP (2019) ≡ *Echinocactus johnsonii* subsp. *octocentrus* (J.M.Coult.) A.E.Murray in Kalmia 12: 20. 1982 syn. sec. Kew WCVP (2019)
- = *Echinocactus krausei* Hildm. ex Mathsson. in Monatsschr. Kakteenk. 7: 107. 1897 syn. sec. Kew WCVP (2019) ≡ *Echinocactus krausei* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 446. 1898 syn. sec. Kew WCVP (2019) ≡ *Echinomastus krausei* (Hildm. ex Mathsson) Berger ex Borg, Cacti, ed. 1: 237. 1937 syn. sec. Kew WCVP (2019) ≡ *Thelocactus krausei* (Hildm. ex K.Schum.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942 syn. sec. Kew WCVP (2019)
- = *Echinocactus johnsonii* var. *lutescens* Parish in Bull. S. Calif. Acad. Sci. 25: 83. 1926 syn. sec. Kew WCVP (2019) ≡ *Echinomastus johnsonii* var. *lutescens* (Parish) Wiggins, Veg. Fl. Sonoran Des. 2: 1011. 1964 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus johnsonii* subsp. *lutescens* (Parish) A.E.Murray in Kalmia 12: 20. 1982 syn. sec. Kew WCVP (2019)
- = *Echinomastus arizonicus* Hester in Cact. Succ. J. (Los Angeles) 5: 504. 1934 syn. sec. Kew WCVP (2019)

***Sclerocactus johnsonii* subsp. *acunensis* (W.T.Marshall) M.A.Baker & J.M.Porter, *Endang. Sp. Threats Conserv.*: 48. 2016. Sec. Kew WCVP (2019)**

≡ *Echinomastus acunensis* W.T.Marshall in *Saguaroland Bull.* 7: 34. 1953 syn. sec. Parfitt & Gibson (2003) ≡ *Neolloydia erectocentra* var. *acunensis* (W.T.Marshall) L.D.Benson, *Cacti Ariz.*, ed. 3: 25. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Echinomastus erectocentrus* var. *acunensis* (W.T.Marshall) Bravo in *Cact. Suc. Mex.* 25: 65. 1980 syn. sec. Kew WCVP (2019) ≡ *Echinomastus erectocentrus* subsp. *acunensis* (W.T.Marshall) U.Guzmán in *Cactaceae Syst. Init.* 16: 17. 2003 syn. sec. Parfitt & Gibson (2003)

Sclerocactus johnsonii* subsp. *johnsonii

***Sclerocactus mariposensis* (Hester) N.P.Taylor in *Bradleya* 5: 94. 1987. Sec. Hunt (2016)**

≡ *Echinomastus mariposensis* Hester in *Desert Pl. Life* 17(4): 59–60. 1945 syn. sec. Hunt (2006) ≡ *Neolloydia mariposensis* (Hester) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 41(4): 188. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus mariposensis* (Hester) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 24. 1998 syn. sec. Kew WCVP (2019)
= *Echinomastus mariposensis* subsp. *fischeri* Halda & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 35. 2000 syn. sec. Kew WCVP (2019)

***Sclerocactus mesae-verdae* (Boissev. & C.Davidson) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 38(2): 54. 1966. Sec. Parfitt & Gibson (2003)**

≡ *Coloradoa mesae-verdae* Boissev. & C.Davidson, *Colorado Cact.*: 55–58, f. 38–40. 1940 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus mesae-verdae* (Boissev. & C.Davidson ex Marshall & Bloc) L.D.Benson in *Leafl. W. Bot.* 6: 163. 1951 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus mesae-verdae* (Boissev. & C.Davidson) Arp in *Cact. Succ. J. (Los Angeles)* 44(5): 222. 1972 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus mesae-verdae* (Boissev. & C.Davidson ex Marshall & Bloc) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 41: 90. 1979 syn. sec. Parfitt & Gibson (2003)

***Sclerocactus nyensis* Hochstätter in *Succulenta (Netherlands)* 71(6): 253–255. 1992. Sec. Parfitt & Gibson (2003)**

≡ *Pediocactus nyensis* (Hochstätter) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5(1): 15. 1998 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus spinosior* subsp. *nyensis* (Hochstätter) Lüthy in *Cactaceae Syst. Init.* 23: 28. 2008

***Sclerocactus papyracanthus* (Engelm.) N.P.Taylor in *Bradleya* 5: 94. 1987. Sec. Parfitt & Gibson (2003)**

≡ *Mammillaria papyracantha* Engelm. in *Mem. Amer. Acad. Arts*, n.s. 4(1): 49. 1849 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus papyracanthus* (Engelm.) Engelm. in *Trans. Acad. Sci. St. Louis* 2: 198. 1863 syn. sec. Kew WCVP (2019) ≡ *Toumeyia papyracantha* (Engelm.) Britton & Rose, *Cactaceae* 3: 91. 1922 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus papyracanthus* (Engelm.) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 34(2): 61. 1962 syn. sec. Parfitt & Gibson (2003)

***Sclerocactus parviflorus* Clover & Jotter in *Bull. Torrey Bot. Club* 68(6): 419, f. 8. 1941. Sec. Parfitt & Gibson (2003)**

≡ *Echinocactus parviflorus* (Clover & Jotter) L.D.Benson, *Cacti Ariz.*, ed. 2: 102. 1950 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus parviflorus* (Clover & Jotter) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 41: 90. 1979 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus parviflorus* (Clover & Jotter) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5(1): 15. 1998 syn. sec. Parfitt & Gibson (2003)
= *Sclerocactus havasupaiensis* Clover in *Amer. J. Bot.* 29(2): 172. 1942 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus parviflorus* var. *havasupaiensis* (Clover) L.D.Benson, *Cacti Ariz.*, ed. 2: 102. 1950 ≡ *Sclerocactus parviflorus* subsp. *havasupaiensis* (Clover) Hochstätter in *Succulenta (Netherlands)* 74(1): 38. 1995 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus parviflorus* subsp. *havasupaiensis* (Clover) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 15. 1998
= *Sclerocactus havasupaiensis* var. *roseus* Clover in *Amer. J. Bot.* 29(2): 173, f. 3–4. 1942 syn. sec. Parfitt & Gibson (2003) ≡ *Echinocactus parviflorus* var. *roseus* (Clover) L.D.Benson, *Cacti Ariz.*, ed. 2: 104. 1950 ≡ *Sclerocactus whipplei* var. *roseus* (Clover) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 38(3): 101. 1966 syn. sec. Parfitt & Gibson (2003)
= *Sclerocactus intermedius* Peebles in *Leafl. W. Bot.* 5: 191. 1949 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus whipplei* var. *intermedius* (Peebles) L.D.Benson in *Cact. Succ. J. (Los Angeles)* 38(3): 102. 1966 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus parviflorus* var. *intermedius* (Peebles) D.Woodruff & L.D.Benson in *Cact. Succ. J. (Los Angeles)* 48(3): 133. 1976 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus parviflorus* subsp. *intermedius* (Peebles) K.D.Heil & J.M.Porter in *Haseltonia* 2: 27. 1994 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus parviflorus* subsp. *intermedius* (Peebles) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 16. 1998
= *Sclerocactus contortus* K.D.Heil in *Cact. Succ. J. (Los Angeles)* 51(1): 25–26, f. 1–2. 1979 syn. sec. Parfitt & Gibson (2003)
= *Sclerocactus terrae-canyonae* K.D.Heil in *Cact. Succ. J. (Los Angeles)* 51: 26–28. 1979 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus parviflorus* subsp. *terrae-canyonae* (K.D.Heil) K.D.Heil & J.M.Porter in *Haseltonia* 2: 27. 1994 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus parviflorus* subsp. *terrae-canyonae* (K.D.Heil) Halda in *Acta Mus. Richnov., Sect. Nat.*, 5: 16. 1998 ≡ *Sclerocactus parviflorus* f. *terrae-canyonae* (K.D.Heil) Hochstätter in *Cactaceae Rev.* 1: 14. 1998
= *Sclerocactus parviflorus* f. *macrospermus* Hochstätter in *Cactaceae Rev.* 1: 11. 1998 syn. sec. Kew WCVP (2019) ≡ *Sclerocactus parviflorus* subsp. *macrospermus* (Hochstätter) Hochstätter, *Gen. Sclerocactus*: 27. 2005 syn. sec. Kew WCVP (2019)
= *Sclerocactus parviflorus* f. *variiflorus* Hochstätter in *Cactaceae Rev.* 1: 8. 1998 syn. sec. Kew WCVP (2019) ≡ *Sclerocactus parviflorus* subsp. *variiflorus* (Hochstätter) Hochstätter, *Gen. Sclerocactus*: 29. 2005

***Sclerocactus polyancistrus* (Engelm. & J.M.Bigelow) Britton & Rose, *Cactaceae* 3: 213. 1922. Sec. Parfitt & Gibson (2003)**

≡ *Echinocactus polyancistrus* Engelm. & J.M.Bigelow in *Proc. Amer. Acad. Arts* 3: 272. 1856 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus polyancistrus* (Engelm. & J.M.Bigelow) Arp in *Cact. Succ. J. (Los Angeles)* 44(5): 222. 1972 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus polyancistrus* (Engelm. & J.M.Bigelow) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 41: 90. 1979 syn. sec. Parfitt & Gibson (2003)

***Sclerocactus pubispinus* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 38(3): 103. 1966.** Sec. Parfitt & Gibson (2003)

≡ *Echinocactus pubispinus* Engelm. in Trans. Acad. Sci. St. Louis 2: 199. 1863 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus pubispinus* (Engelm.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus pubispinus* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 16. 1998

***Sclerocactus scheeri* (Salm-Dyck) N.P.Taylor in Bradleya 5: 94. 1987.** Sec. Hunt (2016)

≡ *Echinocactus scheeri* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 155. 1850 syn. sec. Hunt (2006) ≡ *Ancistrocactus scheeri* (Salm-Dyck) Britton & Rose, Cactaceae 4: 4. 1923 syn. sec. Hunt (2016) ≡ *Ferocactus scheeri* (Salm-Dyck) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Guzmán Cruz & al. (2003) ≡ *Pediocactus scheeri* (Salm-Dyck) Halda in Acta Mus. Richnov., Sect. Nat., 5: 25. 1998 syn. sec. Kew WCVP (2019)

= *Echinocactus megarrhizus* Rose in Contr. U.S. Natl. Herb. 12: 290. 1909 syn. sec. Tropicos ≡ *Ancistrocactus megarrhizus* (Rose) Britton & Rose, Cactaceae 4: 4. 1923 syn. sec. Hunt (2016) ≡ *Ancistrocactus scheeri* f. *megarrhizus* (Rose) Krainz, Städtische Sukkulentsammlung Zürich, Kat. Kult. Stehenden Art., ed. 2: 35. 1967 syn. sec. Kew WCVP (2019)

= *Roseia castanedai* Frič in Život v Přír. 29(1): 15, f. 1925 syn. sec. Kew WCVP (2019)

***Sclerocactus sileri* (L.D.Benson) K.D.Heil & J.M.Porter in Haseltonia 2: 39. 1994.** Sec. Parfitt & Gibson (2003)

≡ *Sclerocactus pubispinus* var. *sileri* L.D.Benson, Cacti Ariz., ed. 3: 23. 1969 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus pubispinus* subsp. *sileri* (L.D.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5: 16. 1998

***Sclerocactus spinosior* (Engelm.) D.Woodruff & L.D.Benson in Cact. Succ. J. (Los Angeles) 48(3): 131. 1976.** Sec. Parfitt & Gibson (2003)

≡ *Echinocactus whipplei* var. *spinosior* Engelm. in Trans. Acad. Sci. St. Louis 2: 199. 1863 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus spinosior* (Engelm.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Parfitt & Gibson (2003) ≡ *Sclerocactus pubispinus* var. *spinosior* (Engelm.) S.L.Welsh in Great Basin Naturalist 44(1): 67. 1984 syn. sec. Parfitt & Gibson (2003) ≡ *Pediocactus spinosior* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 16. 1998 syn. sec. Parfitt & Gibson (2003)

= *Echinocactus spinosior* K.Brandegee ex Purpus in Monatsschr. Kakteenk. 10: 97. 1900 syn. sec. Britton & Rose (1922)

***Sclerocactus unguispinus* (Engelm.) N.P.Taylor in Bradleya 5: 94. 1987.** Sec. Hunt (2016)

≡ *Echinocactus unguispinus* Engelm., Mem. Tour N. Mexico: 111. 1848 syn. sec. Hunt (2006) ≡ *Echinomastus unguispinus* (Engelm.) Britton & Rose, Cactaceae 3: 150. 1922 syn. sec. Tropicos ≡ *Thelocactus unguispinus* (Engelm.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Korotkova (2021) ≡ *Neolloydia unguispina* (Engelm.) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 80. 1974 syn. sec. Kew WCVP (2019) ≡ *Thelocactus unguispinus* (Engelm.) G.D.Rowley in Excelsa 12: 30. 1986 syn. sec. Kew WCVP (2019) ≡ *Pediocactus unguispinus* (Engelm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 25. 1998 syn. sec. Kew WCVP (2019) ≡ *Echinomastus unguispinus* subsp. *unguispinus*

= *Echinocactus durangensis* Runge in Hamburger Garten- Blumenzeitung 56: 231. 1890 syn. sec. Kew WCVP (2019) ≡ *Echinomastus durangensis* (Runge) Britton & Rose, Cactaceae 3: 152. 1922 syn. sec. Hernández & Gómez-Hinostrosa (2011) ≡ *Neolloydia durangensis* (Runge) L.D.Benson in Cact. Succ. J. (Los Angeles) 46: 81. 1974 syn. sec. Hunt (2016) ≡

Echinomastus unguispinus var. *durangensis* (Runge) Bravo in Cact. Suc. Mex. 25: 65. 1980 ≡ *Thelocactus durangensis* (Runge) G.D.Rowley in Excelsa 12: 31. 1986 syn. sec. Kew WCVP (2019) ≡ *Sclerocactus unguispinus* var. *durangensis* (Runge) N.P.Taylor in Bradleya 5: 94. 1987 syn. sec. Hunt (2016) ≡ *Pediocactus unguispinus* var. *durangensis* (Runge) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 26. 1998 syn. sec. Tropicos ≡ *Echinomastus unguispinus* subsp. *durangensis* (Runge) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Tropicos

= *Echinocactus trolletii* Rebut in Baltimore Cact. J. 2: 147. 1895 syn. sec. Britton & Rose (1922)

= *Echinomastus mapimiensis* Backeb. in Cact. Succ. J. Gr. Brit. 15: 68. 1953 syn. sec. Tropicos

= *Echinomastus laui* G.Frank & Zecher in Cact. Succ. J. (Los Angeles) 50: 188. 1978 syn. sec. Tropicos ≡ *Echinomastus unguispinus* var. *laui* (G.Frank & Zecher) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 51: 124. 1979 syn. sec. Tropicos ≡ *Echinomastus unguispinus* subsp. *laui* (G.Frank & Zecher) Glass, Guía Identific. Cact. Amenazadas México: Echinom/un ssp. laui. 1997 ["1998"] syn. sec. Tropicos

= *Echinomastus unguispinus* var. *minimus* A.B.Lau in Kakteen And. Sukk. 34: 206. 1983 syn. sec. Tropicos ≡ *Echinomastus unguispinus* subsp. *minimus* (A.B.Lau) U.Guzmán in Cactaceae Syst. Init. 16: 17. 2003 syn. sec. Tropicos

***Sclerocactus warnockii* (L.D.Benson) N.P.Taylor in Bradleya 5: 94. 1987.** Sec. Hunt (2016)

≡ *Neolloydia warnockii* L.D.Benson in Cact. Succ. J. (Los Angeles) 41(5): 186–188, f. 4. 1969 syn. sec. Hunt (2006) ≡ *Echinomastus warnockii* (L.D.Benson) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 47: 222. 1975 ≡ *Pediocactus warnockii* (L.D.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5: 26. 1998 syn. sec. Kew WCVP (2019)

= *Neolloydia gautii* L.D.Benson in Cact. Succ. J. (Los Angeles) 46(2): 80. 1974 syn. sec. Tropicos ≡ *Turbincarpus gautii* (L.D.Benson) Zimmerman in Bradleya 9: 91. 1991 syn. sec. Tropicos ≡ *Echinomastus gautii* (L.D.Benson) Mosco & Zanov. in Bradleya 15: 81. 1997 syn. sec. Tropicos ≡ *Pediocactus gautii* (L.D.Benson) Halda in Acta Mus. Richnov., Sect. Nat., 5: 19. 1998 syn. sec. Tropicos

***Sclerocactus wetlandicus* Hochstätter in Succulenta (Netherlands) 68(6): 123–125. 1989.** Sec. Parfitt & Gibson (2003)

≡ *Pediocactus wetlandicus* (Hochstätter) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 16. 1998 ≡ *Sclerocactus glaucus* subsp. *wetlandicus* (Hochstätter) Lüthy in Cactaceae Syst. Init. 22: 24. 2007

***Sclerocactus whipplei* (Engelm. & J.M.Bigelow) Britton & Rose, *Cactaceae* 3: 213. 1922. Sec. Parfitt & Gibson (2003)**

- ≡ *Echinocactus whipplei* Engelm. & J.M.Bigelow in Proc. Amer. Acad. Arts 3: 271–272. 1856 syn. sec. Parfitt & Gibson (2003)
 ≡ *Pediocactus whipplei* (Engelm. & J.M.Bigelow) Arp in Cact. Succ. J. (Los Angeles) 44(5): 222. 1972 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus whipplei* (Engelm. & J.M.Bigelow) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Parfitt & Gibson (2003)
 = *Echinocactus whipplei* var. *nanus* S.A.Mori in Monatsschr. Kakteenk. 10: 119. 1900 syn. sec. Kew WCVP (2019)
 = *Sclerocactus whipplei* var. *pygmaeus* Peebles in Leafl. W. Bot. 5(12): 192. 1949 syn. sec. Parfitt & Gibson (2003)
 = *Sclerocactus parviflorus* var. *blesingiae* W.H.Earle in Saguaroland Bull. 34(3): 29. 1980 syn. sec. Kew WCVP (2019)
 = *Sclerocactus whipplei* subsp. *busekii* (K.D.Heil & J.M.Porter) Hochstätter in Succulenta (Netherlands) 74(1): 136. 1995 syn. sec. Kew WCVP (2019)
 = *Pediocactus whipplei* subsp. *busekii* (Hochstätter) Halda in Acta Mus. Richnov., Sect. Nat., 5: 17. 1998 syn. sec. Kew WCVP (2019)

***Sclerocactus whipplei* subsp. *heilii* (Castetter, P.Pierce & K.H.Schwer.) D.R.Hunt in *Cactaceae Syst. Init.* 20: 23. 2005. Sec. Hunt (2016)**

- ≡ *Sclerocactus whipplei* var. *heilii* Castetter, P.Pierce & K.H.Schwer. in Cact. Succ. J. (Los Angeles) 48(2): 79–80, f. 3–4. 1976 syn. sec. Hunt (2006)

Sclerocactus whipplei* subsp. *whipplei*. Sec. Hunt (2016)**Sclerocactus wrightiae* L.D.Benson in *Cact. Succ. J. (Los Angeles)* 38(2): 55–57, f. 5–6. 1966. Sec. Parfitt & Gibson (2003)**

- ≡ *Pediocactus wrightiae* (L.D.Benson) Arp in Cact. Succ. J. (Los Angeles) 44(5): 222. 1972 syn. sec. Parfitt & Gibson (2003) ≡ *Ferocactus wrightiae* (L.D.Benson) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Parfitt & Gibson (2003)

***Selenicereus* (A.Berger) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 429. 1909. Sec. Korotkova & al. (2017)**

Type: *Selenicereus grandiflorus* (L.) Britton & Rose

- ≡ *Cereus* subsect. *Selenicereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 76. 1905 syn. sec. Korotkova & al. (2017)
 = *Cereus* subg. *Hylocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 72. 1905 syn. sec. Korotkova & al. (2017)
 ≡ *Hylocereus* (A.Berger) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 428. 1909 syn. sec. Korotkova & al. (2017). Type: *Hylocereus triangularis* (L.) Britton & Rose
 = *Werckleocereus* Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 432. 1909 syn. sec. Korotkova & al. (2017). Type: *Werckleocereus tonduzii* (F.A.C.Weber) Britton & Rose
 = *Mediocactus* Britton & Rose, *Cactaceae* 2: 210. 1920 syn. sec. Korotkova & al. (2017)
 = *Wilmattea* Britton & Rose, *Cactaceae* 2: 195. 1920 syn. sec. Korotkova & al. (2017). Type: *Wilmattea minutiflora* (Britton & Rose) Britton & Rose
 = *Cryptocereus* Alexander in *Cact. Succ. J. (Los Angeles)* 22: 164. 1950 syn. sec. Korotkova & al. (2017). Type: *Cryptocereus anthonyanus* Alexander

Notes. – The expanded *Selenicereus* incl. *Hylocereus* and *Weberocereus* p.p. as presented here is based on the results of the comprehensive phylogenetic study of the Hylocereeae of Korotkova et al. (2017). [Korotkova (2021)]

***Selenicereus alliodorus* (Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova ex D.R.Hunt in *Cactaceae Syst. Init.* 39: 4. 2018. Sec. Korotkova (2021)**

- ≡ *Weberocereus alliodorus* Gómez-Hin. & H.M.Hern. in *Brittonia* 66(3): 250, figs. 1-3. 2014 syn. sec. Korotkova (2021) – *Selenicereus alliodorus* (Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova in *Phytotaxa* 327(1): 24. 2017, nom. inval. syn. sec. Korotkova & al. (2017)

***Selenicereus anthonyanus* (Alexander) D.R.Hunt in *Bradleya* 7: 93. 1989. Sec. Korotkova & al. (2017)**

- ≡ *Cryptocereus anthonyanus* Alexander in *Cact. Succ. J. (Los Angeles)* 22: 165. 1950 syn. sec. Korotkova & al. (2017)

Selenicereus atropilosus* Kimmach in *Cact. Succ. J. (Los Angeles)* 50: 268–270. 1978. Sec. Korotkova & al. (2017)**Selenicereus calcaratus* (F.A.C.Weber) D.R.Hunt in *Cactaceae Syst. Init.* 36: 30. 2017. Sec. Korotkova & al. (2017)**

- ≡ *Cereus calcaratus* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 458. 1902 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus calcaratus* (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 428. 1909 syn. sec. Korotkova & al. (2017)

***Selenicereus costaricensis* (F.A.C.Weber) S.Arias & N.Korotkova in *Willdenowia* 51: 265. 2021. Sec. Korotkova (2021)**

- ≡ *Cereus trigonus* var. *costaricensis* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 457. 1902 syn. sec. Korotkova (2021) ≡ *Hylocereus costaricensis* (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 428. 1909 syn. sec. Korotkova (2021) ≡ *Cereus costaricensis* (F.A.C.Weber) A.Berger, *Kakteen*: 122, 337. 1929 syn. sec. Korotkova (2021) – *Selenicereus costaricensis* (F.A.C.Weber) S.Arias & N.Korotkova in *Phytotaxa* 327(1): 25. 2017, nom. inval. syn. sec. Korotkova (2021)

Selenicereus dorschianus* Ralf Bauer in *EPIG* 64: 16. 2009. Sec. Korotkova & al. (2017)**Selenicereus escuintlensis* (Kimmach) D.R.Hunt in *Cactaceae Syst. Init.* 36: 31. 2017. Sec. Korotkova & al. (2017)**

- ≡ *Hylocereus escuintlensis* Kimmach in *Cact. Succ. J. (Los Angeles)* 56(4): 177. 1984 syn. sec. Korotkova & al. (2017)

- Selenicereus extensus* (Salm-Dyck ex DC.) Leuenb. in Bot. Jahrb. Syst. 123(1): 56. 2001.** Sec. Korotkova & al. (2017)
 ≡ *Cereus extensus* Salm-Dyck ex DC., Prodr. 3: 469. 1828 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus extensus* (Salm-Dyck ex DC.) L.H.Bailey ex Britton & Rose in Stand. Cycl. Hort. 3: 1626. 1915 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus extensus* (Salm-Dyck ex DC.) Britton & Rose, Cactaceae 2: 191. 1920, nom. illeg. syn. sec. Korotkova & al. (2017) ≡ *Mediocactus extensus* (Salm-Dyck ex DC.) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017) ≡ *Hylocereus extensus* (Salm-Dyck ex DC.) Ralf Bauer in Cactaceae Syst. Init. 17: 28. 2003, nom. illeg. syn. sec. Korotkova & al. (2017)
 = *Cereus subsquamatus* Pfeiff. in Allg. Gartenzeitung 3: 380. 1835 syn. sec. Britton & Rose (1920)
 = *Cereus schomburgkii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 219. 1850 syn. sec. Britton & Rose (1920)
- Selenicereus glaber* (Eichlam) S.Arias & N.Korotkova ex D.R.Hunt in Cactaceae Syst. Init. 39: 4. 2018.** Sec. Korotkova (2021)
 ≡ *Cereus glaber* Eichlam in Monatsschr. Kakteenk. 20: 150. 1910 syn. sec. Korotkova & al. (2017) ≡ *Werckleocereus glaber* (Eichlam) Britton & Rose in Addisonia 2: 13. 1917 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus glaber* (Eichlam) G.D.Rowley in Natl. Cact. Succ. J. 37(2): 46. 1982 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus glaber* subsp. *glaber* syn. sec. Korotkova & al. (2017) – *Selenicereus glaber* (Eichlam) S.Arias & N.Korotkova in Phytotaxa 327(1): 25. 2017, nom. inval. syn. sec. Korotkova (2021)
- Selenicereus glaber* subsp. *glaber*.** Sec. Korotkova & al. (2017)
- Selenicereus glaber* subsp. *mirandae* (Bravo) S.Arias & N.Korotkova ex M. van der Meer in Cact. Phantast. 8(1): 1. 2019.** Sec. Korotkova (2021)
 ≡ *Selenicereus mirandae* Bravo in Cact. Suc. Mex. 12: 52. 1967 syn. sec. Korotkova & al. (2017) ≡ *Werckleocereus glaber* var. *mirandae* (Bravo) Kimmnach in Cact. Succ. J. (Los Angeles) 50(6): 270. 1978 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus glaber* var. *mirandae* (Bravo) Eliasson in Kaktus (Odense) 21(2): 44. 1986 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus glaber* subsp. *mirandae* (Bravo) Doweld in Sukkulenty 4(1-2): 43. 2002 ["2001"] syn. sec. Korotkova & al. (2017) ≡ *Werckleocereus glaber* subsp. *mirandae* (Bravo) Doweld in Sukkulenty 4(1-2): 43. 2002 ["2001"] syn. sec. Korotkova & al. (2017) – *Selenicereus glaber* subsp. *mirandae* (Bravo) S.Arias & N.Korotkova in Phytotaxa 327(1): 25. 2017, nom. inval. syn. sec. Korotkova (2021)
- Selenicereus grandiflorus* (L.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909.** Sec. Korotkova & al. (2017)
 ≡ *Cactus grandiflorus* L., Sp. Pl.: 467. 1753 syn. sec. Korotkova & al. (2017) ≡ *Cereus grandiflorus* (L.) Mill., Gard. Dict., ed. 8: Cereus No. 11. 1768 syn. sec. Korotkova & al. (2017)
 = *Cereus antoinii* Pfeiff., Enum. Diagn. Cact.: 114. 1837 syn. sec. Kew WCVP (2019)
 = *Cereus obtusus* Pfeiff., Enum. Diagn. Cact.: 114. 1837 syn. sec. Kew WCVP (2019)
 = *Cereus rosaceus* Pfeiff., Enum. Diagn. Cact.: 114. 1837 syn. sec. Kew WCVP (2019)
 = ?*Cereus grandiflorus* var. *minor* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 415. 1846 syn. sec. Britton & Rose (1920)
 = *Cereus grandiflorus* var. *affinis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 51, 216. 1850 ≡ *Selenicereus grandiflorus* var. *affinis* (Salm-Dyck) Borg, Cacti, ed. 1: 206. 1937
 = ?*Cereus scandens* var. *minor* Boerh. ex Arendt in Monatsschr. Kakteenk. 1: 82. 1891 syn. sec. Britton & Rose (1920)
 = *Cereus uranos* B.Schulz in Monatsschr. Kakteenk. 3: 117. 1893 syn. sec. Kew WCVP (2019) ≡ *Cereus grandiflorus* var. *uranos* (B.Schulz) K.Schum. in Monatsschr. Kakteenk. 13: 183. 1903 syn. sec. Kew WCVP (2019) ≡ *Cereus grandiflorus* var. *uranos* (B.Schulz) Schelle, Handb. Kakteenkult.: 89. 1907 syn. sec. TPL (2013)
 = *Cereus nycitalcus* var. *armatus* K.Schum., Gesamtbeschr. Kakt.: 147. 1898 syn. sec. Kew WCVP (2019) ≡ *Cereus grandiflorus* var. *armatus* (K.Schum.) L.D.Benson in Cact. Succ. J. (Los Angeles) 41: 126. 1969 syn. sec. Kew WCVP (2019)
 = *Cereus ophites* Lem. in Monatsschr. Kakteenk. 13: 183. 1903 ≡ *Selenicereus grandiflorus* var. *ophites* (Lem.) Borg, Cacti, ed. 1: 206. 1937
 = *Cereus grandiflorus* var. *uranus* Riccob. in Boll. Reale Orto Bot. Palermo 8: 249. 1909 ≡ *Selenicereus grandiflorus* var. *uranus* (Riccob.) Borg, Cacti, ed. 1: 206. 1937
 = *Selenicereus grandiflorus* var. *barbadensis* Engelm. ex Borg, Cacti, ed. 1: 206. 1937 syn. sec. Kew WCVP (2019)
- Selenicereus grandiflorus* subsp. *donkelaarii* (Salm-Dyck) Ralf Bauer in Cactaceae Syst. Init. 17: 46. 2003.** Sec. Korotkova & al. (2017)
 ≡ *Cereus donkelaarii* Salm-Dyck in Allg. Gartenzeitung 13: 355. 1845 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus donkelaarii* (Salm-Dyck) Britton & Rose in Stand. Cycl. Hort. 6: 3141. 1917 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus donkelaarii* (Salm-Dyck) Britton & Rose, Cactaceae 2: 200. 1920 syn. sec. Korotkova & al. (2017)
- Selenicereus grandiflorus* subsp. *grandiflorus*.** Sec. Korotkova & al. (2017)
 = *Cereus coniflorus* Weing. in Monatsschr. Kakteenk. 14: 118. 1904 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus coniflorus* (Weing.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Korotkova & al. (2017)
 = *Cereus urbanianus* Gürke & Weing. in Notizbl. Königl. Bot. Gart. Berlin 4: 158. 1904 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus urbanianus* (Gürke & Weing.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 242. 1913 syn. sec. Korotkova & al. (2017)
 = *Selenicereus maxonii* Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Korotkova & al. (2017)
 = *Selenicereus pringlei* Rose in Contr. U.S. Natl. Herb. 12: 431. 1909 syn. sec. Korotkova & al. (2017)
 = *Cereus jalapaensis* Vaupel in Monatsschr. Kakteenk. 23: 26, 85. 1913 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus jalapaensis* (Vaupel) Britton & Rose ex Borg, Cacti, ed. 1: 206. 1937 syn. sec. Korotkova & al. (2017)
 = *Cereus paradisiacus* Vaupel in Monatsschr. Kakteenk. 23: 37, 87. 1913 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus paradisiacus* (Vaupel) Borg, Cacti, ed. 1: 161. 1937 syn. sec. Korotkova & al. (2017)

- = *Cereus roseanus* Vaupel in Monatsschr. Kakteenk. 23: 27, 85. 1913 syn. sec. Korotkova & al. (2017)
 – *Selenicereus hallensis* Weing. ex Borg, Cacti, ed. 1: 166. 1937, nom. inval. syn. sec. Korotkova & al. (2017) – *Cereus hallensis* Weing. ex Borg, Cacti, ed. 2: 211. 1951, nom. inval. syn. sec. Korotkova & al. (2017)
- Selenicereus grandiflorus* subsp. *hondurensis* (K.Schum. ex Weing.) Ralf Bauer in *Cactaceae Syst. Init.* 17: 45. 2003.** Sec. Korotkova & al. (2017)
 ≡ *Cereus hondurensis* K.Schum. ex Weing. in Monatsschr. Kakteenk. 14: 147. 1904 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus hondurensis* (K.Schum. ex Weing.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Korotkova & al. (2017)
- Selenicereus grandiflorus* subsp. *lautneri* Ralf Bauer in *Cactaceae Syst. Init.* 17: 45. 2003.** Sec. Korotkova & al. (2017)
- Selenicereus guatemalensis* (Eichlam ex Weingart) D.R.Hunt in *Cactaceae Syst. Init.* 36: 32. 2017.** Sec. Korotkova & al. (2017)
 ≡ *Cereus trigonus* var. *guatemalensis* Eichlam ex Weing. in Monatsschr. Kakteenk. 21(5): 68. 1911 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus guatemalensis* (Eichlam ex Weing.) Britton & Rose, Cactaceae 2: 184. 1920 syn. sec. Korotkova & al. (2017) ≡ *Cereus triangularis* f. *guatemalensis* (Eichlam ex Weing.) Schelle, Kakteen: 128. 1926 syn. sec. Korotkova (2021) ≡ *Cereus guatemalensis* (Eichlam ex Weing.) A.Berger, Kakteen: 121. 1929 syn. sec. Korotkova & al. (2017)
- Selenicereus hamatus* (Scheidw.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909.** Sec. Korotkova & al. (2017)
 ≡ *Cereus hamatus* Scheidw. in Allg. Gartenzeitung 5: 371. 1837 syn. sec. Korotkova & al. (2017)
 = *Cactus reptans* Willd., Enum. Pl., Suppl.: 33. 1814 syn. sec. Kew WCVP (2019)
 = *Cereus rostratus* Lem., Cact. Aliq. Nov. Desc.: 29. 1838 syn. sec. Korotkova & al. (2017)
- Selenicereus inermis* (Otto ex Pfeiff.) Britton & Rose, *Cactaceae* 2: 207. 1920.** Sec. Korotkova & al. (2017)
 ≡ *Cereus inermis* Otto ex Pfeiff., Enum. Diagn. Cact.: 116. 1837 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus inermis* (Otto ex Pfeiff.) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017)
 = *Cereus karstenii* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 218. 1850 syn. sec. Korotkova & al. (2017)
 = *Cereus wercklei* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 460. 1902 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus wercklei* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 208. 1920 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus wercklei* (F.A.C.Weber) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017) ≡ *Selenicereus inermis* subsp. *wercklei* (F.A.C.Weber) Gómez-Hin. & H.M.Hern. in Brittonia 66: 58. 2013 syn. sec. Korotkova (2021)
 = *Epiphyllum steyermarkii* Croizat in Phytologia 28(1): 19. 1974 syn. sec. Korotkova & al. (2017)
 = *Selenicereus rubineus* Kimmach in Cact. Succ. J. (Los Angeles) 65(1): 17. 1993 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus inermis* subsp. *rubineus* (Kimmach) Gómez-Hin. & H.M.Hern. in Brittonia 66: 57. 2013 syn. sec. Korotkova (2021)
- Selenicereus megalanthus* (K.Schum. ex Vaupel) Moran in *Gentes Herbarum* 8: 325. 1953.** Sec. Korotkova & al. (2017)
 ≡ *Cereus megalanthus* K.Schum. ex Vaupel in Notizbl. Königl. Bot. Gart. Berlin 5: 284. 1913 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus megalanthus* (K.Schum. ex Vaupel) Britton & Rose, Cactaceae 2: 212. 1920 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus megalanthus* (K.Schum. ex Vaupel) Ralf Bauer in Cactaceae Syst. Init. 17: 28. 2003 syn. sec. Korotkova & al. (2017)
- Selenicereus minutiflorus* (Britton & Rose) D.R.Hunt in *Cactaceae Syst. Init.* 36: 33. 2017.** Sec. Korotkova & al. (2017)
 ≡ *Hylocereus minutiflorus* Britton & Rose in Contr. U.S. Natl. Herb. 16: 240. 1913 syn. sec. Korotkova & al. (2017) ≡ *Cereus minutiflorus* (Britton & Rose) Vaupel in Monatsschr. Kakteenk. 23: 86, 87. 1913 syn. sec. Korotkova & al. (2017) ≡ *Wilmattea minutiflora* (Britton & Rose) Britton & Rose, Cactaceae 2: 195. 1920 syn. sec. Korotkova & al. (2017)
- Selenicereus monacanthus* (Lem.) D.R.Hunt in *Cactaceae Syst. Init.* 36: 33. 2017.** Sec. Korotkova & al. (2017)
 ≡ *Cereus monacanthus* Lem. in Hort. Univ. 6: 60. 1841 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus monacanthus* (Lem.) Britton & Rose, Cactaceae 2: 190. 1920 syn. sec. Korotkova & al. (2017)
 = *Cereus extensus* Salm-Dyck ex DC. sensu Hooker syn. sec. Korotkova & al. 2017 in Bot. Mag. 70: t. 4066. 1844 syn. sec. Korotkova & al. (2017)
 = *Cereus scandens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 219. 1850 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus scandens* (Salm-Dyck) Backeb., Cactaceae 2: 817. 1959 syn. sec. Korotkova & al. (2017)
 = *Cereus lemairei* Hook. in Bot. Mag. 80: t. 4814. 1854 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus lemairei* (Hook.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 428. 1909 syn. sec. Korotkova & al. (2017)
 = *Cereus trinitatis* Lem. & Herm. in Rev. Hort. (Paris), ser. 4, 8: 642. 1859 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus trinitatis* (Lem. & Herm.) A.Berger, Kakteen: 341. 1929 syn. sec. Korotkova & al. (2017)
 = *Cereus monacanthus* Cels ex K.Schum., Gesamtbeschr. Kakt.: 142. 1897 syn. sec. Kew WCVP (2019)
 = *Cereus polyrhizus* F.A.C.Weber in Schumann, Gesamtbeschr. Kakt.: 151. 1897 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus polyrhizus* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 185. 1920 syn. sec. Korotkova & al. (2017)
 = *Cereus schomburgkii* Otto ex K.Schum., Gesamtbeschr. Kakt.: 158. 1897 syn. sec. Kew WCVP (2019)
 = *Hylocereus venezuelensis* Britton & Rose, Cactaceae 2: 186, 226. 1920 syn. sec. Korotkova & al. (2017) ≡ *Wilmattea venezuelensis* (Britton & Rose) Croizat in Pittieria 4: 39. 1972 syn. sec. Korotkova & al. (2017) ≡ *Cereus venezuelensis* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 23, 67. 1931 syn. sec. Kew WCVP (2019)
 = *Hylocereus peruvianus* Backeb. in Blätt. Kakteenf. 1937(7): 10. 1937 syn. sec. Korotkova & al. (2017)
 = *Hylocereus estebanensis* Backeb., Descr. Cact. Nov. 1: 11. 1957 ["1956"] syn. sec. Korotkova & al. (2017)
 – *Cereus lemoinei* Möllers in Deutsche Gärt.-Zeitung 6: 92. 1891 [is misspelling for *Cereus lemairei* Hook.]

***Selenicereus murrillii* Britton & Rose, Cactaceae 2: 206. 1920.** Sec. Korotkova & al. (2017)

≡ *Cereus murillii* (Britton & Rose) A.Berger, Kakteen: 117, 338. 1929 syn. sec. Kew WCVP (2019) ≡ *Mediocactus murrillii* (Britton & Rose) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017)

***Selenicereus nelsonii* (Weing.) Britton & Rose, Cactaceae 4: 283. 1923.** Sec. Korotkova & al. (2017)

≡ *Cereus nelsonii* Weing. in Z. Sukkulentenk. 1: 33. 1923 syn. sec. Korotkova & al. (2017)

***Selenicereus ocamponis* (Salm-Dyck) D.R.Hunt in Cactaceae Syst. Init. 36: 34. 2017.** Sec. Korotkova & al. (2017)

≡ *Cereus ocamponis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 220. 1850 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus ocamponis* (Salm-Dyck) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)
= ?*Hylocereus bronxensis* Britton & Rose, Cactaceae 2: 185. 1920 syn. sec. Bauer (2003)

***Selenicereus pteranthus* (Link ex A.Dietr.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 431. 1909.** Sec. Korotkova & al. (2017)

≡ *Cereus pteranthus* Link ex A.Dietr. in Allg. Gartenzeitung 2: 209–210. 1834 syn. sec. Korotkova & al. (2017)
= *Cereus nycticalus* Link ex A.Dietr. in Verh. Preuss. Ver. Gartenb. 10: 373. 1834, nom. illeg. syn. sec. Anderson (2005) ≡ *Selenicereus nycticalus* (Link ex A.Dietr.) W.T.Marshall syn. sec. Anderson (2005)
= *Cereus grandiflorus* var. *ophites* K.Schum. in Monatsschr. Kakteenk. 13: 183. 1903 syn. sec. Kew WCVP (2019)
= *Cereus vaupelii* Weing. in Monatsschr. Kakteenk. 22: 106. 1912 syn. sec. Anderson (2005) ≡ *Selenicereus vaupelii* (Weing.) A.Berger, Kakteen: 114. 1929 syn. sec. Anderson (2005)
– *Selenicereus grandiflorus* var. *telli* Borg, Cacti, ed. 2: 161, 206. 1951, nom. inval. syn. sec. Kew WCVP (2019)

***Selenicereus pteranthus* f. *macdonaldae* (Hook.) Ralf Bauer in Cactaceae Syst. Init. 17: 44. 2003.** Sec. Korotkova & al. (2017)

≡ *Cereus macdonaldiae* Hook. in Curtis's Bot. Mag. 79: t. 4707. 1853 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus macdonaldae* (Hook.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus macdonaldiae* (Hook.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Kew WCVP (2019) ≡ *Selenicereus pteranthus* f. *macdonaldiae* (Hook.) Ralf Bauer in Cactaceae Syst. Init. 17: 44. 2003 syn. sec. Kew WCVP (2019)
= *Cereus grusonianus* Weing. in Monatsschr. Kakteenk. 15: 54. 1905 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus grusonianus* (Weing.) A.Berger, Kakteen: 116, 346. 1929 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus macdonaldae* var. *grusonianus* (Weing.) Backeb., Cactaceae 2: 788. 1959 syn. sec. Korotkova & al. (2017)
= *Cereus rothii* Weing. in Monatsschr. Kakteenk. 32: 146. 1922 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus rothii* (Weing.) A.Berger, Kakteen: 116. 1929 syn. sec. Korotkova & al. (2017)

***Selenicereus pteranthus* f. *pteranthus*.** Sec. Korotkova & al. (2017)

= *Cereus brevispinulus* Salm-Dyck, Hort. Dyck.: 339. 1834 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus brevispinus* (Salm-Dyck) Britton & Rose, Cactaceae 2: 201, 278. 1920 syn. sec. Korotkova & al. (2017) ≡ *Cereus brevispinus* A.Berger, Kakteen: 113, 337. 1929 syn. sec. Korotkova (2021)
= *Cereus boeckmannii* Otto ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 217. 1850 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus boeckmannii* (Otto ex Salm-Dyck) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)
= *Cereus kunthianus* Hort.Berol. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 217. 1850 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus kunthianus* (Hort.Berol. ex Salm-Dyck) Britton & Rose in Contr. U.S. Natl. Herb. 12: 430. 1909 syn. sec. Korotkova & al. (2017)
= *Cereus irradians* Lem. in Ill. Hort. 11: Misc 74. 1864 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus grandiflorus* var. *irradians* (Lem.) Borg, Cacti, ed. 2: 206. 1951 syn. sec. Korotkova & al. (2017)

***Selenicereus purpusii* (Weing.) S.Arias & N.Korotkova ex D.R.Hunt in Cactaceae Syst. Init. 39: 4. 2018.** Sec. Korotkova (2021)

≡ *Cereus purpusii* Weing. in Monatsschr. Kakteenk. 19: 150. 1909 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus purpusii* (Weing.) Britton & Rose, Cactaceae 2: 184. 1920 syn. sec. Korotkova & al. (2017) – *Selenicereus purpusii* (Weing.) S.Arias & N.Korotkova in Phytotaxa 327(1): 28. 2017, nom. inval. syn. sec. Korotkova (2021)

***Selenicereus setaceus* (Salm-Dyck ex DC.) Werderm., Bras. Säulenkakt.: 87. 1933.** Sec. Korotkova & al. (2017)

≡ *Cereus setaceus* Salm-Dyck ex DC., Prodr. 3: 469. 1828 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus setaceus* (Salm-Dyck ex DC.) Borg, Cacti, ed. 2: 213. 1951 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus setaceus* (Salm-Dyck ex DC.) Ralf Bauer in Cactaceae Syst. Init. 17: 29. 2003 syn. sec. Korotkova & al. (2017)
= *Cereus coccineus* Salm-Dyck ex DC., Prodr. 3: 469. 1828 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus coccineus* (Salm-Dyck ex DC.) Britton & Rose, Cactaceae 2: 211. 1920 syn. sec. Korotkova & al. (2017)
= ?*Cereus prismaticus* Salm-Dyck ex DC., Prodr. 3: 469. 1828 syn. sec. Britton & Rose (1920)
= *Cereus setaceus* var. *viridior* Salm-Dyck, Hort. Dyck.: 65. 1834 syn. sec. Britton & Rose (1920)
= *Cereus lindbergianus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 151. 1897 syn. sec. Korotkova & al. (2017)
= *Cereus lindmanii* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 163. 1897 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus lindmanii* (F.A.C.Weber ex K.Schum.) Backeb., Cactaceae 2: 798. 1959 syn. sec. Korotkova & al. (2017)
= *Cereus hassleri* K.Schum. in Monatsschr. Kakteenk. 10: 45. 1900 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus hassleri* (K.Schum.) Backeb., Cactaceae 2: 798. 1959 syn. sec. Korotkova & al. (2017)
= *Selenicereus rizzinii* Scheinvar in Revista Brasil. Biol. 34(2): 251. 1974 syn. sec. Korotkova & al. (2017)

***Selenicereus spinulosus* (DC.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 431. 1909.** Sec. Korotkova & al. (2017)

≡ *Cereus spinulosus* DC. in Mém. Mus. Hist. Nat. 17: 117. 1828 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus spinulosus* (DC.) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017)

– *Cereus pseudospinulosus* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 3: 255. 1931, nom. nud. syn. sec. Korotkova & al. (2017)

– *Selenicereus pseudospinulosus* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 3: 255. 1931, nom. nud. syn. sec. Korotkova & al. (2017)

***Selenicereus stenopterus* (F.A.C.Weber) D.R.Hunt in Cactaceae Syst. Init. 36: 35. 2017.** Sec. Korotkova & al. (2017)

≡ *Cereus stenopterus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 458. 1902 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus stenopterus* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)

***Selenicereus tonduzii* (F.A.C.Weber) S.Arias & N.Korotkova ex D.R.Hunt in Cactaceae Syst. Init. 39: 4. 2018.** Sec. Korotkova (2021)

≡ *Cereus tonduzii* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 8: 459. 1902 syn. sec. Korotkova & al. (2017) ≡ *Werckleocereus tonduzii* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 12: 432. 1909 syn. sec. Korotkova & al. (2017) ≡

Weberocereus tonduzii (F.A.C.Weber) G.D.Rowley in Natl. Cact. Succ. J. 37(2): 46. 1982 syn. sec. Korotkova & al. (2017) – *Selenicereus tonduzii* (F.A.C.Weber) S.Arias & N.Korotkova in Phytotaxa 327(1): 29. 2017, nom. inval. syn. sec. Korotkova (2021)

***Selenicereus triangularis* (L.) D.R.Hunt in Cactaceae Syst. Init. 36: 35. 2017.** Sec. Korotkova & al. (2017)

≡ *Cactus triangularis* L., Sp. Pl.: 468. 1753 syn. sec. Korotkova & al. (2017) ≡ *Cereus triangularis* (L.) Haw., Syn. Pl. Succ.: 180. 1812 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus triangularis* (L.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)

= *Cereus compressus* Mill., Gard. Dict., ed. 8: Cereus No. 10. 1768 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus compressus* (Mill.) Y.Itô, Cactaceae: 122. 1981, comb. illeg. syn. sec. Korotkova & al. (2017)

= ?*Cereus triangularis* Mill., Gard. Dict., ed. 8: Cereus No. 9. 1768 syn. sec. Korotkova & al. (2017)

= *Cactus triangularis* var. *variegatus* Bertol. in Giorn. Arcadico Sci. 29: 342. 1826 syn. sec. Kew WCVP (2019)

= *Cereus triangularis* var. *major* DC., Prodr. 3: 468. 1828 syn. sec. Kew WCVP (2019)

= *Cereus triangularis* var. *pictus* DC., Prodr. 3: 468. 1828 syn. sec. Kew WCVP (2019)

= *Cactus triangularis* Vell., Fl. Flumin.: 206. 1829 syn. sec. Korotkova & al. (2017) ≡ *Cactus triangularis* Vell., Fl. Flumin. Icon. 5: t. 24. 1831 syn. sec. Korotkova & al. (2017)

= *Cactus napoleonis* Loudon, Encycl. Pl. Suppl. 1: 1202. 1840 syn. sec. Kew WCVP (2019)

= *Cereus anizogonus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 52. 1850 syn. sec. Kew WCVP (2019)

= *Cereus venditus* Paulsen in J. Bot. 56: 235. 1918 syn. sec. Kew WCVP (2019)

= *Hylocereus cubensis* Britton & Rose, Cactaceae 2: 188. 1920 syn. sec. Korotkova & al. (2017)

– *Cactus anizogonus* Hort. Angl. ex Rümpler, Handb. Cacteenk., ed. 2: 764. 1885, nom. inval. syn. sec. Rümpler (1886)

Notes. – **Notes on *Selenicereus triangularis*:** The publication year of Plukenet's *Phytographia* containing the lectotype was incorrectly given by Doweld l.c as 1696.

Notes on *Cereus compressus*: Miller (1768) described *Cereus compressus* as different from *Cereus triangularis*. Yet in the protologue of *C. compressus*, he cited Plukenet's illustration from the "Phytographia" (Plukenet 1691). Miller apparently confused the figure of Plukenet, that was originally associated with the name *Cactus triangularis* by Linnaeus and associated it with his name *Cereus compressus*. Doweld (2002b) designated Plukenet's illustration as the lectotypes of both, *Cactus triangularis* Linnaeus and *Cereus compressus* Miller Therefore *Cereus compressus* Miller has to be a homotypic synonym of *Cactus triangularis* Linnaeus.

The name *Cereus triangularis* (Linnaeus) Miller is therefore not a combination of *Cactus triangularis* Linnaeus because it is based on a different type. However, it is unclear what exactly Miller based this name on. Therefore, Miller's name was probably not used or mentioned by later authors and should best be formally rejected. [Korotkova & al. (2017)]

***Selenicereus tricae* D.R.Hunt in Bradleya 7: 91. 1989.** Sec. Korotkova & al. (2017)

≡ *Mediocactus tricae* (D.R.Hunt) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017) ≡

Hylocereus tricae (D.R.Hunt) Ralf Bauer in Cactaceae Syst. Init. 17: 29. 2003 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus inermis* subsp. *tricae* (D.R.Hunt) Ralf Bauer in EPIG 66: 12. 2010 syn. sec. Korotkova & al. (2017)

***Selenicereus trigonus* (Haw.) S.Arias & N.Korotkova in Phytotaxa 327(1): 29. 2017.** Sec. Korotkova & al. (2017)

≡ *Cereus trigonus* Haw., Syn. Pl. Succ.: 181. 1812 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus trigonus* (Haw.) Saff. in Annual Rep. U.S. Natl. Mus. 1908: 553, 556. 1909 syn. sec. Korotkova & al. (2017)

= *Cactus triqueter* Haw., Misc. Nat.: 198. 1803 syn. sec. Britton & Rose (1920) ≡ *Cereus triqueter* Haw., Syn. Pl. Succ.: 181. 1812 syn. sec. Britton & Rose (1920)

= *Cereus napoleonis* Graham in Bot. Mag. 63: t. 3458. 1836 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus napoleonis* (Graham) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)

= *Cereus lanceanus* Don, Hort. Brit., ed. 3: 285. 1839 syn. sec. Britton & Rose (1920)

= *Cereus inversus* C.F.Först., Handb. Cacteenk.: 422. 1846 syn. sec. Korotkova & al. (2017)

= *Cereus plumieri* Rol.-Goss. in Bull. Soc. Bot. France 54: 668. 1908 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus plumieri* (Rol.-Goss.) Lourteig in Bradea 5(44): 406. 1991 syn. sec. Korotkova & al. (2017)

= *Hylocereus antiguensis* Britton & Rose, Cactaceae 2: 193. 1920 syn. sec. Korotkova & al. (2017)

***Selenicereus undatus* (Haw.) D.R.Hunt in Cactaceae Syst. Init. 36: 35. 2017.** Sec. Korotkova & al. (2017)

- ≡ *Cereus undatus* Haw. in Philos. Mag. Ann. Chem. 7: 110. 1830 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus undatus* (Haw.) Britton & Rose, Fl. Bermuda: 256. 1918 syn. sec. Korotkova & al. (2017)
 = *Cereus tricostatus* Rol.-Goss. in Bull. Soc. Bot. France 54: 664. 1908 syn. sec. Korotkova & al. (2017) ≡ *Hylocereus tricostatus* (Rol.-Goss.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 429. 1909 syn. sec. Korotkova & al. (2017)
 = *Hylocereus undatus* subsp. *luteocarpus* Cáliz de Dios in Haseltonia 11: 12. 2005 syn. sec. Kew WCVP (2019)

***Selenicereus vagans* (K.Brandegee) Britton & Rose in Contr. U.S. Natl. Herb. 16: 242. 1913.** Sec. Korotkova & al. (2017)

- ≡ *Cereus vagans* K.Brandegee in Zoë 5(10): 191. 1905 syn. sec. Korotkova & al. (2017) ≡ *Mediocactus vagans* (K.Brandegee) Doweld in Sukkulenty 4(1-2): 42. 2002 ["2001"] syn. sec. Korotkova & al. (2017)
 = *Cereus longicaudatus* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 10: 384. 1904 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus longicaudatus* (F.A.C.Weber) Borg, Cacti, ed. 1: 166. 1937 syn. sec. Korotkova & al. (2017)

Selenicereus validus* S.Arias & U.Guzmán in Cact. Suc. Mex. 40: 27–28. 1995.** Sec. Korotkova & al. (2017)Setiechinopsis* Backeb. ex de Haas in Succulenta (Netherlands) 22: 9. 1940.** Sec. Schlumpberger (2021)

Type: *Setiechinopsis mirabilis* (Speg.) Backeb. ex de Haas

- ≡ *Echinopsis* subg. *Setiechinopsis* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938
 ≡ *Setiechinopsis* Backeb. in Cact. Succ. J. (Los Angeles) 22: 153. 1950
 = *Acanthopetalus* Y.Itô, Explan. Diagr. Austroechinocactinae: 141, 292. 1957, nom. illeg. syn. sec. Tropicos

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Setiechinopsis mirabilis* (Speg.) Backeb. ex de Haas in Succulenta (Netherlands) 22: 9. 1940.** Sec. Hunt (2016)

- ≡ *Echinopsis mirabilis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 489. 1905 ≡ *Arthrocerus mirabilis* (Speg.) W.T.Marshall in Marshall & Bock, Cactaceae: 91. 1941 ≡ *Acanthopetalus mirabilis* (Speg.) Y.Itô, Explan. Diagr. Austroechinocactinae: 143. 1957 syn. sec. Tropicos
 = *Setiechinopsis mirabilis* var. *gracilior* Backeb., Descr. Cact. Nov. 3: 14. 1963 syn. sec. Kew WCVP (2019) ≡ *Arthrocerus mirabilis* var. *gracilior* (Backeb.) Donald in Ashingtonia 2(3): 3. 1975 syn. sec. Kew WCVP (2019)

***Soehrensia* Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938.** Sec. Hunt (2016)

Type: *Soehrensia bruchii* (Britton & Rose) Backeb.

- = *Helianthocereus* Backeb. in Cact. Succ. J. Gr. Brit. 11: 53. 1949 syn. sec. Korotkova (2021). Type: *Helianthocereus poco* (Backeb.) Backeb.

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. Hunt (2016), CITES Cactaceae Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Soehrensia angelesiae* (R.Kiesling) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Trichocereus angelesiae* R.Kiesling in Darwiniana 21(2-4): 314-315. 1978 syn. sec. Schlumpberger (2012) ≡ *Echinopsis angelesiae* (R.Kiesling) G.D.Rowley in Repert. Pl. Succ. 29: 5. 1980 – *Trichocereus angelesii* R.Kiesling in Darwiniana 21: 314. 1978, nom. inval. syn. sec. Korotkova & al. (2021) [is misspelling for *Trichocereus angelesiae* R.Kiesling]

***Soehrensia arboricola* (Kimmach) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Trichocereus arboricola* Kimmach in Cact. Succ. J. (Los Angeles) 62: 4-5. 1990 syn. sec. Schlumpberger (2012) ≡ *Echinopsis arboricola* (Kimmach) Mottram in Cactaceae Consensus Init. 2: 8. 1997

***Soehrensia bruchii* (Britton & Rose) Backeb. in Blätt. Kakteenf. 1938(6): 21. 1938.** Sec. Anderson (2005)

- ≡ *Lobivia bruchii* Britton & Rose, Cactaceae 3: 50. 1922 ≡ *Eriosyce bruchii* (Britton & Rose) Backeb. in Backeberg & Knuth, Kaktus-ABC: 273. 1935 syn. sec. Korotkova (2021) ≡ *Echinopsis bruchii* (Britton & Rose) A.Cast. & H.V.Lelong, Gen. Sp. Pl. Argent. 1: 90. 1943 syn. sec. Korotkova (2021) ≡ *Lobivia formosa* subsp. *bruchii* (Britton & Rose) Rausch, Lobivia: 164. 1975 ≡ *Trichocereus bruchii* (Britton & Rose) F.Ritter, Kakteen Südamerika 2: 450. 1980 ≡ *Echinopsis bruchii* (Britton & Rose) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 syn. sec. Korotkova (2021) ≡ *Lobivia formosa* var. *bruchii* (Britton & Rose) Rausch, Lobivia 85: 48. 1987 ["1985"] syn. sec. Tropicos ≡ *Echinopsis formosa* subsp. *bruchii* (Britton & Rose) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. Hunt (2016) ≡ *Trichocereus formosus* subsp. *bruchii* (Britton & Rose) Guiggi in Cactology 3: 8. 2012 syn. sec. Korotkova (2021) – *Echinopsis formosa* subsp. *bruchii* (Britton & Rose) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. TPL (2013) [is orthographic variant for *Echinopsis formosa* subsp. *bruchii* (Britton & Rose) M.Lowry]
 = *Lobivia grandis* Britton & Rose, Cactaceae 3: 58–59, f. 76, 78. 1922 syn. sec. Tropicos ≡ *Pseudolobivia grandis* (Britton & Rose) Krainz in Mitt. Schweiz. Kakteen-Ges. 1946: 36. 1946 syn. sec. Kew WCVP (2019) ≡ *Soehrensia grandis* (Britton & Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23: 86. 1951 ≡ *Echinopsis grandis* (Britton & Rose) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974 ≡ *Lobivia formosa* subsp. *grandis* (Britton & Rose) Rausch, Lobivia: 164. 1975 syn. sec. Kew WCVP (2019) ≡ *Trichocereus grandis* (Britton & Rose) F.Ritter, Kakteen Südamerika 2: 450. 1980 ≡ *Lobivia formosa* var. *grandis* (Britton & Rose) Rausch, Lobivia 85: 49. 1987 ["1985"]
 = *Soehrensia ingens* Backeb. in Cact. Succ. J. (Los Angeles) 23: 86. 1951 ≡ *Echinopsis ingens* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Hunt (2016) ≡ *Trichocereus ingens* (Backeb.) F.Ritter, Kakteen Südamerika 2: 451. 1980
 = *Soehrensia bruchii* var. *aureorubriflora* Y.Itô, Saboten: 54. 1962 syn. sec. Kew WCVP (2019)

- = *Trichocereus bruchii* var. *brevispinus* F.Ritter, *Kakteen Südamerika* 2: 450. 1980 syn. sec. Kew WCVP (2019)
 – *Soehrensia bruchii* var. *albiflora* Y.Itô, *Cactaceae*: 647. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Soehrensia bruchii* var. *atropurpureiflora* Y.Itô, *Cactaceae*: 649. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Soehrensia bruchii* var. *aurantiiflora* Y.Itô, *Cactaceae*: 648. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Soehrensia bruchii* var. *roseiflora* Y.Itô, *Cactaceae*: 648. 1981, nom. inval. syn. sec. Kew WCVP (2019)
 – *Soehrensia bruchii* var. *roseorubriflora* Y.Itô, *Cactaceae*: 648. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Soehrensia camarguensis* (Cárdenas) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)
 ≡ *Trichocereus camarguensis* Cárdenas in *Revista Agric. (Cochabamba)* 8: 17. 1953 syn. sec. Schlumpberger (2012) ≡
Echinopsis camarguensis (Cárdenas) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 94. 1974 syn. sec. Schlumpberger (2012)
- Soehrensia candicans* (Gillies ex Salm-Dyck) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)
 ≡ *Cereus candicans* Gillies ex Salm-Dyck, *Hort. Dyck.*: 335. 1834 syn. sec. Schlumpberger (2012) ≡ *Echinocereus candicans*
 (Gillies ex Salm-Dyck) Lem., *Cactées*: 57. 1868 syn. sec. WFO 2019 ≡ *Echinocereus candicans* (Gillies ex Salm-Dyck)
 Rümpler, *Handb. Cacteenk.*, ed. 2: 832. 1885 syn. sec. WFO 2019 ≡ *Trichocereus candicans* (Gillies ex Salm-Dyck) Britton &
 Rose, *Cactaceae* 2: 142–143, f. 195. 1920 syn. sec. Tropicos ≡ *Echinopsis candicans* (Gillies ex Salm-Dyck) D.R.Hunt in
Bradleya 5: 92. 1987
- = *Cereus candicans* var. *tenuispinus* Pfeiff., *Enum. Diagn. Cact.*: 91. 1837 syn. sec. Kew WCVP (2019) ≡ *Trichocereus*
candicans var. *tenuispinus* (Pfeiff.) Backeb. in *Cactus (Paris)* 41: 107. 1954 syn. sec. Kew WCVP (2019) ≡ *Echinopsis*
candicans var. *tenuispina* (Pfeiff.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 94. 1974 syn. sec. Kew WCVP (2019)
 = *Cereus montezumae* Pfeiff., *Enum. Diagn. Cact.*: 91. 1837 syn. sec. Kew WCVP (2019)
 = *Echinocactus candicans* Pfeiff., *Enum. Diagn. Cact.*: 91. 1837 syn. sec. Britton & Rose (1920)
 = *Cereus gladiatus* Lem., *Cact. Aliq. Nov.*: 28. 1838 syn. sec. Kew WCVP (2019) ≡ *Echinocereus gladiatus* (Lem.) J.N.Haage in
Preis-Verz. Cact.: 22. 1859 syn. sec. Britton & Rose (1920) ≡ *Cereus candicans* var. *gladiatus* (Lem.) K.Schum.,
Gesamtbeschr. Kakt.: 70. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus candicans* f. *gladiatus* (Lem.) Schelle, *Handb.*
Kakteenkult.: 66. 1907 syn. sec. Kew WCVP (2019) ≡ *Trichocereus gladiatus* (Lem.) Backeb., *Kaktus-ABC*: 202. 1936
 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis candicans* var. *gladiata* (Lem.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.*
 3(3): 94. 1974 syn. sec. Kew WCVP (2019) – *Trichocereus candicans* var. *gladiatus* (Lem.) Y.Itô, *Cactaceae*: 161. 1981, nom.
 inval. syn. sec. Kew WCVP (2019)
 = *Cereus nitens* Salm-Dyck ex Otto & A.Dietr. in *Allg. Gartenzeitung* 13: 354. 1845 syn. sec. Kew WCVP (2019) ≡
Trichocereus candicans var. *nitens* (Salm-Dyck ex Otto & Dietr.) F.Ritter, *Kakteen Südamerika* 2: 443, 354. 1980 syn. sec.
 Kew WCVP (2019)
 = *Cereus candicans* var. *robustior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 43. 1850 syn. sec. Tropicos ≡ *Cereus candicans* f.
robustior (Salm-Dyck) Schelle, *Handb. Kakteenkult.*: 66. 1907 syn. sec. Tropicos
 = *Echinopsis dumeliana* Cels ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 39. 1850 syn. sec. Britton & Rose (1920) ≡ *Echinopsis*
dumesniliana Cels ex K.Schum., *Gesamtbeschr. Kakt.*: 69. 1897 syn. sec. Schumann (1899)
 = *Echinocereus candicans* var. *tenuispinus* H.Pfeiff. ex Rümpler, *Handb. Cacteenk.*, ed. 2: 833. 1885 syn. sec. Kew WCVP
 (2019)
 = *Cereus candicans* var. *dumesnilianus* Zeiss. in *Monatsschr. Kakteenk.* 3: 140. 1893 syn. sec. Kew WCVP (2019)
 = *Cereus dumesnilianus* Haage ex Schumann in *Monatsschr. Kakteenk.* 4: 172. 1894 syn. sec. Britton & Rose (1920)
 = *Cereus dumesnilianus* Monv. ex F.A.C.Weber, *Dict. Hort.*: 279. 1894 syn. sec. Britton & Rose (1920)
 = *Cereus candicans* var. *courantii* K.Schum., *Gesamtbeschr. Kakt.*: 70. 1897 syn. sec. Kew WCVP (2019) ≡ *Cereus candicans* f.
courantii (K.Schum.) Schelle, *Handb. Kakteenkult.*: 66. 1907 ≡ *Trichocereus courantii* (K.Schum.) Backeb. in *Cactus (Paris)*
 41: 107. 1954 syn. sec. Tropicos ≡ *Echinopsis courantii* (K.Schum.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 95. 1974
 = *Cereus lamprochlorus* var. *salinicola* Speg. in *Anales Mus. Nac. Buenos Aires* 7: 286. 1902 syn. sec. Kew WCVP (2019)
 = *Trichocereus gladiatus* Frič in *Möller's Deutsche Gärtn.-Zeitung* 47: 421. 1932 syn. sec. Kew WCVP (2019)
 = *Trichocereus purpureopilosus* Weing., *Kaktus-ABC*: 204. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis*
purpureopilosa (Weing.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 97. 1974 ≡ *Trichocereus purpureopilosa* Weing.
 = *Trichocereus neolamprochlorus* Backeb., *Cactaceae* 2: 1126. 1959 syn. sec. Tropicos
 = *Trichocereus candicans* var. *roseiflorus* Backeb., *Descr. Cact. Nov.* 3: 15. 1963 syn. sec. Kew WCVP (2019) ≡
Helianthocereus pseudocandicans var. *roseiflorus* (Backeb.) Backeb., *Kakteenlex.*: 187. 1966 syn. sec. Kew WCVP (2019)
 = *Helianthocereus pseudocandicans* Backeb., *Kakteenlex.*: 187. 1966 syn. sec. Kew WCVP (2019)
 = *Helianthocereus pseudocandicans* var. *flaviflorus* Backeb., *Kakteenlex.*: 187. 1966 syn. sec. Kew WCVP (2019)
 = *Trichocereus pseudocandicans* R.Kiesling in *Hickenia* 1: 32. 1976 ≡ *Echinopsis pseudocandicans* (R.Kiesling) H.Friedrich &
 Glaetzle in *Bradleya* 1: 96. 1983, nom. illeg. syn. sec. Tropicos
 = *Trichocereus candicans* f. *rubriflorus* F.Ritter, *Kakteen Südamerika* 2: 440. 1980 syn. sec. Kew WCVP (2019)
 – *Cereus gladiatus* var. *courantii* Rümpler, *Handb. Cacteenk.*, ed. 2: 833. 1885, nom. inval. syn. sec. Rümpler (1885)
 – *Trichocereus candicans* subsp. *pseudocandicans* Lodé in *Cact.-Avent. Int.* 97: 2. 2012 ["2013"], nom. inval. syn. sec. Kew
 WCVP (2019)
- Soehrensia caulescens* (F.Ritter) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)
 ≡ *Trichocereus caulescens* F.Ritter in *Cactus (Paris)* 87: 11. 1966 syn. sec. Schlumpberger (2012) ≡ *Echinopsis caulescens*
 (F.Ritter) M.Lowry in *Cactaceae Syst. Init.* 14: 13. 2002 ≡ *Trichocereus camarguensis* subsp. *caulescens* (F.Ritter) Guiggi in
Cactology 3 (Suppl. II): 5. 2012 syn. sec. Korotkova (2021)

***Soehrensia crassicaulis* (R.Kiesling) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Lobivia crassicaulis* R.Kiesling in Darwiniana 21(2-4): 324. 1978 syn. sec. Schlumpberger (2012) ≡ *Echinopsis crassicaulis* (R.Kiesling) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983 ≡ *Lobivia grandiflora* var. *crassicaulis* (R.Kiesling) Rausch, Lobivia 85: 53. 1987 ["1985"] ≡ *Trichocereus crassicaulis* (R.Kiesling) Lodé in Cact.-Avent. Int. 97: 2. 2012 ["2013"]
 = *Helianthocereus crassicaulis* Backeb., Kakteenlex.: 185. 1966, nom. illeg. syn. sec. Tropicos – *Lobivia huascha* var. *crassicaulis* (Backeb.) Rausch, Lobivia: 172. 1975, nom. inval.

***Soehrensia fabrisii* (R.Kiesling) Schlumpb. in Cactaceae Syst. Init. 28: 30. 2012.** Sec. Schlumpberger (2012)

- ≡ *Trichocereus fabrisii* R.Kiesling in Hickenia 1(6): 29. 1976 syn. sec. Schlumpberger (2012) ≡ *Echinopsis fabrisii* (R.Kiesling) G.D.Rowley in Repert. Pl. Succ. 27: 5. 1979

***Soehrensia formosa* (Pfeiff.) Backeb., Cactaceae 3: 1678. 1959.** Sec. Hunt (2016)

- ≡ *Echinocactus formosus* Pfeiff., Enum. Diagn. Cact.: 50. 1837 ≡ *Echinopsis formosa* (Pfeiff.) Jacobi ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 39. 1850 ≡ *Acanthocalycium formosum* (Pfeiff.) Backeb., Kaktus-ABC: 224. 1936 ["1935"] ≡ *Lobivia formosa* (Pfeiff.) Dodds in Cact. Succ. J. (Los Angeles) 8: 146. 1937 ≡ *Trichocereus formosus* (Pfeiff.) F.Ritter, Kakteen Südamerika 2: 450. 1980
 = *Melocactus gilliesii* Otto in Allg. Gartenzeitung 1: 364. 1833 syn. sec. Britton & Rose (1922)
 = *Echinonyctanthus formosus* Lawr. in Gard. Mag. (London) 17: 319. 1841 syn. sec. WFO 2019
 = *Echinocactus gilliesii* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 22. 1845 syn. sec. Britton & Rose (1922)
 = *Echinocactus formosus* var. *crassispinus* Monv. ex Labour., Monogr. Cactaceae: 303. 1853 syn. sec. WFO 2019
 = *Echinopsis formosa* var. *laevior* Monv. ex Labour., Monogr. Cactaceae: 303. 1853 syn. sec. Britton & Rose (1922)
 = *Echinopsis formosa* var. *rubrispina* Monv. ex Labour., Monogr. Cactaceae: 303. 1853 syn. sec. Britton & Rose (1922)
 = *Echinopsis formosa* var. *spiniosior* Salm-Dyck ex Labour., Monogr. Cactaceae: 303. 1853 syn. sec. Britton & Rose (1922)
 = *Cereus gilliesii* F.A.C.Weber in Bois, Dict. Hort. 1: 471. 1896 syn. sec. Britton & Rose (1922)
 = *Echinopsis formosa* var. *albispina* F.A.C.Weber ex Schelle, Handb. Kakteenkult.: 118. 1907 syn. sec. Britton & Rose (1922) ≡ *Acanthocalycium formosum* var. *albispinum* (F.A.C.Weber ex Schelle) Y.Itô, Explan. Diagn. Austroechinocactinae: 145. 1957 syn. sec. WFO 2019
 = *Lobivia oreopepon* Speg. in Anales Soc. Ci. Argent. 99: 125. 1925 ≡ *Echinopsis oreopogon* (Speg.) Werderm. in Gartenflora 80: 302. 1931 ≡ *Soehrensia oreopepon* (Speg.) Backeb., Cactaceae 3: 1674. 1959 syn. sec. Tropicos – *Lobivia oreopogon* (Speg.) Werderm. in Backeberg, Neue Kakteen: 85. 1931, nom. inval. – *Acanthocalycium oreopogon* (Speg.) Backeb., Kaktus-ABC: 225. 1936 ["1935"], nom. inval.
 = *Soehrensia formosa* var. *maxima* Backeb., Cactaceae 3: 1682. 1959 syn. sec. Kew WCVP (2019)
 = *Soehrensia formosa* var. *polycephala* Backeb., Cactaceae 3: 1682. 1959 syn. sec. Kew WCVP (2019)
 – *Echinopsis oreopepon* Werderm. syn. sec. Hunt (2016) [is misspelling for *Echinopsis oreopogon* (Speg.) Werderm.]

Soehrensia formosa* subsp. *formosa*.** Sec. Hunt (2016)Soehrensia formosa* subsp. *kieslingii* (Rausch) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)

- ≡ *Lobivia kieslingii* Rausch in Kakteen And. Sukk. 28: 249-250. 1977 syn. sec. Schlumpberger (2021) ≡ *Lobivia formosa* var. *kieslingii* (Rausch) Rausch, Lobivia 85: 48. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis formosa* subsp. *kieslingii* (Rausch) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. Schlumpberger (2021) ≡ *Echinopsis kieslingii* (Rausch) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 40. 2013 syn. sec. Schlumpberger (2021)

***Soehrensia formosa* subsp. *korethroides* (Werderm.) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)

- ≡ *Echinopsis korethroides* Werderm. in Backeberg, Neue Kakteen: 84. 1931 syn. sec. Schlumpberger (2021) ≡ *Eriosyce korethroides* (Werderm.) Backeb. in Blätt. Kakteenf. 1935(1): 7. 1935 syn. sec. Schlumpberger (2021) ≡ *Lobivia korethroides* (Werderm.) Werderm. in Kakteenkunde & Kakteenfr. 1938: 30. 1938 syn. sec. Schlumpberger (2021) ≡ *Soehrensia korethroides* (Werderm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 86. 1951 syn. sec. Schlumpberger (2021) ≡ *Trichocereus korethroides* (Werderm.) F.Ritter, Kakteen Südamerika 2: 451. 1980 syn. sec. Schlumpberger (2021) ≡ *Echinopsis formosa* subsp. *korethroides* (Werderm.) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. Schlumpberger (2021)

***Soehrensia formosa* subsp. *randallii* (Cárdenas) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)

- ≡ *Trichocereus randallii* Cárdenas in Cact. Succ. J. (Los Angeles) 35: 158. 1963 syn. sec. Schlumpberger (2021) ≡ *Helianthocereus randallii* (Cárdenas) Backeb., Kakteenlex.: 187. 1966 syn. sec. Schlumpberger (2021) ≡ *Echinopsis randallii* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Schlumpberger (2021) ≡ *Lobivia formosa* var. *randallii* (Cárdenas) Rausch, Lobivia 85: 45. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis formosa* subsp. *randallii* (Cárdenas) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. Schlumpberger (2021)

***Soehrensia formosa* subsp. *rosarioana* (Rausch) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)

- ≡ *Lobivia rosarioana* Rausch in Kakteen And. Sukk. 30: 284. 1979 syn. sec. Schlumpberger (2021) ≡ *Lobivia formosa* var. *rosarioana* (Rausch) Rausch, Lobivia 85: 48. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis formosa* subsp. *rosarioana* (Rausch) M.Lowry in Cactaceae Syst. Init. 14: 13. 2002 syn. sec. Schlumpberger (2021)
 = *Soehrensia uebelmanniana* Lembcke & Backeb. in Backeberg, Cactaceae 3: 1925. 1959 ≡ *Trichocereus uebelmannianus* (Lembcke & Backeb.) F.Ritter, Kakteen Südamerika 3: 116. 1980 syn. sec. Tropicos ≡ *Lobivia formosa* var. *uebelmanniana* (Lembcke & Backeb.) Rausch, Lobivia 85: 48. 1987 ["1985"] ≡ *Echinopsis uebelmanniana* (Lembcke & Backeb.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 92. 1989 syn. sec. Hunt (2016)

***Soehrensia grandiflora* (Britton & Rose) Schlumpb. in *Cactaceae Syst. Init.* 28: 30. 2012.** Sec. Schlumpberger (2012)

≡ *Lobivia grandiflora* Britton & Rose, *Cactaceae* 3: 57. 1922 syn. sec. Schlumpberger (2012) [is replaced synonym for *Echinopsis rowleyi* H.Friedrich] ≡ *Chamaecereus grandiflorus* (Britton & Rose) Frič in *Kaktusář* 2: 63. 1931 syn. sec. Kew WCVP (2019) ≡ *Helianthocereus grandiflorus* (Britton & Rose) Backeb. in *Cactus* (Paris) 45: 210. 1955 syn. sec. Tropicos ≡ *Lobivia huascha* var. *grandiflora* (Britton & Rose) Rausch, *Lobivia*: 172. 1975 ≡ *Echinopsis rowleyi* H.Friedrich in *I.O.S. Bull.* 3(3): 97. 1974 syn. sec. Schlumpberger (2012) ≡ *Trichocereus rowleyi* (H.Friedrich) R.Kiesling in *Darwiniana* 21: 295. 1978 syn. sec. Tropicos

***Soehrensia hahniana* (Backeb.) Schlumpb. in *Cactaceae Syst. Init.* 28: 31. 2012.** Sec. Schlumpberger (2012)

≡ *Mediocactus hahnianus* Backeb., *Descr. Cact. Nov.* 1: 10. 1957 ["1956"] syn. sec. Schlumpberger (2012) ≡ *Harrisia hahniana* (Backeb.) Kimmach & Hutchison ex Kimmach in *Cact. Succ. J. (Los Angeles)* 59(2): 59. 1987 syn. sec. Kew WCVP (2019) ≡ *Echinopsis hahniana* (Backeb.) R.S.Wallace in *Cactaceae Consensus Init.* 4: 12. 1997 ≡ *Trichocereus hahnianus* (Backeb.) Guiggi in *Cactology* 3 (Suppl. II): 5. 2012 syn. sec. Korotkova (2021)

***Soehrensia huascha* (F.A.C.Weber) Schlumpb. in *Cactaceae Syst. Init.* 29: 5. 2013.** Sec. Schlumpberger (2012)

≡ *Cereus huascha* F.A.C.Weber in *Monatsschr. Kakteenk.* 3: 151. 1893 syn. sec. Schlumpberger (2012) ≡ *Trichocereus huascha* (F.A.C.Weber) Britton & Rose, *Cactaceae* 2: 142, 208-210. 1920 ≡ *Lobivia huascha* (F.A.C.Weber) W.T.Marshall in *Cact. Succ. J. (Los Angeles)* 9: 114. 1938 syn. sec. Tropicos ≡ *Helianthocereus huascha* (F.A.C.Weber) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 48. 1951 syn. sec. Tropicos ≡ *Salpingolobivia huascha* (F.A.C.Weber) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 141. 1957 syn. sec. Kew WCVP (2019) ≡ *Echinopsis huascha* (F.A.C.Weber) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 95. 1974 – *Soehrensia huascha* (F.A.C.Weber) Schlumpb. in *Cactaceae Syst. Init.* 28: 31. 2012, nom. inval.

= *Cereus huascha* var. *flaviflorus* F.A.C.Weber in *Monatsschr. Kakteenk.* 3: 151. 1893 syn. sec. Kew WCVP (2019)

= *Cereus huascha* var. *rubriflorus* F.A.C.Weber in *Monatsschr. Kakteenk.* 3: 151. 1893 syn. sec. Kew WCVP (2019) ≡ *Echinopsis huascha* var. *rubriflora* (F.A.C.Weber) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3: 96. 1974 syn. sec. Kew WCVP (2019) ≡ *Lobivia huascha* var. *rubriflora* (F.A.C.Weber) H.Friedrich & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 44: 81. 1982

= *Cereus andalgalensis* F.A.C.Weber ex K.Schum., *Gesamtbdescr. Kakt.*: 168. 1897 syn. sec. Kew WCVP (2019) ≡ *Lobivia andalgalensis* (F.A.C.Weber ex K.Schum.) Britton & Rose, *Cactaceae* 3: 56–57, f. 72, 75. 1922 syn. sec. Kew WCVP (2019) ≡ *Trichocereus andalgalensis* (F.A.C.Weber ex K.Schum.) Hosseus in *Arch. Esc. Färm. Fac. Ci. Méd. Córdoba* 9: 69. 1939 syn. sec. Kew WCVP (2019) ≡ *Helianthocereus andalgalensis* (F.A.C.Weber ex K.Schum.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 48. 1951 syn. sec. Kew WCVP (2019) ≡ *Salpingolobivia andalgalensis* (F.A.C.Weber ex K.Schum.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 141. 1957 ≡ *Lobivia huascha* var. *andalgalensis* (F.A.C.Weber ex K.Schum.) Rausch, *Lobivia*: 172. 1975 syn. sec. Kew WCVP (2019)

= *Lobivia hyalacantha* Speg. in *Anales Soc. Ci. Argent.* 99: 122. 1925 syn. sec. Kew WCVP (2019) ≡ *Echinopsis hyalacantha* (Speg.) Werderm. in *Gartenflora* 80: 302. 1931 syn. sec. Kew WCVP (2019) ≡ *Acanthocalycium hyalacanthum* (Speg.) Backeb., *Kaktus-ABC*: 225. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Helianthocereus hyalacanthus* (Speg.) Backeb., *Cactaceae* 2: 1333. 1959 ≡ *Lobivia formosa* var. *hyalacantha* (Speg.) Rausch, *Lobivia* 85: 45. 1987 ["1985"]

= *Trichocereus huascha* var. *flaviflora* Hosseus in *Revista Centro Estud. Farm. reimpr.* 2(6): 20. 1926 syn. sec. Kew WCVP (2019)

= *Trichocereus auricolor* Backeb., *Kaktus-ABC*: 412. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Helianthocereus huascha* var. *auricolor* (Backeb.) Backeb. in *Cactus* (Paris) 45: 210. 1955 syn. sec. Kew WCVP (2019) ≡ *Echinopsis huascha* var. *auricolor* (Backeb.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3: 95. 1974 syn. sec. Kew WCVP (2019) ≡ *Trichocereus andalgalensis* var. *auricolor* (Backeb.) F.Ritter, *Kakteen Südamerika* 2: 438. 1980 syn. sec. Kew WCVP (2019)

= *Helianthocereus huascha* var. *rubriflorus* (F.A.C.Weber) Backeb. in *Cactus* (Paris) 45: 210. 1955 syn. sec. Kew WCVP (2019)

= *Helianthocereus huascha* var. *macranthus* Backeb., *Kakteenlex.*: 186. 1966 syn. sec. Kew WCVP (2019)

= *Helianthocereus pecheretianus* var. *viridior* Backeb., *Kakteenlex.*: 187. 1966 syn. sec. Kew WCVP (2019)

= *Trichocereus grandiflorus* Backeb., *Kakteenlex.*: 438. 1966 syn. sec. Tropicos

= *Lobivia purpureominiata* F.Ritter, *Kakteen Südamerika* 2: 460. 1980 syn. sec. Kew WCVP (2019) ≡ *Lobivia huascha* var. *purpureominiata* (F.Ritter) Rausch, *Lobivia*: 172. 1975

= *Trichocereus catamarcensis* F.Ritter, *Kakteen Südamerika* 2: 451. 1980 syn. sec. Tropicos

= *Cereus huascha* var. *flaviflora* Speg. syn. sec. Rowley (1985) ≡ *Lobivia shaferi* var. *flaviflora* (Speg.) E.Herzog in *Kakteen Sukk.* 19: 3. 1985 syn. sec. Rowley (1985)

– *Soehrensia huascha* var. *rosiflora* Y.Itô, *Saboten*: 51, 52, 54. 1962, nom. inval. syn. sec. Kew WCVP (2019)

***Soehrensia huascha* subsp. *huascha*.** Sec. Hunt (2016)

= *Helianthocereus pecheretianus* Backeb. in *Cactus* (Paris) 45: 210. 1955 ≡ *Echinopsis pecheretiana* (Backeb.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 96. 1974 syn. sec. Hunt (2016) ≡ *Trichocereus huascha* var. *pecheretianus* (Backeb.) R.Kiesling in *Darwiniana* 21: 299. 1978

= *Trichocereus vatteri* R.Kiesling in *Hickenia* 1: 31. 1976 ≡ *Echinopsis vatteri* (R.Kiesling) G.D.Rowley in *Repert. Pl. Succ.* 27: 5. 1979 syn. sec. Hunt (2016)

= *Trichocereus callianthus* F.Ritter, *Kakteen Südamerika* 2: 444. 1980 syn. sec. Tropicos ≡ *Lobivia huascha* var. *calliantha* (F.Ritter) Rausch, *Lobivia* 85: 69. 1987 ["1985"] syn. sec. Kew WCVP (2019)

***Soehrensia huascha* subsp. *robusta* (Rausch) Schlumpb. in *Willdenowia* 51: 265. 2021.** Sec. Schlumpberger (2021)

≡ *Lobivia huascha* var. *robusta* Rausch, *Lobivia* 85: 141, 72. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Trichocereus huascha* subsp. *robustus* (Rausch) Guiggi in *Cactology* 3: 8. 2012 syn. sec. Schlumpberger (2021) – *Echinopsis huascha* subsp. *robusta* (Rausch) M.Lowry in *Cactaceae Syst. Init.* 14: 14. 2002, nom. inval. syn. sec. Schlumpberger (2021)

- Soehrensia lobivoides* (Gräser & F.Ritter) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
 ≡ *Trichocereus lobivoides* Gräser & F.Ritter in Ritter, Kakteen Südamerika 2: 2: 444. 1980 syn. sec. Schlumpberger (2012) ≡ *Lobivia grandiflora* var. *lobivoides* (Gräser & F.Ritter) Rausch, Lobivia 85: 53. 1987 ["1985"]
- Soehrensia ×mendocina* (Méndez) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)
 ≡ *Trichocereus ×mendocinus* Méndez in Hickenia 3: 73. 2000 syn. sec. Schlumpberger (2021)
 Notes. – *Soehrensia candicans* (Gillies ex Salm-Dyck) Schlumpb. × *S. strigosa* (Salm-Dyck) Schlumpb. [Schlumpberger (2021)]
- Soehrensia quadratumbonata* (F.Ritter) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
 ≡ *Trichocereus quadratumbonatus* F.Ritter, Kakteen Südamerika 2: 566, fig. 1980 syn. sec. Schlumpberger (2012) ≡ *Echinopsis quadratumbonata* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997
- Soehrensia sandiensis* (Hoxey) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)
 ≡ *Echinopsis sandiensis* Hoxey in Bradleya 34: 195. 2016 syn. sec. Schlumpberger (2021)
- Soehrensia schickendantzii* (F.A.C.Weber) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Hunt (2016)
 ≡ *Cereus schickendantzii* F.A.C.Weber in Bois, Dict. Hort.: 473. 1896 syn. sec. Schlumpberger (2012) ≡ *Echinopsis schickendantzii* F.A.C.Weber in Bois, Dict. Hort.: 473. 1896 ≡ *Cereus schickendantzii* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 238. 1897 syn. sec. Britton & Rose (1920) ≡ *Trichocereus schickendantzii* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 144. 1920
 = *Trichocereus manguinii* Backeb. in Cactus (Paris) 35: 147. 1953 ≡ *Echinopsis manguinii* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Hunt (2016)
 = *Echinopsis friedrichii* G.D.Rowley in I.O.S. Bull. 3: 95. 1974 syn. sec. Hunt (2016)
 = *Trichocereus volcanensis* F.Ritter, Kakteen Südamerika 2: 448. 1980 syn. sec. Tropicos
- Soehrensia serpentina* (M.Lowry & M.Mend.) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)
 ≡ *Echinopsis serpentina* M.Lowry & M.Mend. in CactusWorld 29(2): 95. 2011 syn. sec. Schlumpberger (2021) ≡ *Trichocereus serpentinus* (M.Lowry & M.Mend.) Guiggi in Cactology 3 (Suppl. II): 5. 2012 syn. sec. Schlumpberger (2021) – *Trichocereus serpentinus* (M.Lowry & M.Mend.) Lodé in Cact.-Avent. Int. 100: 31. 2013 syn. sec. Schlumpberger (2021) [is later isonym of *Trichocereus serpentinus* (M.Lowry & M.Mend.) Guiggi]
- Soehrensia shaferei* (Britton & Rose) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)
 ≡ *Trichocereus shaferei* Britton & Rose, Cactaceae 2: 144. 1920 syn. sec. Schlumpberger (2021)
- Soehrensia smrziana* (Backeb.) Backeb., Cactaceae 3: 1677. 1959.** Sec. Anderson (2005)
 ≡ *Echinopsis smrziana* Backeb., Kaktus-ABC: 219. 1936 ["1935"] syn. sec. Anderson (2005) ≡ *Trichocereus smrzianus* (Backeb.) Backeb., Kakteenlex.: 440. 1966 syn. sec. Anderson (2005)
- Soehrensia spachiana* (Lem.) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
 ≡ *Cereus spachianus* Lem., Hort. Universel 1: 225. 1839 syn. sec. Schlumpberger (2012) ≡ *Echinocereus spachianus* (Lem.) Rümpler, Handb. Cacteenk., ed. 2: 827. 1885 syn. sec. Britton & Rose (1920) ≡ *Trichocereus spachianus* (Lem.) Riccob. in Boll. Reale Orto Bot. Giardino Colon. Palermo 8: 237. 1909 ≡ *Echinopsis spachiana* (Lem.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974
 = *Cereus santiaguensis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 478. 1905 syn. sec. Britton & Rose (1920) ≡ *Trichocereus santiaguensis* (Speg.) Backeb., Cactaceae 2: 1107. 1959 syn. sec. Tropicos ≡ *Echinopsis santiaguensis* (Speg.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Kew WCVP (2019)
- Soehrensia strigosa* (Salm-Dyck) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
 ≡ *Cereus strigosus* Salm-Dyck, Hort. Dyck.: 334-335. 1834 ≡ *Echinocereus strigosus* (Salm-Dyck) Lem. in Rümpler, Handb. Cacteenk., ed. 2: 826. 1885 syn. sec. Britton & Rose (1920) ≡ *Trichocereus strigosus* (Salm-Dyck) Britton & Rose, Cactaceae 2: 143-144, f. 211. 1920 ≡ *Echinopsis strigosa* (Salm-Dyck) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Hunt (2016) – *Echinocereus strigosus* Lem., Cactées: 57. 1868, nom. nud. syn. sec. Berendsohn (2020)
 = *Cereus myriophyllus* Gillies ex Otto in Allg. Gartenzeitung 1: 365. 1833 syn. sec. Kew WCVP (2019)
 = *Cereus intricatus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 194. 1850 syn. sec. Kew WCVP (2019) ≡ *Echinocereus intricatus* (Salm-Dyck) Sencke ex J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. WFO 2019 ≡ *Cereus strigosus* var. *intricatus* (Salm-Dyck) F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 68. 1897 syn. sec. Britton & Rose (1920)
 = *Cereus spinibarbis* var. *flavidus* Labour., Monogr. Cactaceae: 325. 1853 syn. sec. Britton & Rose (1920)
 = *Echinocereus strigosus* var. *rufispinus* Rümpler, Handb. Cacteenk., ed. 2: 827. 1885 syn. sec. Britton & Rose (1920)
 = *Echinocereus strigosus* var. *spiniosior* Rümpler, Handb. Cacteenk., ed. 2: 827. 1885 syn. sec. Britton & Rose (1920)
 = *Cereus strigosus* var. *rufispinus* Hook.f. in Monatsschr. Kakteenk. 7: 184. 1897 syn. sec. Britton & Rose (1920)
 = *Cereus strigosus* var. *longispinus* C.A.Maass in Monatsschr. Kakteenk. 15: 119. 1905 syn. sec. Britton & Rose (1920) ≡ *Trichocereus strigosus* var. *longispinus* (C.A.Maass) Borg, Cacti, ed. 1: 139. 1937
 = *Trichocereus strigosus* var. *flaviflorus* F.Ritter, Kakteen Südamerika 2: 440. 1980 syn. sec. Kew WCVP (2019)
- Soehrensia tarijensis* (Vaupel) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Anderson (2005)
 ≡ *Cereus tarijensis* Vaupel in Monatsschr. Kakteenk. 26: 123. 1916 syn. sec. Schlumpberger (2012) ≡ *Trichocereus tarijensis* (Vaupel) Werderm. in Kakteenkunde 1940: 7. 1940 ≡ *Helianthocereus tarijensis* (Vaupel) Backeb. in Cactus (Paris) 45: 208. 1955 syn. sec. Kew WCVP (2019) ≡ *Echinopsis tarijensis* (Vaupel) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Kew WCVP (2019) ≡ *Lobivia formosa* subsp. *tarijensis* (Vaupel) Rausch, Lobivia: 164. 1975 ≡ *Lobivia formosa* var. *tarijensis* (Vaupel) Rausch, Lobivia 85: 44. 1987 ["1985"] syn. sec. Tropicos ≡ *Echinopsis tarijensis* subsp. *tarijensis*

- = *Trichocereus poco* Backeb., Kaktus-ABC: 204. 1936 ["1935"] ≡ *Helianthocereus poco* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 48. 1951 ≡ *Echinopsis poco* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Hunt (2016) ≡ *Lobivia formosa* var. *poco* (Backeb.) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 – *Trichocereus tarijensis* var. *poco* (Backeb.) F.Ritter, Kakteen Südamerika 2: 560. 1980, nom. inval.
- = *Cereus poco* Blossf., Kakteenamen: 10. 1938 syn. sec. Korotkova (2021)
- = *Trichocereus narvaecensis* Cárdenas in Fuaux Herb. Bull. 5: 25. 1953 ≡ *Helianthocereus narvaecensis* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 syn. sec. Anderson (2005) ≡ *Echinopsis narvaecensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Anderson (2005)
- = *Trichocereus orurensis* Cárdenas in Fuaux Herb. Bull. 5: 13. 1953 syn. sec. Kiesling & al. (2014) ≡ *Helianthocereus orurensis* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis orurensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 ≡ *Lobivia formosa* var. *orurensis* (Cárdenas) G.D.Rowley in Cact. Succ. J. Gr. Brit. 44: 80. 1982 – *Trichocereus tarijensis* var. *orurensis* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 560. 1980, nom. inval.
- = *Trichocereus poco* var. *albiflorus* Cárdenas in Fuaux Herb. Bull. 5: 12. 1953 ≡ *Helianthocereus orurensis* var. *albiflorus* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 syn. sec. Kiesling & al. (2014) ≡ *Helianthocereus poco* var. *albiflorus* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis poco* var. *albiflora* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974
- = *Trichocereus poco* var. *fricianus* Cárdenas in Fuaux Herb. Bull. 5: 11. 1953 syn. sec. Jørgensen & al. (2014) ≡ *Helianthocereus poco* var. *fricianus* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis poco* var. *fricana* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Kew WCVP (2019)
- = *Helianthocereus poco* var. *sanguiniflorus* Backeb., Kakteenlex.: 187. 1966 syn. sec. Kew WCVP (2019)
- = *Trichocereus chuquisacanus* F.Ritter in Cactus (Paris) 87: 12. 1966 syn. sec. Anderson (2005)
- = *Trichocereus tarijensis* var. *densispinus* F.Ritter, Kakteen Südamerika 2: 449. 1980 syn. sec. Kew WCVP (2019)
- Soehrensia tarijensis* subsp. *bertramiana* (Backeb.) Schlumpb. in Willdenowia 51: 265. 2021.** Sec. Schlumpberger (2021)
- ≡ *Trichocereus bertramianus* Backeb. in Blätt. Kakteenf. 1935(6): 2, genus 51, sp. 2. 1935 syn. sec. Schlumpberger (2021) ≡ *Helianthocereus bertramianus* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 48. 1951 syn. sec. Schlumpberger (2021) ≡ *Lobivia formosa* var. *bertramiana* (Backeb.) Rausch, Lobivia 85: 45. 1987 ["1985"] syn. sec. Schlumpberger (2021) ≡ *Echinopsis tarijensis* subsp. *bertramiana* (Backeb.) M.Lowry in Cactaceae Syst. Init. 14: 14. 2002 syn. sec. Schlumpberger (2021) – *Echinopsis bertramiana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974, nom. inval. syn. sec. Schlumpberger (2021)
- = *Trichocereus antezanae* Cárdenas in Fuaux Herb. Bull. 5: 16. 1953 ≡ *Helianthocereus antezanae* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis antezanae* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 syn. sec. Hunt (2016)
- = *Trichocereus conaconensis* Cárdenas in Fuaux Herb. Bull. 5: 24. 1953 ≡ *Helianthocereus conaconensis* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis conaconensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 syn. sec. Hunt (2016)
- = *Trichocereus herzogianus* Cárdenas in Fuaux Herb. Bull. 5: 19. 1953 ≡ *Helianthocereus herzogianus* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis herzogiana* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974 syn. sec. Hunt (2016) ≡ *Echinopsis tarijensis* subsp. *herzogiana* (Cárdenas) G.Navarro in Lazaroa 17: 556. 1996
- = *Trichocereus herzogianus* var. *totorensis* Cárdenas in Fuaux Herb. Bull. 5: 21. 1953 ≡ *Helianthocereus herzogianus* var. *totorensis* (Cárdenas) Backeb. in Cactus (Paris) 45: 208. 1955 ≡ *Echinopsis herzogiana* var. *totorensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3: 95. 1974 ≡ *Lobivia formosa* var. *totorensis* (Cárdenas) Rausch, Lobivia: 164. 1975 ≡ *Trichocereus totorensis* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 562. 1980 ≡ *Echinopsis tarijensis* subsp. *totorensis* (Cárdenas) G.Navarro in Lazaroa 17: 56. 1996 syn. sec. Hunt (2016)
- Soehrensia tarijensis* subsp. *tarijensis***
- Soehrensia thelegona* (F.A.C.Weber) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
- ≡ *Cereus thelegonus* F.A.C.Weber in Schumann, Gesamtbeschr. Kakt.: 78, fig. 14. 1897 syn. sec. Schlumpberger (2012) ≡ *Trichocereus thelegonus* (F.A.C.Weber) Britton & Rose, Cactaceae 2: 130–131, f. 188–189. 1920 syn. sec. Tropicos ≡ *Echinopsis thelegona* (F.A.C.Weber) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974
- Soehrensia thelegonoides* (Speg.) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
- ≡ *Cereus thelegonoides* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 480. 1905 syn. sec. Schlumpberger (2012) ≡ *Trichocereus thelegonoides* (Speg.) Britton & Rose, Cactaceae 2: 131. 1920 syn. sec. Tropicos ≡ *Echinopsis thelegonoides* (Speg.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974
- = *Trichocereus rubinghianus* Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Tropicos ≡ *Echinopsis rubinghiana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Kew WCVP (2019)
- Soehrensia vasquezii* (Rausch) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
- ≡ *Trichocereus vasquezii* Rausch in Kakteen And. Sukk. 25: 193–194. 1974 syn. sec. Schlumpberger (2012) ≡ *Echinopsis vasquezii* (Rausch) G.D.Rowley in Repert. Pl. Succ. 24: 6. 1975
- Soehrensia volliana* (Backeb.) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)
- ≡ *Trichocereus vollianus* Backeb., Kaktus-ABC: 205, 412. 1936 ["1935"] syn. sec. Schlumpberger (2012) ≡ *Echinopsis volliana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 99. 1974
- = *Trichocereus vollianus* var. *rubrispinus* Backeb., Kaktus-ABC: 412. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Echinopsis volliana* var. *rubripina* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 99. 1974 syn. sec. Kew WCVP (2019)

= *Trichocereus taratensis* Cárdenas in Natl. Cact. Succ. J. 21: 15. 1966 ≡ *Echinopsis taratensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Hunt (2016)

***Soehrensia walteri* (R.Kiesling) Schlumpb. in Cactaceae Syst. Init. 28: 31. 2012.** Sec. Schlumpberger (2012)

≡ *Lobivia walteri* R.Kiesling in Hickenia 1(7): 35-36. 1976 syn. sec. Schlumpberger (2012) ≡ *Echinopsis walteri* (R.Kiesling) H.Friedrich & Glaetzel in Bradleya 1: 96. 1983 ≡ *Lobivia huascha* var. *walteri* (R.Kiesling) Rausch, Lobivia 85: 69. 1987 ["1985"] ≡ *Trichocereus walteri* (R.Kiesling) J.G.Lamb., Cact. Argentine, ed. 2: 321. 1998 ["1997"] syn. sec. Tropicos

***Stenocactus* (K.Schum.) A.Berger, Kakteen: 244, 346. 1929.** Sec. Hunt (2006)

Type: *Stenocactus coptonogonus* A.Berger

≡ *Echinocactus* subg. *Stenocactus* K.Schum., Gesamtbeschr. Kakt.: 292. 1898 syn. sec. Hunt (2006)

≡ *Stenocactus* (K.Schum.) A.W.Hill, Index Kew. Suppl. 8: 228. 1933, nom. illeg. syn. sec. Hunt (2006). Type: *Stenocactus coptonogonus* (Lem.) A.Berger

= *Efossus* Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019)

Notes. – See under *Ferocactus*. [Hernández-Ledesma & al. (2015)]

***Stenocactus anfractuosus* (Mart. ex Pfeiff.) A.Berger, Kakteen: 346. 1929.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus anfractuosus* Mart. ex Pfeiff., Enum. Diagn. Cact.: 63. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinofossulocactus anfractuosus (Mart. ex Pfeiff.) Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Guzmán Cruz & al. (2003) ≡

(2003) ≡ *Brittonrosea anfractuosa* (Mart. ex Pfeiff.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Korotkova (2021)

≡ *Efossus anfractuosus* (Mart. ex Pfeiff.) Orcutt in Cactography 5. 1926 syn. sec. Korotkova (2021) ≡ *Stenocactus anfractuosus* (Mart. ex Pfeiff.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡

Echinofossulocactus crispatus f. *anfractuosus* (Mart. ex Pfeiff.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Korotkova (2021)

= *Echinofossulocactus guerraiianus* Backeb., Stachlige Wildnis: 339. 1942 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinofossulocactus crispatus f. *guerraiianus* (Backeb.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003) –

Echinocactus guerraiianus Backeb., nom. inval. syn. sec. TPL (2013)

***Stenocactus arrigens* (Link ex A.Dietr.) A.Berger, Kakteen: 346. 1929.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus arrigens* Link ex A.Dietr. in Allg. Gartenzeitung 8: 161. 1840 syn. sec. Guzmán Cruz & al. (2003) ≡

Echinofossulocactus arrigens (Link ex A.Dietr.) Britton & Rose, Cactaceae 3: 114. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡

Efossus arrigens (Link ex A.Dietr.) Orcutt in Cactography 5. 1926 syn. sec. Korotkova (2021) ≡ *Stenocactus arrigens* (Link ex

A.Dietr.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Echinofossulocactus*

crispatus f. *arrigens* (Link ex A.Dietr.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea*

arrigens (Link ex A.Dietr.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Korotkova (2021) – *Echinofossulocactus*

obvallatus var. *arrigens* (Link ex A.Dietr.) J.Meyrán in Cact. Suc. Mex. 17: 43. 1972, nom. inval. syn. sec. Kew WCVP (2019)

***Stenocactus boedekerianus* A.Berger, Kakteen: 246. 1929.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus boedekerianus* A.Berger, Kakteen: 246. 1929 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus boedekerianus*

(A.Berger) A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus*

boedekerianus (A.Berger) Croizat in Cact. Succ. J. (Los Angeles) 14: 111. 1942 syn. sec. Guzmán Cruz & al. (2003)

***Stenocactus coptonogonus* A.Berger, Kakteen: 244. 1929.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus coptonogonus* Lem., Cact. Aliq. Nov.: 23. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus*

coptonogonus (Lem.) Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea*

coptonogona (Lem.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Hunt (2006) ≡ *Efossus coptonogonus* (Lem.)

Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus coptonogonus* (Lem.) A.Berger ex A.W.Hill in Index Kew. 8:

228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Ferocactus coptonogonus* (Lem.) N.P.Taylor in Cact. Succ. J. Gr. Brit.

42: 108. 1980 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus coptonogonus* var. *major* Lem., Cact. Gen. Sp. Nov.: 87. 1839 syn. sec. Kew WCVP (2019)

= *Echinofossulocactus coptonogonus* var. *major* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 317. 1841 syn. sec. Kew WCVP (2019)

= *Echinocactus interruptus* Scheidw. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 29. 1850 syn. sec. Kew WCVP (2019)

***Stenocactus crispatus* (DC.) A.Berger, Kakteen: 248. 1929.** Sec. Guzmán Cruz & al. (2003)

≡ *Cactus crispatus* Moc. & Sessé ex DC., Prodr. 3: 462. 1828 syn. sec. Hunt (2006) ≡ *Echinocactus crispatus* DC., Prodr. 3: 461.

1828 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea crispata* (DC.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec.

Hunt (2006) ≡ *Stenocactus crispatus* (DC.) A.Berger ex A.W.Hill in Index Kew. 8: 228. 1933, later isonym syn. sec.

Korotkova (2021) ≡ *Echinofossulocactus crispatus* (DC.) Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Tropicos ≡

Efossus crispatus (DC.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Ferocactus crispatus* (DC.) N.P.Taylor in Cact.

Succ. J. Gr. Brit. 42: 108. 1980 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus crispatus* var. *horridus* DC., Mém. Mus. Hist. Nat. 17: 115. 1828 syn. sec. Kew WCVP (2019)

= *Echinocactus ensiferus* Lem., Cact. Aliq. Nov.: 26. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus ensifer* Lem.,

Cact. Aliq. Nov.: 26. 1838 syn. sec. Kew WCVP (2019) ≡ *Echinocactus anfractuosus* var. *ensiferus* (Lem.) Salm-Dyck, Cact.

Hort. Dyck., ed. 1849: 31. 1850 syn. sec. Britton & Rose (1922) ≡ *Echinofossulocactus crispatus* f. *ensiferus* (Lem.) P.V.Heath

in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus xiphacanthus* Miq. in Linnaea 12: 1. 1838 syn. sec. Tropicos ≡ *Echinocactus arrigens* var. *xiphacanthus* (Miq.)

Schelle, Handb. Kakteenkult.: 173. 1907 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus xiphacanthus* (Miq.) Backeb.,

Cactaceae 5: 2776. 1961 syn. sec. Tropicos ≡ *Echinofossulocactus arrigens* f. *xiphacanthus* (Miq.) Krainz syn. sec. Tropicos

- = *Echinocactus anfractuosus* var. *spiniosior* Monv. ex Lem., Cact. Gen. Sp. Nov.: 89. 1839 syn. sec. Hunt (2006)
- = *Echinocactus grandicornis* Lem., Cact. Gen. Sp. Nov.: 30. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus grandicornis* (Lem.) Britton & Rose, Cactaceae 3: 114. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea grandicornis* (Lem.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus grandicornis* (Lem.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus grandicornis* (Lem.) A.Berger ex Backeb. & F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus crispatus* f. *grandicornis* (Lem.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus ensiformis* Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Kew WCVP (2019)
- = ?*Echinofossulocactus helophora* Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Britton & Rose (1922)
- = ?*Echinofossulocactus helophorus* var. *longifossulatus* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 318. 1841 syn. sec. Britton & Rose (1922)
- = *Echinocactus undulatus* A.Dietr. in Allg. Gartenzeitung 12: 187. 1844 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus crispatus* f. *undulatus* (A.Dietr.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus acifer* Hopffer ex C.F.Först., Handb. Cacteenk.: 520. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus dietrichii* Heynh. in Alph. Aufz. Gew. 2: 92. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus ensifer* var. *pallidus* C.F.Först., Handb. Cacteenk.: 306. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus sphaerocephalus* Muehlenpf. in Allg. Gartenzeitung 14: 370. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus acroacanthus* Stieber in Bot. Zeitung (Berlin) 5: 491. 1847 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus acroacanthus* (Stieber) W.T.Marshall & T.M.Bock, Cactaceae: 146. 1941 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus acroacanthus* (Stieber) G.D.Rowley in Repert. Pl. Succ. 23: 7. 1974 ["1972"] syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus crispatus* f. *acroacanthus* (Stieber) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Kew WCVP (2019)
- = *Echinocactus allardianus* A.Dietr. in Allg. Gartenzeitung 15: 178. 1847 syn. sec. Kew WCVP (2019)
- = *Echinocactus arrigens* var. *atropurpureus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 31. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus grandicornis* var. *fulvispinus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 30, 157. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus lamellosus* var. *fulvescens* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 30, 159. 1850 syn. sec. Kew WCVP (2019)
- = *Echinocactus stenogonus* K.Schum. in Monatsschr. Kakteenk. 5: 107. 1895 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus kellerianus* Krainz in Schweizer Gart. 22: 10. 1946 syn. sec. Tropicos ≡ *Echinofossulocactus crispatus* f. *kellerianus* (Krainz) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus multiareolatus* Bravo in Anales Inst. Biol. Univ. Nac. México 30: 59. 1960 syn. sec. Tropicos
- = *Stenocactus cadaroyi* Backeb., Cactaceae 5: 2775. 1961 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus flexispinus* Bravo in Cact. Suc. Mex. 14: 44. 1969 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus crispatus* f. *flexispinus* (Bravo) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003)
- *Echinocactus arrectus* Otto ex C.F.Först., Handb. Cacteenk.: 346. 1846, nom. nud. syn. sec. Britton & Rose (1922)
- Stenocactus dichroacanthus* (Mart. ex Pfeiff.) A.Berger ex Backeb. & F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"].** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus dichroacanthus* Mart. ex Pfeiff., Enum. Diagn. Cact.: 62. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus exsculptus* var. *dichroacanthus* (Mart. ex Pfeiff.) Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 16. 1845 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus dichroacanthus* (Mart. ex Pfeiff.) Britton & Rose, Cactaceae 3: 117. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea dichroacantha* (Mart. ex Pfeiff.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Hunt (2006) ≡ *Efossus dichroacanthus* (Mart. ex Pfeiff.) Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus crispatus* f. *dichroacanthus* (Mart. ex Pfeiff.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus dichroacanthus* subsp. *dichroacanthus*.** Sec. Guzmán Cruz & al. (2003)
- Stenocactus dichroacanthus* subsp. *violaciflorus* (Quehl) U.Guzmán & Vázq.-Ben. in Cactaceae Syst. Init. 16: 18. 2003.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus violaciflorus* Quehl in Monatsschr. Kakteenk. 22: 102. 1912 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus violaciflorus* (Quehl) Britton & Rose, Cactaceae 3: 114. 1922 syn. sec. Tropicos ≡ *Brittonrosea violaciflora* (Quehl) Speg. in Anales Soc. Ci. Argent. 96: 70. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus violaciflorus* (Quehl) Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019) ≡ *Stenocactus violaciflorus* (Quehl) A.Berger, Kakteen: 249. 1929 syn. sec. Korotkova (2021) ≡ *Stenocactus violaciflorus* (Quehl) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus dichroacanthus* var. *violaciflorus* (Quehl) Bravo in Cact. Suc. Mex. 27: 16. 1982 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus crispatus* f. *violaciflorus* (Quehl) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus heteracanthus* (Muehlenpf.) A.Berger, Kakteen: 247. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus heteracanthus* Muehlenpf. in Allg. Gartenzeitung 13: 345. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus heteracanthus* (Muehlenpf.) Britton & Rose, Cactaceae 3: 112. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea heteracantha* (Muehlenpf.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Korotkova (2021) ≡ *Efossus heteracanthus* (Muehlenpf.) Orcutt in Cactography 5. 1926 syn. sec. Korotkova (2021) ≡ *Stenocactus heteracanthus* (Muehlenpf.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Echinofossulocactus crispatus* f. *heteracanthus* (Muehlenpf.) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus tellii* A.Berger in Monatsschr. Kakteenk. 11: 161. 1901 syn. sec. Hunt (2006) ≡ *Echinofossulocactus tellii* (A.Berger) Y.Itô syn. sec. Guzmán Cruz & al. (2003) – *Echinofossulocactus crispatus* f. *tellii* (A.Berger) P.V.Heath in Calyx 2: 87. 1992, nom. inval.

- = *Stenocactus lezarzae* Bravo, Cact. Mexic.: 400. 1937 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus lezarzai* (Bravo) Croizat in Cact. Succ. J. (Los Angeles) 14: 111. 1942 syn. sec. Tropicos ≡ *Stenocactus lezarzai* Bravo & Miranda in Anales Inst. Biol. Univ. Nac. México 15: 423. 1944 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus jarmilae* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 37. 2000.** Sec. Halda & al. (2000)
- Stenocactus kaplanii* Halda, Kupčák & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 37. 2000.** Sec. Halda & al. (2000)
- Stenocactus lamellosus* (A.Dietr.) A.Berger, Kakteen: 248. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus lamellosus* A.Dietr. in Allg. Gartenzeitung 15: 177. 1847 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus lamellosus* (A.Dietr.) Britton & Rose, Cactaceae 3: 113. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea lamellosa* (A.Dietr.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus lamellosus* (A.Dietr.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus lamellosus* (A.Dietr.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Echinofossulocactus crispatus* f. *lamellosus* (A.Dietr.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus hastatus* Hopffer ex K.Schum., Gesamtbeschr. Kakt.: 376. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus hastatus* (Hopffer ex K.Schum.) Britton & Rose, Cactaceae 3: 111. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea hastata* (Hopffer ex K.Schum.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus hastatus* (Hopffer ex K.Schum.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus hastatus* (Hopffer ex K.Schum.) A.Berger, Kakteen: 245. 1929 syn. sec. Korotkova (2021) ≡ *Stenocactus hastatus* (Hopffer ex K.Schum.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus sulphureus* f. *hastatus* (Hopffer ex K.Schum.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus confusus* Britton & Rose, Cactaceae 3: 120. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea confusa* (Britton & Rose) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus confusus* (Britton & Rose) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus confusus* (Britton & Rose) F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus confusus* (Britton & Rose) P.V.Heath in Calyx 2(3): 86. 1992 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus crispatus* f. *confusus* (Britton & Rose) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus confusus* Britton syn. sec. WFO 2019
- Stenocactus lancifer* (A.Dietr.) A.Berger ex Backeb. & F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"].** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus lancifer* A.Dietr. in Allg. Gartenzeitung 7: 154. 1839 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus obvallatus* var. *lancifer* (A.Dietr.) Schelle, Handb. Kakteenkult.: 172. 1907 syn. sec. Tropicos ≡ *Echinofossulocactus lancifer* (A.Dietr.) Britton & Rose, Cactaceae 3: 118. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea lancifera* (A.Dietr.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus lancifer* (A.Dietr.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Echinofossulocactus crispatus* f. *lancifer* (A.Dietr.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus magnificus* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 37. 2000.** Sec. Guzmán Cruz & al. (2003)
- Stenocactus multicostatus* (Hildm. ex K.Schum.) A.Berger, Kakteen: 245. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus multicostatus* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 376. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus multicostatus* (Hildm. ex K.Schum.) Britton & Rose, Cactaceae 3: 111. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea multicostata* (Hildm. ex K.Schum.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Hunt (2006) – *Echinocactus multicostatus* Mathsson in Gartenflora 39: 465. 1890, nom. nud. syn. sec. Hunt (2006) – *Echinocactus multicostatus* Hildm. ex K.Schum., Nat. Pflanzenfam. 3(Abt. 6a): 187. 1894, nom. inval. syn. sec. Korotkova (2021) – *Efossus multicostatus* (Hildm. ex K.Schum.) Orcutt in Cactography 5. 1926, nom. inval. syn. sec. Tropicos
- = *Echinofossulocactus multicostatus* var. *coahuilensis* Frič in J. Cact. Succ. Soc. Amer. 2: 480. 1931 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus erectocentrus* Backeb., Cactaceae 5: 2772. 1961 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus multicostatus* f. *erectocentrus* (Backeb.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus multicostatus* subsp. *multicostatus*.** Sec. Guzmán Cruz & al. (2003)
- Stenocactus multicostatus* subsp. *zacatecasensis* (Britton & Rose) U.Guzmán & Vázq.-Ben. in Cactaceae Syst. Init. 16: 18. 2003.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinofossulocactus zacatecasensis* Britton & Rose, Cactaceae 3: 113. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea zacatecasensis* (Britton & Rose) Speg. in Anales Soc. Ci. Argent. 96: 70. 1923 syn. sec. Korotkova (2021) ≡ *Efossus zacatecasensis* (Britton & Rose) Orcutt in Cactography 5. 1926 syn. sec. Korotkova (2021) ≡ *Echinocactus zacatecasensis* A.Berger, Kakteen: 246. 1929 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus zacatecasensis* (Britton & Rose) A.Berger, Kakteen: 246. 1929 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus zacatecasensis* (Britton & Rose) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933 syn. sec. Korotkova (2021) ≡ *Echinofossulocactus multicostatus* f. *zacatecasensis* (Britton & Rose) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus multicostatus* var. *zacatecasensis* (Britton & Rose) Lodé in Cact. Avent. 27: 29. 1995 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus lloydii* Britton & Rose, Cactaceae 3: 113. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea lloydii* (Britton & Rose) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus lloydii* (Britton & Rose) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Echinocactus lloydii* (Britton & Rose) A.Berger, Kakteen: 245. 1929 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus lloydii* (Britton & Rose) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus multicostatus* f. *lloydii* (Britton & Rose) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)

= *Echinofossulocactus zacatecasensis* var. *moranensis* Bravo in Cact. Succ. Mex. 14(3): 67. 1969 syn. sec. Guzmán Cruz & al. (2003)

***Stenocactus obvallatus* (DC.) A.Berger, Kakteen: 248. 1929.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Cactus obvallatus* Moc. & Sessé ex DC., Prodr. 3: 462. 1828 syn. sec. Hunt (2006) ≡ *Echinocactus obvallatus* DC., Prodr. 3: 462. 1828 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus obvallatus* (DC.) A.Berger ex A.W.Hill in Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Echinofossulocactus obvallatus* (DC.) Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea obvallata* (DC.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Korotkova (2021) ≡ *Efossus obvallatus* (DC.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Echinofossulocactus crispatus* f. *obvallatus* (DC.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus obvallatus* var. *spiniosior* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 20. 1845 syn. sec. Kew WCVP (2019)
- = *Echinocactus hastatus* var. *fulvispinus* Allardt ex C.F.Först., Handb. Cacteenk.: 315. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus biceras* Jacobi in Allg. Gartenzeitung 16: 370. 1848 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus caespitosus* Backeb. in Cact. Succ. J. Gr. Brit. 12: 81. 1950 syn. sec. Kew WCVP (2019)
- *Stenocactus pentacanthus* subsp. *tulensis* Halda, Kupčák & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 37. 2000, nom. inval. syn. sec. Kew WCVP (2019)

***Stenocactus ochoterenianus* Tiegel in Möller's Deutsche Gärtn.-Zeitung 48: 397. 1933.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Stenocactus ochoterenianus* Tiegel in Möller's Deutsche Gärtn.-Zeitung 48: 397, fig. 1933 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus ochoterenianus* (Tiegel) Whitmore in Cact. Succ. J. (Los Angeles) 5: 589. 1934 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus boedekerianus* f. *ochoterenianus* (Tiegel) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus ochoterenianus* (Tiegel) H.C.Whitmore syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus densispinus* Schmoll in Cact. Succ. J. (Los Angeles) 6: 37. 1934 syn. sec. Tropicos
- = *Echinofossulocactus parksianus* Whitmore ex Schmoll in Cact. Succ. J. (Los Angeles) 6: 37. 1934 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus parksianus* C.Schmoll ex Pechanek in Cactus (Antwerp) 3: 130. 1971 syn. sec. Tropicos ≡ *Echinofossulocactus boedekerianus* f. *parksianus* (Pechanek) P.V.Heath in Calyx 2: 86. 1992 syn. sec. WFO 2019
- = *Echinofossulocactus rosasianus* Whitmore ex Schmoll in Cact. Succ. J. (Los Angeles) 6: 37. 1934 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus rosasianus* Whitmore ex Pechanek in Cactus (Antwerp) 3: 131. 1971 syn. sec. Tropicos ≡ *Echinofossulocactus rosasianus* (Pechanek) P.V.Heath in Calyx 2(3): 86. 1992 syn. sec. Tropicos ≡ *Echinofossulocactus boedekerianus* f. *rosasianus* (Pechanek) P.V.Heath in Calyx 2: 86. 1992 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus bustamantei* (Bravo) Croizat in Cact. Succ. J. (Los Angeles) 14: 111. 1942 syn. sec. WFO 2019 ≡ *Stenocactus bustamantei* Bravo in Anales Inst. Biol. Univ. Nac. México 15: 424. 1944 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus densispinus* Tiegel ex Pechanek in Cactus (Antwerp) 3: 132. 1971 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus boedekerianus* f. *densispinus* (Pechanek) P.V.Heath in Calyx 2: 86. 1992 syn. sec. WFO 2019

***Stenocactus pentacanthus* (Lem.) A.Berger, Kakteen: 247. 1929.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Echinocactus pentacanthus* Lem., Cact. Aliq. Nov.: 27. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus anfractuosus* var. *pentacanthus* (Lem.) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 31. 1850 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus pentacanthus* (Lem.) Britton & Rose, Cactaceae 3: 115. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea pentacantha* (Lem.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus pentacanthus* (Lem.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus pentacanthus* (Lem.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus crispatus* f. *pentacanthus* (Lem.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus kellerianus* Krainz syn. sec. Tropicos
- = *Echinofossulocactus pentacanthus* var. *david-boudetianus* Bravo syn. sec. TPL (2013)

***Stenocactus phyllacanthus* (Mart) A.Berger, Kakteen: 249. 1929.** Sec. Guzmán Cruz & al. (2003)

- ≡ *Echinocactus phyllacanthus* Mart. in Allg. Gartenzeitung 4: 201. 1836 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus phyllacanthus* (Mart.) Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 317. 1841 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea phyllacantha* (Mart.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Korotkova (2021) ≡ *Efossus phyllacanthus* (Mart.) Orcutt in Cactography 5. 1926 syn. sec. Korotkova (2021) ≡ *Stenocactus phyllacanthus* (Mart.) A.Berger ex A.W.Hill in Index Kew. 8: 228. 1933, later isonym syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus phyllacanthus* (Mart.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 42: 108. 1980 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus phyllacanthoides* Lem., Cact. Gen. Sp. Nov.: 28. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus phyllacanthoides* var. *laevior* Lem., Cact. Gen. Sp. Nov.: 90. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus phyllacanthoides* var. *macracanthus* Lem., Cact. Gen. Sp. Nov.: 90. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus phyllacanthoides* var. *micracanthus* Lem., Cact. Gen. Sp. Nov.: 90. 1839 syn. sec. Kew WCVP (2019)
- = *Echinocactus tricuspis* Scheidw. in Allg. Gartenzeitung 9: 51. 1841 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus tricuspis* (Scheidw.) Britton & Rose, Cactaceae 3: 117. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Efossus tricuspis* (Scheidw.) Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019) ≡ *Stenocactus tricuspis* (Scheidw.) A.Berger ex Backeb. & F.M.Knuth, Kaktus-ABC: 355. 1936 ["1935"] syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinocactus phyllacanthus* var. *tricuspis* (Scheidw.) C.F.Först., Handb. Cacteenk.: 311. 1846 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinofossulocactus phyllacanthus* var. *macracanthus* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 317. 1841 syn. sec. Kew WCVP (2019)
- = *Echinofossulocactus phyllacanthus* var. *micracanthus* Lawr. in Gard. Mag. & Reg. Rural Domest. Improv. 17: 317. 1841 syn. sec. Kew WCVP (2019)
- = *Echinocactus melmsianus* Wegener in Allg. Gartenzeitung 12: 65. 1844 syn. sec. Kew WCVP (2019)

- = *Echinocactus hookeri* Muehlenpf. in Allg. Gartenzeitung 13: 345. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus phyllacanthus* var. *hookeri* (Muehlenpf.) Bravo syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus sulphureus* (A.Dietr.) Bravo in Cact. Suc. Mex. 27(1): 16. 1982.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus sulphureus* A.Dietr. in Allg. Gartenzeitung 13: 170. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus sulphureus* (A.Dietr.) Y.Itô, Cacti, ed. 2: 101. 1952 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus gladiatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 426. 1827 syn. sec. Tropicos ≡ *Echinofossulocactus gladiatus* (Link & Otto) Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. Kew WCVP (2019) ≡ *Brittonrosea gladiata* (Link & Otto) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Melocactus gladiatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 3: 426. 1827 syn. sec. Kew WCVP (2019) ≡ *Efossus gladiatus* (Link & Otto) Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019) ≡ *Stenocactus gladiatus* (Link & Otto) A.Berger ex Backeb. & F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"] syn. sec. Hunt (2006)
- Stenocactus tetraxiphus* (Otto ex K.Schum.) A.Berger, Kakteen: 244. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus tetraxiphus* Otto ex K.Schum., Gesamtbeschr. Kakt.: 363. 1898 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocactus tetraxiphus* (Otto ex K.Schum.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Korotkova (2021) ≡ *Echinofossulocactus tetraxiphus* (Otto ex K.Schum.) Oehme in Beitr. Sukkulenteenk. Sukkulenteenpflege 1938: 82. 1938 syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus vaupelianus* (Werderm.) F.M.Knuth, Kaktus-ABC: 355. 1936 ["1935"].** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus vaupelianus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 273. 1931 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus vaupelianus* (Werderm.) Oehme in Beitr. Sukkulenteenk. Sukkulenteenpflege 1938: 82. 1938 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ferocactus vaupelianus* (Werderm.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 42: 108. 1980 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus spinosus* f. *vaupelianus* (Werderm.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus spinosus* Wegener in Allg. Gartenzeitung 12: 166. 1844 syn. sec. Tropicos ≡ *Echinocactus acifer* var. *spinosus* (Wegener) Wegener in Linnaea 19: 355. 1846, nom. illeg. ≡ *Echinofossulocactus spinosus* (Wegener) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Echinocactus albatrus* A.Dietr. in Allg. Gartenzeitung 14: 170. 1846 syn. sec. Kew WCVP (2019) ≡ *Echinofossulocactus albatrus* (A.Dietr.) Britton & Rose, Cactaceae 3: 112. 1922 syn. sec. Tropicos ≡ *Brittonrosea albata* (A.Dietr.) Speg. in Anales Soc. Ci. Argent. 96: 69. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus albatrus* (A.Dietr.) Orcutt in Cactography 5. 1926 syn. sec. Tropicos ≡ *Stenocactus albatrus* (A.Dietr.) F.M.Knuth, Kaktus-ABC: 354. 1936 ["1935"] syn. sec. Tropicos ≡ *Echinofossulocactus spinosus* f. *albatrus* (A.Dietr.) P.V.Heath in Calyx 2: 87. 1992 syn. sec. Tropicos
- = *Stenocactus rectispinus* Schmoll syn. sec. Guzmán Cruz & al. (2003)
- Stenocactus wippermannii* (Muehlenpf.) A.Berger, Kakteen: 246. 1929.** Sec. Guzmán Cruz & al. (2003)
- ≡ *Echinocactus wippermannii* Muehlenpf. in Allg. Gartenzeitung 14: 370. 1846 syn. sec. Guzmán Cruz & al. (2003) ≡ *Echinofossulocactus wippermannii* (Muehlenpf.) Britton & Rose, Cactaceae 3: 111. 1922 syn. sec. Guzmán Cruz & al. (2003) ≡ *Brittonrosea wippermannii* (Muehlenpf.) Speg. in Anales Soc. Ci. Argent. 96: 70. 1923 syn. sec. Kew WCVP (2019) ≡ *Efossus wippermannii* (Muehlenpf.) Orcutt in Cactography 5. 1926 syn. sec. Kew WCVP (2019) ≡ *Stenocactus wippermannii* (Muehlenpf.) A.Berger ex A.W.Hill, Index Kew. 8: 228. 1933, later isonym syn. sec. Guzmán Cruz & al. (2003)
- Stenocereus* (A.Berger) Riccob. in Boll. Reale Orto Bot. Palermo 8: 253. 1909, nom. cons.** Sec. Hunt (2006)
- Type: *Stenocereus stellatus* (Pfeiff.) Riccob.
- ≡ *Cereus* subg. *Stenocereus* A.Berger in Rep. (Annual) Missouri Bot. Gard. 16: 66. 1905 syn. sec. Hunt (2006)
- = *Rathbunia* Britton & Rose in Contr. U.S. Natl. Herb. 12: 414. 1909 syn. sec. Hunt (2006). Type: *Rathbunia sonorensis* (Runge ex Schum.) Britton & Rose
- = *Machaerocereus* Britton & Rose, Cactaceae 2: 114. 1920 syn. sec. Hunt (2006). Type: *Machaerocereus eruca* (K.Brandegee) Britton & Rose
- = *Lemaireocereus* subg. *Isolatocereus* Backeb. in Blätt. Kakteenf. 1938(6): 17. 1938 syn. sec. Hunt (2006)
- = *Neolemaireocereus* Backeb. in Cactaceae (Berlin) 1941(2): 76. 1942 syn. sec. Kew WCVP (2019). Type: *Neolemaireocereus stellatus* (Pfeiff.) Backeb.
- = *Ritterocereus* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1941: 76. 1942 syn. sec. Hunt (2006). Type: *Ritterocereus standleyi* (G.J.Ortega) Backeb.
- = *Hertrichocereus* Backeb. in Cact. Succ. J. (Los Angeles) 22: 153. 1950 syn. sec. Hunt (2006). Type: *Hertrichocereus beneckeii* (Ehrenb.) Backeb.
- = *Stenocereus* subg. *Nigellocereus* P.V.Heath in Calyx 5(3): 100. 1996 syn. sec. Hunt (2006)
- ≡ *Nigellocereus* (P.V.Heath) P.V.Heath in Calyx 6: 1. 1998 syn. sec. Kew WCVP (2019). Type: not designated
- = ×*Rittellicereus* P.V.Heath in Calyx 6: 1. 1998 syn. sec. Kew WCVP (2019)
- = *Glandulicereus* Guiggi in Cactology 3: 6. 2012 syn. sec. Arias (2021). Type: *Glandulicereus thurberi* (Engelm.) Guiggi
- = *Neogriseocereus* Guiggi in Cactology 3 (Suppl. IV): 1. 2013 syn. sec. Arias (2021). Type: *Neogriseocereus fimbriatus* (Lam.) Guiggi
- *Griseocactus* Guiggi in Cactology 3 (Suppl. I): 1. 2012, nom. inval. syn. sec. Arias (2021). Type: *Griseocactus fimbriatus* (Lam.) Guiggi
- *Griseocereus* Guiggi in Cactology 3: 7. 2012, nom. inval. syn. sec. Arias (2021). Type: *Griseocereus fimbriatus* (Lam.) Guiggi

Notes. – **Phylogenetics:** *Stenocereus* is a monophyletic genus if *S. aragonii* and *S. eichlamii* are excluded. The exclusion of *S. dumortieri* is still poorly supported, while retention of *S. yunckeri* is ambiguous; contains at least four clades (Alvarado-Sizzo et al. 2018; Alvarado-Sizzo et al. 2019; Arreola-Nava & Terrazas 2003). *Stenocereus* is one of the most diverse in Echinocereaceae, in stem and flower morphology. Its greatest taxonomic diversity is found in south-central Mexico. [Arias (2021)]

***Stenocereus alamosensis* (J.M.Coult.) A.C.Gibson & K.E.Horak in Ann. Missouri Bot. Gard. 65(4): 1006. 1979 ["1978"].** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus alamosensis* J.M.Coult. in Contr. U.S. Natl. Herb. 3: 406. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia alamosensis* (J.M.Coult.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 415. 1909 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus simonii* Hildm. in Monatsschr. Kakteenk. 5: 43. 1895 syn. sec. Britton & Rose (1920)

= *Cereus sonorensis* K.Schum. in Monatsschr. Kakteenk. 11: 135. 1901 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia sonorensis* (Runge ex Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 415. 1909 syn. sec. Guzmán Cruz & al.

(2003) ≡ *Rathbunia alamosensis* var. *sonorensis* (K.Schum.) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocereus alamosensis* var. *sonorensis* (K.Schum.) P.V.Heath in Calyx 5: 100. 1996 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus pseudosonorensis* Gürke in Monatsschr. Kakteenk. 20: 147, 173. 1910 syn. sec. Kew WCVP (2019) ≡ *Rathbunia pseudosonorensis* (Gürke) A.Berger, Kakteen: 133. 1929 syn. sec. Kew WCVP (2019)

= *Rathbunia neosonorensis* Backeb., Cactaceae 4: 2127. 1960 syn. sec. Guzmán Cruz & al. (2003)

= *Rathbunia alamosensis* f. *cristata* P.V.Heath in Calyx 2: 103. 1992 syn. sec. Kew WCVP (2019) ≡ *Stenocereus alamosensis* f. *cristatus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996 syn. sec. Kew WCVP (2019)

***Stenocereus beneckeii* (Ehrenb.) A.Berger & Buxb. in Bot. Stud. 12: 99. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus beneckeii* Ehrenb. in Bot. Zeitung (Berlin) 2: 835. 1844 syn. sec. Guzmán Cruz & al. (2003) ≡ *Piptanthocereus beneckeii* (Ehrenb.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 226. 1909 syn. sec. Hunt (2006) ≡ *Lemaireocereus beneckeii* (Ehrenb.)

Britton & Rose, Cactaceae 4: 273–274, f. 247. 1923 syn. sec. Guzmán Cruz & al. (2003) ≡ *Hertrichocereus beneckeii* (Ehrenb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 120. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia beneckeii* (Ehrenb.) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus farinosus* Haage ex Salm-Dyck in Allg. Gartenzeitung 13: 355. 1845 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cereus beneckeii* var. *farinosus* (Haage ex Salm-Dyck) Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 48. 1850 syn. sec. Guzmán Cruz & al. (2003)

= *Echinocactus farinosus* C.F.Först., Handb. Cacteenk.: 396. 1846 syn. sec. Kew WCVP (2019)

= *Rathbunia beneckeii* f. *cristatus* P.V.Heath in Calyx 2: 103. 1992 syn. sec. Kew WCVP (2019) ≡ *Stenocereus beneckeii* f. *cristatus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996

***Stenocereus chachalapensis* (Bravo & T.MacDoug.) Buxb. in Bot. Stud. 12: 100. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Ritterocereus chachalapensis* Bravo & T.MacDoug. in Cact. Suc. Mex. 2(3): 50–52, f. 35–39. 1957 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia chachalapensis* (Bravo & T.MacDoug.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al.

(2003) ≡ *Glandulicereus chachalapensis* (Bravo & T.MacDoug.) Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021)

***Stenocereus chrysocarpus* Sánchez-Mej. in Cact. Suc. Mex. 17(4): 95, f. 56–58. 1972.** Sec. Guzmán Cruz & al. (2003)

≡ *Rathbunia chrysocarpa* (Sánchez-Mej.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus chrysocarpus* (Sánchez-Mej.) Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021)

***Stenocereus eruca* (K.Brandege) A.C.Gibson & K.E.Horak in Ann. Missouri Bot. Gard. 65(4): 100. 1978 ["1979"].** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus eruca* K.Brandege in Proc. Calif. Acad. Sci. ser. 2, 2: 163. 1889 syn. sec. Guzmán Cruz & al. (2003) ≡

Lemaireocereus eruca (K.Brandege) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 425. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Machaerocereus eruca* (K.Brandege) Britton & Rose, Cactaceae 2: 115–116, f. 171–172. 1920 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia eruca* (K.Brandege) P.V.Heath in Calyx 2: 102. 1992 syn. sec. Guzmán Cruz & al. (2003)

***Stenocereus fricii* Sánchez-Mej. in Cact. Suc. Mex. 18(4): 89. 1973.** Sec. Guzmán Cruz & al. (2003)

≡ *Rathbunia fricii* (Sánchez-Mej.) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Griseocactus fricii* (Sánchez-Mej.) Guiggi in Cactology 3 (Suppl. I): 1. 2012 syn. sec. Korotkova (2021) ≡ *Griseocereus fricii* (Sánchez-Mej.)

Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021) ≡ *Neogriseocereus fricii* (Sánchez-Mej.) Guiggi in Cactology 3 (Suppl. IV): 1. 2013 syn. sec. Korotkova (2021)

***Stenocereus griseus* (Haw.) Buxb. in Bot. Stud. 12: 100. 1961.** Sec. Alvarado-Sizzo & al. (2019)

≡ *Cereus griseus* Haw., Syn. Pl. Succ.: 182. 1812 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Lemaireocereus griseus* (Haw.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 425. 1909 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Neolemaireocereus griseus* (Haw.)

Backeb. in Cactaceae (Berlin) 1944: 17. 1944 syn. sec. Hunt (2006) ≡ *Ritterocereus griseus* (Haw.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 121. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia grisea* (Haw.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Griseocactus griseus* (Haw.) Guiggi in Cactology 3 (Suppl. I): 1. 2012 ≡ *Griseocereus griseus* (Haw.) Guiggi in Cactology 3: 8. 2012 syn. sec. Hunt (2006) ≡ *Neogriseocereus griseus* (Haw.) Guiggi in Cactology 3 (Suppl. IV): 2. 2013

= *Cactus eburneus* Link, Enum. Hort. Berol. Alt. 2: 22. 1822 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew.

= *Cereus eburneus* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 6. 1822 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cactus eburneus* (Salm-Dyck) Spreng., Syst. Veg., ed. 16, 2: 494. 1825 syn. sec. Kew WCVP (2019) ≡ *Lemaireocereus eburneus* (Salm-Dyck) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Korotkova (2021)

- = *Cereus eburneus* var. *monstrosus* Salm-Dyck ex DC., Prodr. 3: 465. 1828 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia grisea* var. *monstrosa* (Salm-Dyck ex DC.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocereus griseus* var. *monstrosus* (Salm-Dyck ex DC.) P.V.Heath in Calyx 5: 101. 1996 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus eburneus* var. *polygonus* Pfeiff., Enum. Diagn. Cact.: 91. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus polygonatus* Pfeiff., Enum. Diagn. Cact.: 91. 1837 syn. sec. Kew WCVP (2019)
- = *Cereus clavatus* Otto & A.Dietr. in Allg. Gartenzeitung 6: 28. 1838 syn. sec. Tropicos
- = *Cereus deficiens* Otto & A.Dietr. in Allg. Gartenzeitung 6: 28. 1838 syn. sec. Guzmán Cruz & al. (2003) ≡ *Pilocereus deficiens* (Otto & A.Dietr.) Walton in Cact. J. (London) 1: 26. 1898 syn. sec. Kew WCVP (2019) ≡ *Lemaireocereus deficiens* (Otto & A.Dietr.) Britton & Rose, Cactaceae 2: 94. 1920 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ritterocereus deficiens* (Otto & A.Dietr.) Backeb. in Cact. Succ. J. (Los Angeles) 23(4): 121. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocereus deficiens* (Otto & A.Dietr.) Buxb. in Bot. Stud. 12: 100. 1961 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Rathbunia deficiens* (Otto & A.Dietr.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus resupinatus* Salm-Dyck in Allg. Gartenzeitung 8: 10. 1840 syn. sec. Britton & Rose (1920)
- = ?*Cereus zizkaanus* K.Schum. in Monatsschr. Kakteenk. 5: 44. 1895 syn. sec. Britton & Rose (1920) ≡ ?*Cereus zizkaanus* (K.Schum.) Schelle, Handb. Kakteenkult.: 63. 1907 syn. sec. Britton & Rose (1920)
- = *Rathbunia grisea* f. *cristata* P.V.Heath in Calyx 2: 104. 1992 ≡ *Stenocereus griseus* f. *cristatus* (P.V.Heath) P.V.Heath in Calyx 5: 101. 1996 syn. sec. Kew WCVP (2019)
- *Cereus peruvianus* Hort. ex C.F.Först., Handb. Cacteenk.: 392. 1846, nom. inval. syn. sec. Förster (1846)

***Stenocereus gummosus* (Engelm.) A.C.Gibson & K.E.Horak, Ann. Missouri Bot. Gard. 65(4): 107. 1978 [“1979”].** Sec. Hunt (2006)

- ≡ *Cereus gummosus* Engelm. in Proc. Calif. Acad. Sci. ser. 2, 2: 162. 1889 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus gummosus* (Engelm.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 425. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Machaerocereus gummosus* (Engelm.) Britton & Rose, Cactaceae 2: 116–117, f. 173–175. 1920 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia gummosa* (K.Brandegee) P.V.Heath in Calyx 2: 102. 1992 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus cumengei* F.A.C.Weber in Monatsschr. Kakteenk. 6: 137. 1896 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus cumengei* (F.A.C.Weber) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 424. 1909 syn. sec. Guzmán Cruz & al. (2003)
- = *Cereus flexuosus* Engelm. in Contr. U.S. Natl. Herb. 3: 411. 1896 syn. sec. Britton & Rose (1920)
- = *Cereus gummatos* Hildm., Gesamtbeschr. Kakt.: 125. 1897 syn. sec. Hunt (2006)
- = *Cereus pfersdorffii* Hildm. ex K.Schum., Gesamtbeschr. Kakt.: 125. 1897 syn. sec. Kew WCVP (2019)
- = *Rathbunia gummosa* f. *cristata* P.V.Heath in Calyx 2: 102. 1992 syn. sec. Hunt (2006) ≡ *Stenocereus gummosus* f. *cristatus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996 syn. sec. Kew WCVP (2019)
- = *Rathbunia gummosa* f. *tortuosa* P.V.Heath in Calyx 2: 102. 1992 ≡ *Stenocereus gummosus* f. *tortuosus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996 syn. sec. Kew WCVP (2019)
- *Cereus gumminosus* Hort. ex K.Schum., Gesamtbeschr. Kakt.: 125. 1897, nom. inval. syn. sec. Hunt (2006)

***Stenocereus heptagonus* (L.) Mottram in Cactician 3: 27. 2013.** Sec. Alvarado-Sizzo & al. (2019)

- ≡ *Cactus heptagonus* L., Sp. Pl.: 466. 1753 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Cereus heptagonus* (L.) Mill., Gard. Dict., ed. 8: Cereus No. 6. 1768 syn. sec. Arias (2021)
- = *Cactus fimbriatus* Lam., Encycl. 1(1): 539. 1783 syn. sec. Arias (2021) ≡ *Cactus fimbriatus* (Lam.) Descourt., Fl. Méd. Antilles 6: 160. 1828 syn. sec. Arias (2021) ≡ *Cereus fimbriatus* (Lam.) DC., Prodr. 3: 464. 1828 syn. sec. Arias (2021) ≡ *Pilocereus fimbriatus* Lem. in Rev. Hort. 1862: 427. 1862 syn. sec. Arias (2021) ≡ *Harrisia fimbriata* (Lam.) F.M.Knuth, Kaktus-ABC: 309. 1936 [“1935”] syn. sec. Arias (2021) ≡ *Ritterocereus fimbriatus* (Lam.) Backeb., Cactaceae 4: 2183. 1960 syn. sec. Arias (2021) ≡ *Stenocereus fimbriatus* (Lam.) Lourteig in Bradea 5(44): 408. 1991 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Rathbunia fimbriata* (Lam.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Arias (2021) ≡ *Griseocactus fimbriatus* (Lam.) Guiggi in Cactology 3 (Suppl. I): 1. 2012 syn. sec. Arias (2021) ≡ *Griseocereus fimbriatus* (Lam.) Guiggi in Cactology 3 (Suppl. IV): 1. 2013 syn. sec. Arias (2021)
- = *Cactus hystrix* Haw., Suppl. Pl. Succ.: 73. 1819 syn. sec. Arias (2021) ≡ *Cactus hystrix* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 7. 1822 syn. sec. Arias (2021) ≡ *Cereus hystrix* (Haw.) Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 7. 1822 syn. sec. Arias (2021) ≡ *Echinocactus hystrix* Haw. in Philos. Mag. Ann. Chem. 9: 116. 1830 syn. sec. Arias (2021) ≡ *Lemaireocereus hystrix* (Haw.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 425. 1909 syn. sec. Arias (2021) ≡ *Ritterocereus hystrix* (Haw.) Backeb. in Cactaceae (Berlin) 1943-1944: 17. 1944 syn. sec. Arias (2021) ≡ *Stenocereus hystrix* (Haw.) Buxb. in Bot. Stud. 12: 100. 1960 syn. sec. Alvarado-Sizzo & al. (2019)
- = *Cereus grandispinus* Haw. in Philos. Mag. Ann. Chem. 9: 109. 1830 syn. sec. Arias (2021) ≡ *Pilocereus grandispinus* (Haw.) Lem. in Rev. Hort. 1862: 427. 1861 syn. sec. Arias (2021)
- = *Cereus olivaceus* Lem., Rev. Hort. IV, 8: 643. 1859 syn. sec. Britton & Rose (1920)
- = *Cereus swartzii* Griseb., Fl. Brit. W. I.: 301. 1861 syn. sec. Franck & al. (2019) ≡ *Cephalocereus swartzii* (Griseb.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 420. 1909 syn. sec. Franck & al. (2019) ≡ *Pilosocereus swartzii* (Griseb.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 69. 1957 syn. sec. Franck & al. (2019)

***Stenocereus huastecorum* Alvarado-Sizzo, Arreola-Nava & Terrazas in PLoS ONE 13(1): e0190385. 2018.** Sec. Alvarado-Sizzo & al. (2018)

***Stenocereus humilis* (Britton & Rose) D.R.Hunt in Cactaceae Syst. Init. 14: 11. 2002.** Sec. Hunt (2016)

- ≡ *Lemaireocereus humilis* Britton & Rose, Cactaceae 2: 101, f. 149–150. 1920 syn. sec. Hunt (2006) ≡ *Ritterocereus humilis* (Britton & Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23: 121. 1951 syn. sec. Tropicos ≡ *Armatocereus humilis* (Britton & Rose) Backeb., Cactaceae 2: 905. 1959 syn. sec. Hunt (2016)

***Stenocereus kerberi* (K.Schum.) A.C.Gibson & K.E.Horak in Ann. Missouri Bot. Gard. 65(4): 107. 1979 ["1978"].** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus kerberi* K.Schum., Gesamtschr. Kakt.: 89. 1897 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cleistocactus kerberi* (K.Schum.) Rol.-Goss., *Cleistocactus*: 5. 1904 syn. sec. Kew WCVP (2019) ≡ *Rathbunia kerberi* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 415. 1909 syn. sec. Guzmán Cruz & al. (2003)

***Stenocereus laevigatus* (Salm-Dyck) Buxb. in Bot. Stud. 12: 100. 1961.** Sec. Alvarado-Sizzo & al. (2019)

≡ *Cereus laevigatus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 204. 1850 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Lemaireocereus laevigatus* (Salm-Dyck) Borg, Cacti, ed. 2: 163. 1951 syn. sec. Alvarado-Sizzo & al. (2019) ≡ *Ritterocereus laevigatus* (Salm-Dyck) Backeb., *Cactaceae* 4: 2178. 1960 syn. sec. Arias (2021) ≡ *Rathbunia laevigata* (Salm-Dyck) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Alvarado-Sizzo & al. (2019)

= *Lemaireocereus longispinus* Britton & Rose, *Cactaceae* 2: 89, f. 131. 1920 syn. sec. Arias (2021) ≡ *Stenocereus longispinus* (Britton & Rose) Buxb. in Bot. Stud. 12: 100. 1961 syn. sec. Arias (2021) ≡ *Rathbunia longispinus* (Britton & Rose) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Arias (2021)

***Stenocereus martinezii* (J.G.Ortega) Buxb. in Bot. Stud. 12: 100. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Lemaireocereus martinezii* J.G.Ortega in Revista Mexico Forestal 6: 8. 1928 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia martinezii* (J.G.Ortega) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus martinezii* (J.G.Ortega) Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021)

***Stenocereus montanus* (Britton & Rose) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Lemaireocereus montanus* Britton & Rose, *Cactaceae* 2: 97. 1920 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ritterocereus montanus* (Britton & Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23(4): 121. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia montana* (Britton & Rose) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus montanus* (Britton & Rose) Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021)

***Stenocereus pruinosus* (Otto ex Pfeiff.) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Echinocactus pruinosus* Otto ex Pfeiff., Enum. Diagn. Cact.: 54. 1837 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cereus pruinosus* (Otto ex Pfeiff.) C.F.Först., Handb. Cacteenk.: 398. 1846 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus pruinosus* (Otto ex Pfeiff.) Britton & Rose, *Cactaceae* 2: 88. 1920 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ritterocereus pruinosus* (Otto) Backeb. in Cact. Succ. J. (Los Angeles) 23(4): 121. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia pruinosus* (Otto ex Pfeiff.) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Griseocactus pruinosus* (Otto ex Pfeiff.) Guiggi in Cactology 3 (Suppl. I): 1. 2012 syn. sec. Korotkova (2021) ≡ *Griseocereus pruinosus* (Otto ex Pfeiff.) Guiggi in Cactology 3: 8. 2012 syn. sec. Korotkova (2021) ≡ *Neogriseocereus pruinosus* (Otto ex Pfeiff.) Guiggi in Cactology 3 (Suppl. IV): 2. 2013 syn. sec. Korotkova (2021)

= *Cereus roridus* Pfeiff., Enum. Diagn. Cact.: 54. 1837 syn. sec. Kew WCVP (2019)

= *Cactus pruinosus* Monv. ex Steud., Nomencl. Bot., ed. 2, 1: 246. 1840 syn. sec. Kew WCVP (2019)

= *Cereus edulis* F.A.C.Weber ex Rother in Monatsschr. Kakteenk. 10: 55. 1900 syn. sec. Britton & Rose (1920)

***Stenocereus queretaroensis* (F.A.C.Weber) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus queretaroensis* F.A.C.Weber ex Mathsson in Monatsschr. Kakteenk. 1: 27. 1891 syn. sec. Guzmán Cruz & al. (2003: (f. Tropicos 26 aug 2020)) ≡ *Lemaireocereus queretaroensis* (F.A.C.Weber ex Mathsson) Saff. in Annual Rep. U.S. Natl. Mus.: 1908. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Pachycereus queretarensis* (F.A.C.Weber ex Mathsson) Britton & Rose in Contr. U.S. Natl. Herb. 12: 422. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ritterocereus queretaroensis* (F.A.C.Weber ex Mathsson) Backeb. in Cact. Succ. J. (Los Angeles) 23(4): 121. 1951 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia queretaroensis* (F.A.C.Weber ex Mathsson) P.V.Heath in Calyx 2: 104. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus queretaroensis* (F.A.C.Weber ex Mathsson) Guiggi in Cactology 3: 7. 2012 syn. sec. Guzmán Cruz & al. (2003)

= *Lemaireocereus queretarensis* Britton & Rose, Stand. Cycl. Hort. 4: 1836. 1916 syn. sec. Kew WCVP (2019)

***Stenocereus quevedonis* (J.G.Ortega) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Lemaireocereus quevedonis* J.G.Ortega in Revista Mexico Forestal 6: 7. 1928 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia quevedonis* (J.G.Ortega) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus quevedonis* (J.G.Ortega) Guiggi in Cactology 3: 7. 2012 syn. sec. Korotkova (2021)

***Stenocereus standleyi* (J.G.Ortega) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Guzmán Cruz & al. (2003)

≡ *Lemaireocereus standleyi* J.G.Ortega in Rev. Mex. Biol. 7(5): 121. 1927 syn. sec. Guzmán Cruz & al. (2003) ≡ *Ritterocereus standleyi* (J.G.Ortega) Backeb. in *Cactaceae* (Berlin) 1941(2): 48. 1942 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia standleyi* (J.G.Ortega) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003)

***Stenocereus stellatus* (Pfeiff.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 253. 1909.** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus stellatus* Pfeiff. in Allg. Gartenzeitung 4: 258. 1836 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus stellatus* (Pfeiff.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 425, t. 69. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Neolemaireocereus stellatus* (Pfeiff.) Backeb. in *Cactaceae* (Berlin) 1941(2): 46. 1942 ≡ *Rathbunia stellata* (Pfeiff.) P.V.Heath in Calyx 2: 102. 1992 syn. sec. Guzmán Cruz & al. (2003)

= *Cereus dyckii* Mart. ex Pfeiff., Enum. Diagn. Cact.: 87. 1837 syn. sec. Britton & Rose (1920)

= *Cereus tonelianus* Lem. in Ill. Hort. 2(Misc.): 63. 1855 syn. sec. Britton & Rose (1920)

= *Cereus joconostle* F.A.C.Weber in Schumann, Gesamtschr. Kakt.: 79. 1897 syn. sec. Britton & Rose (1920)

= *Stenocereus stellatus* var. *tenellianus* Riccob. in Boll. Reale Orto Bot. Palermo 8: 254. 1909 syn. sec. Kew WCVP (2019)

= ?*Cereus torrellianus* Miers in Monatsschr. Kakteenk. 20: 42. 1910 syn. sec. Britton & Rose (1920)

***Stenocereus thurberi* (Engelm.) Buxb. in Bot. Stud. 12: 101. 1961.** Sec. Parfitt & Gibson (2003)

≡ *Cereus thurberi* Engelm. in Amer. J. Sci. Arts, ser. 2, 17: 234–235. 1854 ≡ *Marshallocereus thurberi* (Engelm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 121. 1951 ≡ *Pilocereus thurberi* Engelm. ex Rümpler, Handb. Cacteenk., ed. 2: 689. 1885 ≡ *Lemaireocereus thurberi* (Engelm.) Britton & Rose in Contr. U.S. Natl. Herb. 12(10): 426. 1909 ≡ *Neolemaireocereus thurberi* (Engelm.) Backeb. in Cactaceae (Berlin) 1943-1944: 10. 1944 ≡ *Rathbunia thurberi* (Engelm.) P.V.Heath in Calyx 2(3): 103. 1992 ≡ *Glandulicereus thurberi* (Engelm.) Guiggi in Cactology 3: 7. 2012

= *Cereus thurberi* var. *monstrosus* Dams in Monatsschr. Kakteenk. 14: 182. 1904 syn. sec. Kew WCVP (2019)

= *Rathbunia thurberi* f. *cristata* P.V.Heath in Calyx 2: 103. 1992 syn. sec. Kew WCVP (2019) ≡ *Stenocereus thurberi* f. *cristatus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996

= *Rathbunia thurberi* f. *dichotoma* P.V.Heath in Calyx 2: 103. 1992 syn. sec. Kew WCVP (2019) ≡ *Stenocereus thurberi* f. *dichotomus* (P.V.Heath) P.V.Heath in Calyx 5: 100. 1996

***Stenocereus thurberi* subsp. *littoralis* (K.Brandegee) N.P.Taylor in Cactaceae Consensus Init. 5: 13. 1998.** Sec. Guzmán Cruz & al. (2003)

≡ *Cereus thurberi* var. *littoralis* K.Brandegee in Zoë 5(10): 191. 1905 syn. sec. Guzmán Cruz & al. (2003) ≡ *Marshallocereus thurberi* var. *littoralis* (K.Brandegee) Backeb., Cactaceae 4: 2163. 1960 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocereus thurberi* var. *littoralis* (K.Brandegee) Bravo in Cact. Suc. Mex. 17(4): 119. 1972 syn. sec. Guzmán Cruz & al. (2003) ≡ *Stenocereus littoralis* (K.Brandegee) L.W.Lenz in Aliso 14(1): 63. 1995 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus thurberi* var. *littoralis* (K.Brandegee) G.E.Linds. in Desert Pl. Life 12: 186. 1940 syn. sec. Guzmán Cruz & al. (2003) ≡ *Lemaireocereus littoralis* (K.Brandegee) Gates in Cact. Succ. J. (Los Angeles) 30(4): 114. 1958 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia thurberi* var. *littoralis* (K.Brandegee) P.V.Heath in Calyx 2: 103. 1992 syn. sec. Guzmán Cruz & al. (2003) ≡ *Glandulicereus thurberi* subsp. *littoralis* (K.Brandegee) Guiggi in Cactology 3: 7. 2012 syn. sec. Guzmán Cruz & al. (2003)

***Stenocereus thurberi* subsp. *thurberi*.** Sec. Guzmán Cruz & al. (2003)

***Stenocereus treleasei* (Rose) Backeb. in Cact. Succ. J. (Los Angeles) 23: 120. 1951.** Sec. Guzmán Cruz & al. (2003)

≡ *Lemaireocereus treleasei* Rose in Contr. U.S. Natl. Herb. 12(10): 426, t. 70. 1909 syn. sec. Guzmán Cruz & al. (2003) ≡ *Cereus treleasei* (Rose) Vaupel in Monatsschr. Kakteenk. 23: 37. 1913 syn. sec. Guzmán Cruz & al. (2003) ≡ *Rathbunia treleasei* (Rose) P.V.Heath in Calyx 2: 102. 1992 syn. sec. Guzmán Cruz & al. (2003)

***Stenocereus yunckeri* (Standl.) P.V.Heath in Calyx 5(3): 101. 1996.** Sec. Hunt (2006)

≡ *Cereus yunckeri* Standl. in Publ. Field Mus. Nat. Hist., Bot. Ser. 9(4): 316, f. 7. 1940 syn. sec. Hunt (2006) ≡ *Rathbunia yunckeri* (Standl.) P.V.Heath in Calyx 2(3): 104. 1992 syn. sec. Hunt (2006) – *Stenocereus yunckeri* (Standl.) M.Bravo & Sánchez-Mej. in Cact. Suc. Mex. 28(4): 94. 1983, nom. inval. syn. sec. Hunt (2016)

***Stenocereus zopilotensis* Arreola-Nava & Terrazas in Brittonia 56: 96. 2004.** Sec. Kew WCVP (2019)

***Stephanocereus* A.Berger, Entwicklungslin. Kakt.: 97. 1926.** Sec. Taylor & Zappi (2004)

Type: *Stephanocereus leucostele* (Gürke) A.Berger

= *Coleocephalocereus* subg. *Lagenopsis* Buxb. in Krainz, Kakteen: 48-49, CIVb. 1972 syn. sec. Taylor & Zappi (2004). Type: *Cereus luetzelburgii* Vaupel

≡ *Pilosocereus* subg. *Lagenopsis* (Buxb.) Braun in Bradleya 6: 89. 1988 syn. sec. Taylor & Zappi (2004)

≡ *Stephanocereus* subg. *Lagenopsis* N.P.Taylor & Egli in Bradleya 9: 91. 1991 syn. sec. Taylor & Zappi (2004)

= *Lagenocereus* Doweld in Turczaninowia 5: 8. 2002 syn. sec. Taylor & Zappi (2004)

= *Lagenosocereus* Doweld in Turczaninowia 5(1): 8. 2002 syn. sec. Taylor & Zappi (2004)

***Stephanocereus leucostele* (Gürke) A.Berger, Entwicklungslin. Kakt.: 59, 97. 1926.** Sec. Taylor & Zappi (2004)

≡ *Cereus leucostele* Gürke in Monatsschr. Kakteenk. 18: 53. 1908 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus leucostele* (Gürke) Britton & Rose, Cactaceae 2: 36. 1920 syn. sec. Taylor & Zappi (2004) ≡ *Pilocereus leucostele* (Gürke) Werderm., Bras. Säulenakt.: 112. 1933 syn. sec. Taylor & Zappi (2004)

***Stephanocereus luetzelburgii* (Vaupel) N.P.Taylor & Egli in Bradleya 9: 91. 1991.** Sec. Taylor & Zappi (2004)

≡ *Cereus luetzelburgii* Vaupel in Z. Sukkulantenk. 1: 57. 1923 syn. sec. Taylor & Zappi (2004) ≡ *Pilocereus luetzelburgii* (Vaupel) Werderm., Bras. Säulenakt.: 111. 1933 syn. sec. Taylor & Zappi (2004) ≡ *Cephalocereus luetzelburgii* (Vaupel) Borg, Cacti, ed. 1: 111. 1937 syn. sec. Taylor & Zappi (2004) ≡ *Pilosocereus luetzelburgii* (Vaupel) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Taylor & Zappi (2004) ≡ *Pseudopilocereus luetzelburgii* (Vaupel) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Coleocephalocereus luetzelburgii* (Vaupel) Buxb. in Krainz, Kakteen 48-49: CIVb. 1972 syn. sec. Taylor & Zappi (2004) ≡ *Lagenosocereus luetzelburgii* (Vaupel) Doweld in Turczaninowia 5(1): 8. 2002 syn. sec. Taylor & Zappi (2004)

***Stetsonia* Britton & Rose, Cactaceae 2: 64. 1920.** Sec. Hunt (2006)

Type: *Stetsonia coryne* (Salm-Dyck) Britton & Rose

Notes. – Monotypic, sampled by Schlumpberger & Renner (2012), and found in a clade of several genera of columnar cacti, among others *Praecereus*, *Facheiroa*, *Leocereus*, *Espostoopsis*. [Korotkova & al. (2021)]

***Stetsonia coryne* (Salm-Dyck) Britton & Rose, Cactaceae 2: 64, pl. 9. 1920.** Sec. Hunt (2006)

≡ *Cereus coryne* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 205. 1850 syn. sec. Hunt (2006)

= *Cereus coryne* C.F.Först., Handb. Cacteenk.: 394. 1846 syn. sec. Kew WCVP (2019)

= *Cereus chacoanus* Vaupel in Monatsschr. Kakteenk. 26: 121. 1916 syn. sec. Kew WCVP (2019)

= *Stetsonia coryne* var. *procera* F.Ritter in Taxon 13: 116. 1964 syn. sec. Kew WCVP (2019)

***Strombocactus* Britton & Rose, Cactaceae 3: 106. 1922. Sec. Vázquez-Sánchez & al. (2013)**

Type: *Strombocactus disciformis* (DC.) Britton & Rose

Notes. – **Phylogenetics:** Confirmed as monophyletic by Vázquez-Sánchez & al. (2013). [Hernández-Ledesma & al. (2015)]

***Strombocactus corregidorae* S.Arias & E.Sánchez in Revista Mex. Biodivers. 81(3): 620-624. 2010. Sec. Vázquez-Sánchez & al. (2013)**

***Strombocactus disciformis* (DC.) Britton & Rose, Cactaceae 3: 106-107. 1922. Sec. Vázquez-Sánchez & al. (2013)**

≡ *Mammillaria disciformis* DC. in Mém. Mus. Hist. Nat. 17: 114. 1828 ≡ *Cactus disciformis* (DC.) Kuntze, Revis. Gen. Pl. 1: 260. 1891 ≡ *Echinocactus disciformis* (DC.) K.Schum., Nat. Pflanzenfam. 3(6)a: 189. 1894 ≡ *Ariocarpus disciformis* (DC.)

W.T.Marshall in Cact. Succ. J. (Los Angeles) 18: 56. 1946 ≡ *Pediocactus disciformis* (DC.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 186. 1998

= *Echinocactus turbiniformis* Pfeiff. in Allg. Gartenzeitung 6: 275. 1838 syn. sec. Tropicos ≡ *Echinofossulocactus turbiniformis* (Pfeiff.) Lawr. in Gard. Mag. (London) 17: 318. 1841 syn. sec. Kew WCVP (2019) ≡ *Strombocactus turbiniformis* (Pfeiff.) Frič in Českoslov. Zahradn. Listy 1924: 142. 1924 syn. sec. Kew WCVP (2019)

= *Echinocactus helianthodiscus* Lem. ex Salm-Dyck, Cact. Hort. Dyck.: 17. 1841 syn. sec. Kew WCVP (2019)

= *Mammillaria turbinata* Hook. in Bot. Mag. 69: t. 3984. 1842 syn. sec. Tropicos ≡ *Cactus turbinatus* (Hook.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019)

= *Strombocactus turbiniformis* var. *seidelii* Frič in Českoslov. Zahradn. Listy 1924: 146. 1924 syn. sec. Kew WCVP (2019) ≡ *Strombocactus disciformis* var. *seidelii* (Frič) Crkal, Lovec Kaktusu: 401. 1983 syn. sec. Kew WCVP (2019)

= *Strombocactus jarmilae* Halda in Cactaceae etc. 6(3): 83–86. 1996 syn. sec. Tropicos ≡ *Strombocactus disciformis* subsp. *jarmilae* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 4: 71. 1997 ≡ *Pediocactus jarmilae* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 186. 1998 syn. sec. Kew WCVP (2019) ≡ *Ariocarpus disciformis* subsp. *jarmilae* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 37. 1998

= *Strombocactus disciformis* f. *minimus* Pedro & Řiha in Kaktusy (Brno) 33: 84. 1997 syn. sec. Kew WCVP (2019)

***Strombocactus disciformis* subsp. *disciformis*. Sec. Hunt (2006)**

***Strombocactus disciformis* subsp. *esperanzae* Glass & S.Arias in Brit. Cact. Succ. J. 14(4): 202. 1996. Sec. Hunt (2006)**

≡ *Strombocactus disciformis* var. *esperanzae* (Glass & S.Arias) Pedro & Řiha in Kaktusy (Brno) 33: 84. 1997

= *Strombocactus pulcherrimus* Halda in Cactaceae etc. 6(3): 88–91. 1996 syn. sec. Tropicos ≡ *Ariocarpus pulcherrimus* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 37. 1998 ≡ *Pediocactus pulcherrimus* (Halda) Halda in Acta Mus. Richnov., Sect. Nat., 5: 186. 1998

***Strophocactus* Britton & Rose in Contr. U.S. Natl. Herb. 16: 262. 1913. Sec. Korotkova & al. (2017)**

Type: *Strophocactus wittii* (K.Schum.) Britton & Rose

= *Pseudoacanthocereus* F.Ritter, Kakteen Südamerika 1: 47. 1979 syn. sec. Korotkova & al. (2017). Type: *Pseudoacanthocereus brasiliensis* (Britton & Rose) F.Ritter

– *Strophocereus* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 21. 1935, nom. illeg. syn. sec. Kew WCVP (2019)

Notes. – *Strophocactus* was originally established as a monotypic genus by Britton & Rose (1913) and remained in this circumscription until (Hunt 1989) transferred *Strophocactus* to *Selenicereus*. The reinstatement of *Strophocactus* with three species previously placed in *Selenicereus* was suggested by Bauer (2003) and adapted by Hunt (2006). Korotkova & al. (2017), based on plastid *trnK/matK*, *rpl16* intron and *trnL-F*, found *Strophocactus* sensu Bauer (2003) as polyphyletic; its nomenclatural type *S. wittii* was found nested within *Pseudoacanthocereus*, as sister to *P. sicariguensis* while *Strophocactus* (= *Deamia*) *testudo* and *S. chontalensis* formed a highly-supported sister to the subtribe *Pachycereinae*. Based on these results, Korotkova & al. (2017) newly circumscribed *Strophocactus* to include *Pseudoacanthocereus* and reinstated *Deamia*. [Korotkova (2021)]

***Strophocactus brasiliensis* (Britton & Rose) S.Arias & N.Korotkova in Phytotaxa 327(1): 33. 2017. Sec. Korotkova & al. (2017)**

≡ *Acanthocereus brasiliensis* Britton & Rose, Cactaceae 2: 125. 1920 syn. sec. Korotkova & al. (2017) ≡ *Pseudoacanthocereus brasiliensis* (Britton & Rose) F.Ritter, Kakteen Südamerika 1: 47. 1979 syn. sec. Korotkova & al. (2017)

= *Pseudoacanthocereus boreominarum* Rizzini & A.Mattos in Revista Brasil. Biol. 46: 327. 1986 syn. sec. Hunt (2016) ≡ *Pseudoacanthocereus brasiliensis* f. *boreominarum* (Rizzini & A.Mattos) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"] syn. sec. Korotkova (2021)

***Strophocactus sicariguensis* (Croizat & Tamayo) S.Arias & N.Korotkova in Willdenowia 51: 265. 2021. Sec. Korotkova (2021)**

≡ *Acanthocereus sicariguensis* Croizat & Tamayo in Bol. Soc. Venez. Ci. Nat. 11: 75. 1947 syn. sec. Korotkova (2021) ≡ *Pseudoacanthocereus sicariguensis* (Croizat & Tamayo) N.P.Taylor in Bradleya 10: 30. 1992 syn. sec. Korotkova (2021) – *Strophocactus sicariguensis* (Croizat & Tamayo) S.Arias & N.Korotkova in Phytotaxa 327(1): 33. 2017, nom. inval. syn. sec. Korotkova (2021)

***Strophocactus wittii* (K.Schum.) Britton & Rose in Contr. U.S. Natl. Herb. 16: 262, pl. 84. 1913. Sec. Korotkova & al. (2017)**

≡ *Cereus wittii* K.Schum. in Monatsschr. Kakteenk. 10: 153. 1900 syn. sec. Korotkova & al. (2017) ≡ *Selenicereus wittii* (K.Schum.) G.D.Rowley in Excelsa 12: 36. 1986 syn. sec. Korotkova & al. (2017)

***Strophocactus wittii* subsp. *ericii* Kramm in Kakteen And. Sukk. 5: 118. 2015.** Sec. Kramm (2015)

Strophocactus wittii* subsp. *wittii

***Tacinga* Britton & Rose, Cactaceae 1: 39. 1919.** Sec. Hunt (2016)

Type: *Tacinga funalis* Britton & Rose

Notes. – **Phylogenetics:** *Tacinga* have been repeatedly found out of the *Opuntia* s.str. clade (Griffith and Porter, 2009; Majure & al. 2012), and sister of *Brasilopuntia* (Majure & al. 2012; Köhler & al. 2020). [Köhler (2021)]

***Tacinga armata* J.G.Freitas & E.M.Almeida in Phytotaxa 490(3): 241. 2021.** Sec. Freitas & al. (2021)

***Tacinga braunii* Esteves in Kakteen And. Sukk. 40(6): 135. 1989.** Sec. Taylor & Zappi (2004)

***Tacinga* ×*flammea* J.G.Freitas & E.M.Almeida in Phytotaxa 490(3): 247. 2021.** Sec. Freitas & al. (2021)

Notes. – *Tacinga inamoena* × *Tacinga wernerii* [Freitas & al. (2021)]

***Tacinga funalis* Britton & Rose, Cactaceae 1: 39–40, f. 49. 1919.** Sec. Taylor & Zappi (2004)

≡ *Opuntia funalis* (Britton & Rose) G.D.Rowley in Tephrocactus Study Group 12(3): 46. 2006 syn. sec. Kew WCVP (2019)

= *Tacinga atropurpurea* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 223. 1934 syn. sec. Hunt (2016) ≡ *Tacinga funalis*

var. *atropurpurea* (Werderm.) P.J.Braun & Esteves in Kakteen And. Sukk. 43: 96. 1992 ≡ *Tacinga funalis* subsp. *atropurpurea* (Werderm.) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 134. 1995

= *Tacinga zehntneri* Backeb. & Voll in Blätt. Kakteenf. 1935(3): 4. 1935 syn. sec. Taylor & Zappi (2004)

= *Tacinga atropurpurea* var. *zehntnerioides* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Taylor & Zappi (2004)

***Tacinga gladispina* J.G.Freitas & E.M.Almeida in Phytotaxa 490(3): 246. 2021.** Sec. Freitas & al. (2021)

***Tacinga inamoena* (K.Schum.) N.P.Taylor & Stuppy in Succ. Pl. Res. 6: 119. 2002.** Sec. Taylor & Zappi (2004)

≡ *Opuntia inamoena* K.Schum., Fl. Bras. 4(2): 306. 1890 syn. sec. Taylor & Zappi (2004) ≡ *Platyopuntia inamoena* (K.Schum.)

F.Ritter, Kakteen Südamerika 1: 32. 1979 syn. sec. Taylor & Zappi (2004)

= *Opuntia inamoena* var. *flaviflora* Backeb., Descr. Cact. Nov. 1: 10. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Platyopuntia inamoena* f. *spinigera* F.Ritter, Kakteen Südamerika 1: 32. 1979 syn. sec. Kew WCVP (2019) ≡ *Opuntia inamoena* f. *spinigera* (F.Ritter) P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 61: 272. 1989 syn. sec. Kew WCVP (2019)

***Tacinga lilae* (Trujillo & Marisela Ponce) Majure & R.Puente in Syst. Bot. 38(2): 450. 2013.** Sec. Majure & al. (2013)

≡ *Opuntia lilae* Trujillo & Marisela Ponce in Ernstia 58-60: 1-2, fig. 1. 1990 syn. sec. Majure & al. (2013)

***Tacinga palmadora* (Britton & Rose) N.P.Taylor & Stuppy in Succ. Pl. Res. 6: 112. 2002.** Sec. Taylor & Zappi (2004)

≡ *Opuntia palmadora* Britton & Rose, Cactaceae 1: 202, f. 250-251. 1919 syn. sec. Taylor & Zappi (2004)

= *Opuntia catingicola* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 223. 1934 syn. sec. Hunt (2016) ≡ *Opuntia palmadora* subsp. *catingicola* (Werderm.) P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 133. 1995 syn. sec. Hunt (2016)

***Tacinga* ×*quipa* (F.A.C.Weber) N.P.Taylor & Stuppy in Succ. Pl. Res. 6: 120. 2002.** Sec. Taylor & Zappi (2004)

≡ *Opuntia* ×*quipa* F.A.C.Weber, Dict. Hort.: 894. 1898 syn. sec. Korotkova (2021)

***Tacinga saxatilis* (F.Ritter) N.P.Taylor & Stuppy in Stud. Opunt.: 115. 2002.** Sec. Taylor & Zappi (2004)

≡ *Platyopuntia saxatilis* F.Ritter, Kakteen Südamerika 1: 32. 1979 syn. sec. Taylor & Zappi (2004) ≡ *Opuntia saxatilis* (F.Ritter) P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 63(2): 82. 1991 syn. sec. Taylor & Zappi (2004)

= *Opuntia saxatilis* var. *occibahiensis* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 63: 311. 1991 syn. sec. Kew WCVP

(2019) ≡ *Opuntia saxatilis* subsp. *occibahiensis* (P.J.Braun & Esteves) P.J.Braun & Esteves in Schumannia 3: 188. 2002

["2001"] syn. sec. Kew WCVP (2019) ≡ *Tacinga saxatilis* subsp. *occibahiensis* (P.J.Braun & Esteves) P.J.Braun & Esteves in Kakteen And. Sukk. 69: 106. 2018 syn. sec. Kew WCVP (2019)

= *Opuntia saxatilis* var. *pomosa* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 63: 124. 1991 syn. sec. Kew WCVP (2019)

≡ *Opuntia saxatilis* subsp. *pomosa* (P.J.Braun & Esteves) P.J.Braun & Esteves in Schumannia 3: 188. 2002 ["2001"] syn. sec.

Kew WCVP (2019) ≡ *Tacinga saxatilis* subsp. *pomosa* (P.J.Braun & Esteves) P.J.Braun & Esteves in Kakteen And. Sukk. 69: 106. 2018 syn. sec. Kew WCVP (2019)

= *Opuntia saxatilis* var. *minutispina* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 67: 108. 1995 syn. sec. Kew WCVP

(2019) ≡ *Opuntia saxatilis* subsp. *minutispina* (P.J.Braun & Esteves) P.J.Braun & Esteves in Schumannia 3: 188. 2002

["2001"] syn. sec. Kew WCVP (2019) ≡ *Tacinga saxatilis* subsp. *minutispina* (P.J.Braun & Esteves) P.J.Braun & Esteves in Kakteen And. Sukk. 69: 106. 2018 syn. sec. Kew WCVP (2019)

***Tacinga saxatilis* subsp. *estesvii* (P.J.Braun) N.P.Taylor & Stuppy in Stud. Opunt.: 118. 2002.** Sec. Taylor & Zappi (2004)

≡ *Opuntia estesvii* P.J.Braun in Cact. Succ. J. (Los Angeles) 62(4): 165. 1990 ≡ *Tacinga estesvii* (P.J.Braun) P.J.Braun in

Kakteen And. Sukk. 66: 200. 2015

***Tacinga saxatilis* subsp. *saxatilis*.** Sec. Taylor & Zappi (2004)

***Tacinga subcylindrica* M.Machado & N.P.Taylor in Bradleya 29: 23. 2011.** Sec. Menezes & al. (2011)

≡ *Tacinga inamoena* subsp. *subcylindrica* M.Machado & N.P.Taylor in Bradleya 21: 13-16, figs. 1-6. 2003 syn. sec. Menezes & al. (2011)

***Tacinga wernerii* (Eggl) N.P.Taylor & Stuppy in Stud. Opunt.: 111. 2002.** Sec. Taylor & Zappi (2004)

≡ *Opuntia wernerii* Eggl in Bradleya 10: 90. 1992 syn. sec. Taylor & Zappi (2004)

***Tephrocactus* Lem., Cactées: 88. 1868. Sec. Las Peñas & al. (2019)**

Type: *Tephrocactus diadematus* (Lem.) Lem.

= *Ursopuntia* P.V.Heath in *Calyx* 6(2): 41. 1999 syn. sec. Hernández-Ledesma & al. (2015)

= *Banfiopuntia* Guiggi in *Cactology* 2 (Suppl.): 1. 2011

= *Quasitephrocactus* G.Popov, *Kakt. Klub* 15(1-2): 13. 2012 syn. sec. Hernández-Ledesma & al. (2015)

= *Pseudomaihueniopsis* Guiggi in *Cactology* 3 (Suppl. V): 1. 2013 syn. sec. Kew WCVP (2019)

– *Webertiopuntia* Frič ex Kreuz., *Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 41. 1935, nom. inval. syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** *Tephrocactus* was confirmed as monophyletic by Ritz & al. (2012), and recently revised based on a phylogenetic study (Las Peñas & al. 2019). It is strongly supported within tribe *Tephrocacteae* (Köhler & al. 2020). [Köhler (2021)] **Key literature:** Monographs by Kiesling (1984) and Gilmer & Thomas (1998).

***Tephrocactus alexanderi* (Britton & Rose) Backeb. in *Cactus (Paris)* 38: 250. 1953. Sec. Las Peñas & al. (2019)**

≡ *Opuntia alexanderi* Britton & Rose, *Cactaceae* 4: 256. 1923 syn. sec. Backeberg (1953)

= *Opuntia bruchii* Speg. in *Physis* (Buenos Aires) 8: 239. 1925 syn. sec. Hunt (2016) ≡ *Tephrocactus bruchii* Speg. in *Revista*

Argent. Bot. 1: 202. 1926 ≡ *Tephrocactus bruchii* (Speg.) Backeb. in *Cactaceae* (Berlin) 1939(2): 18. 1939 ≡ *Tephrocactus alexanderi* var. *bruchii* (Speg.) Backeb. in *Cactus (Paris)* 38: 250. 1953 ≡ *Opuntia alexanderi* var. *bruchii* (Speg.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958

= *Opuntia bruchii* f. *brachyacantha* Speg. in *Revista Argent. Bot.* 1: 202. 1926 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus bruchii* f. *brachyacanthus* Speg. in *Revista Argent. Bot.* 1: 202. 1926 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus alexanderi* subvar. *brachyacanthus* (Speg.) Backeb., *Cactaceae* 1: 294. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia bruchii* f. *macracantha* Speg. in *Revista Argent. Bot.* 1: 202. 1926 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus alexanderi* subvar. *macracanthus* (Speg.) Backeb., *Cactaceae* 1: 293. 1958 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus bruchii* subvar. *macracantha* (Speg.) Backeb., *Cactaceae* 1: 293. 1958 syn. sec. Kew WCVP (2019)

= *Opuntia riojana* Hosseus ex Backeb. & F.M.Knuth, *Kaktus-ABC*: 113, 429. 1936 ["1935"] syn. sec. IPNI ≡ *Tephrocactus riojanus* (Hosseus) Backeb., *Kaktus-ABC*: 113. 1936 ["1935"] syn. sec. Kew WCVP (2019)

= *Tephrocactus flexuosus* Backeb., *Kaktus-ABC*: 109, 410. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia flexuosa* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Hunt (2016)

= *Tephrocactus subsphaericus* Backeb., *Kaktus-ABC*: 410. 1936 ["1935"] syn. sec. Kew WCVP (2019) ≡ *Tephrocactus alexanderi* var. *subsphaericus* (Backeb.) Backeb. in *Cactus (Paris)* 38: 250. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia alexanderi* var. *subsphaerica* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)

= *Tephrocactus microsphaericus* Backeb., *Kakteenlex.*: 426. 1966 syn. sec. Las Peñas & al. (2019)

***Tephrocactus aoracanthus* Lem., Cactées: 89. 1868. Sec. Las Peñas & al. (2019)**

≡ *Opuntia aoracantha* Lem., *Cact. Aliq. Nov. Desc.*: 34. 1838 syn. sec. Hunt (2006)

= *Cactus ovatus* Gillies ex Loudon, *Hort. Brit.*: 195. 1830 syn. sec. Tropicos ≡ *Cereus ovatus* (Gillies ex Loudon) G.Don, *Hort. Brit.*: 195. 1830 syn. sec. Zuloaga & al. (2008)

= *Cereus ovatus* Pfeiff., *Enum. Diagn. Cact.*: 102. 1837 syn. sec. Britton & Rose (1919) ≡ *Opuntia ovata* Hort. Angl. ex Pfeiff., *Enum. Diagn. Cact.*: 102. 1837, nom. illeg. syn. sec. Pfeiffer (1837)

= *Opuntia acracantha* Walp., *Repert. Bot. Syst.* 2: 354. 1843 syn. sec. Britton & Rose (1919)

= *Opuntia tuberiformis* Phil. in *Anales Mus. Nac., Santiago de Chile* 1: 28. 1891 syn. sec. Kew WCVP (2019)

= *Opuntia formidabilis* Walton in *Cact. J. (London)* 1: 105. 1898 syn. sec. Kew WCVP (2019)

= *Tephrocactus hossei* Krainz & Gräser in *Sukkulentenkunde* 4: 29. 1951 syn. sec. Kew WCVP (2019) ≡ *Opuntia hossei* (Krainz & Gräser) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 5. 1958 syn. sec. Kew WCVP (2019)

***Tephrocactus articulatus* (Pfeiff.) Backeb. in *Cactus (Paris)* 38: 249. 1953. Sec. Hunt (2016)**

≡ *Cereus articulatus* Pfeiff., *Enum. Diagn. Cact.*: 103. 1837 ≡ *Opuntia articulata* (Pfeiff.) D.R.Hunt in *Bradleya* 5: 93. 1987

= *Cereus syringacanthus* Pfeiff., *Enum. Diagn. Cact.*: 103. 1837 syn. sec. Hunt (2016) ≡ *Opuntia syringacantha* Pfeiff. ex C.F.Först., *Handb. Cacteenk.*: 470. 1846 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus articulatus* var. *syringacanthus* (Pfeiff.) Backeb. in *Cactus (Paris)* 38: 249. 1953 ≡ *Tephrocactus articulatus* f. *syringacanthus* (Pfeiff.) F.Ritter, *Kakteen Südamerika* 2: 392. 1980 – *Cereus syringacanthus* Pfeiff., *Enum. Diagn. Cact.*: 103. 1837 syn. sec. Kew WCVP (2019) [is misspelling for *Cereus syringacanthus* Pfeiff.]

= *Opuntia polymorpha* Pfeiff., *Enum. Diagn. Cact.*: 103. 1837 syn. sec. Kew WCVP (2019)

= *Opuntia diademata* Lem., *Cact. Aliq. Nov.*: 36. 1838 syn. sec. Britton & Rose (1919) ≡ *Tephrocactus diadematus* (Lem.) Lem., *Cactées*: 88. 1868 syn. sec. Hunt (2006) ≡ *Tephrocactus articulatus* var. *diadematus* (Lem.) Backeb. in *Cactus (Paris)* 38: 249. 1953 – *Tephrocactus diademata* (Lem.) Lem., *Cactées*: 88. 1868 syn. sec. TPL (2013) [is orthographic variant for *Tephrocactus diadematus* (Lem.) Lem.]

= *Opuntia turpinii* Lem., *Cact. Aliq. Nov.*: 36. 1838 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus turpinii* (Lem.) Lem., *Cactées*: 88. 1868 syn. sec. Kew WCVP (2019)

= *Opuntia andicola* var. *fulvispina* Lem., *Cact. Gen. Sp. Nov.*: 72. 1839 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus glomeratus* var. *fulvispinus* (Lem.) Backeb., *Cactaceae* 1: 283. 1958 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus neoglomeratus* var. *fulvispinus* (Lem.) Y.Itô, *Cactaceae*: 74. 1981 syn. sec. Kew WCVP (2019)

- = *Opuntia calva* Lem., Cact. Gen. Sp. Nov.: 73. 1839 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus calvus* (Lem.) Lem., Cactées: 88. 1868 syn. sec. Kew WCVP (2019) ≡ *Opuntia diademata* var. *calva* (Lem.) F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 692. 1898 ≡ *Opuntia diademata* f. *calva* (Lem.) Schelle, Handb. Kakteenkult.: 45. 1907 ≡ *Tephrocactus diadematus* var. *calvus* (Lem.) Backeb., Kaktus-ABC: 107. 1936 ["1935"] ≡ *Tephrocactus articulatus* var. *calvus* (Lem.) Backeb. in Cactus (Paris) 38: 249. 1953 ≡ *Opuntia glomerata* var. *calva* (Lem.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958
- = *Cereus polymorphus* C.F.Först., Handb. Cacteenk.: 472. 1846 syn. sec. Kew WCVP (2019)
- = *Opuntia turpinii* var. *polymorpha* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 71. 1850 syn. sec. Kew WCVP (2019)
- = *Opuntia papyracantha* Phil. in Gartenflora 21: 129. 1872 syn. sec. Kew WCVP (2019) ≡ *Opuntia glomerata* f. *papyracantha* (Phil.) Castell. in Lilloa 23: 12. 1950 ≡ *Tephrocactus articulatus* var. *papyracanthus* (Phil.) Backeb. in Cactus (Paris) 38: 249. 1953 ≡ *Tephrocactus articulatus* f. *papyracanthus* (Phil.) Guiggi & Verloove in Bradleya 35: 74. 2017
- = *Opuntia diademata* var. *inermis* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 511. 1905 ≡ *Tephrocactus inermis* (Speg.) Backeb. in Cactaceae (Berlin) 1939(2): 15. 1939 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus articulatus* var. *inermis* (Speg.) Backeb. in Cactus (Paris) 38: 249. 1953 syn. sec. Hunt (2016) ≡ *Opuntia glomerata* var. *inermis* (Speg.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958
- = *Opuntia diademata* var. *polyacantha* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 511. 1905 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus articulatus* var. *polyacanthus* (Speg.) Backeb. in Cactus (Paris) 38: 249. 1953 syn. sec. Kew WCVP (2019) ≡ *Opuntia glomerata* var. *polyacantha* (Speg.) G.D.Rowley in Natl. Cact. Succ. J. 13: 5. 1958 syn. sec. Kew WCVP (2019)
- = *Tephrocactus glomeratus* var. *inermis* Speg. in Revista Argent. Bot. 1: 200. 1926 syn. sec. Kew WCVP (2019)
- = *Opuntia strobiliformis* A.Berger, Kakteen: 53. 1929 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus strobiliformis* (A.Berger) Backeb., Kaktus-ABC: 106. 1936 ["1935"] syn. sec. Kew WCVP (2019)
- Tephrocactus articulatus* var. *articulatus*.** Sec. Las Peñas & al. (2019)
- Tephrocactus articulatus* var. *oligocanthus* (Speg.) Backeb.** Sec. Las Peñas & al. (2019)
- Tephrocactus articulatus* var. *strobiliformis* Backeb.** Sec. Las Peñas & al. (2019)
- Tephrocactus bonnieae* (D.J.Ferguson & R.Kiesling) Stuppy in Kew Bull. 56(4): 1005. 2001.** Sec. Las Peñas & al. (2019)
- ≡ *Puna bonnieae* D.J.Ferguson & R.Kiesling in Cact. Succ. J. (Los Angeles) 69: 290. 1997 syn. sec. Stuppy (2001) ≡ *Maihueniopsis bonnieae* (D.J.Ferguson & R.Kiesling) E.F.Anderson in Cact. Succ. J. (Los Angeles) 71(6): 325. 1999 syn. sec. Stuppy (2001) ≡ *Opuntia bonnieae* (D.J.Ferguson & R.Kiesling) Halda & Janeba in Cactaceae etc. 9(4): 160. 1999 syn. sec. Stuppy (2001)
- Tephrocactus geometricus* (A.Cast.) Backeb., Kaktus-ABC: 111. 1936 ["1935"].** Sec. Las Peñas & al. (2019)
- ≡ *Opuntia geometrica* A.Cast. in Kakteenkunde 1934: 172. 1934 ≡ *Tephrocactus alexanderi* subsp. *geometricus* (A.Cast.) Guiggi in Cactology 5 (Suppl. III): 2. 2016
- Tephrocactus halophilus* (Speg.) Backeb., Kaktus-ABC: 111. 1936 ["1935"].** Sec. Las Peñas & al. (2019)
- ≡ *Opuntia halophila* Speg. in Anales Soc. Ci. Argent. 99: 97, fig. 1925 syn. sec. Hunt (2006)
- Tephrocactus molinensis* (Speg.) Backeb. in Cactus (Paris) 38: 249. 1953.** Sec. Las Peñas & al. (2019)
- ≡ *Opuntia molinensis* Speg. in Anales Soc. Ci. Argent. 96: 63. 1923 ≡ *Maihueniopsis molinensis* (Speg.) F.Ritter, Kakteen Südamerika 2: 390. 1980
- = *Opuntia denudata* F.A.C.Weber, Dict. Hort.: 897. 1898 syn. sec. Kew WCVP (2019) ≡ *Tephrocactus molinensis* var. *denudatus* (F.A.C.Weber) Backeb. in Cactus (Paris) 38: 249. 1953
- = *Opuntia schumannii* Speg. in Anales Mus. Nac. Buenos Aires, ser. 3, 4: 511. 1905 syn. sec. Hunt (2016)
- Tephrocactus nigrispinus* (K.Schum.) Backeb., Kaktus-ABC: 109. 1936 ["1935"].** Sec. Las Peñas & al. (2019)
- ≡ *Opuntia nigrispina* K.Schum., Gesamtbeschr. Kakt.: 695. 1898 ≡ *Platyopuntia nigrispina* (K.Schum.) F.Ritter, Kakteen Südamerika 2: 413. 1980 ≡ *Maihueniopsis nigrispina* (K.Schum.) R.Kiesling in Darwiniana 25(1–4): 209. 1984 ≡ *Pseudomaihueniopsis nigrispina* (K.Schum.) Guiggi in Cactology 3 (Suppl. V): 1. 2013
- = *Opuntia purpurea* R.E.Fr. in Nova Acta Regiae Soc. Sci. Upsal. ser. 4, 1(1): 123. 1905 syn. sec. Hunt (2016)
- = *Tephrocactus hegenbartianus* Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Kew WCVP (2019)
- Tephrocactus nigrispinus* subsp. *atroglobosus* (Backeb. ex Guiggi & Pat.Palacios) M.Lowry in Cactaceae Syst. Init. 27: 23. 2012.** Sec. Hunt (2016)
- ≡ *Maihueniopsis nigrispina* subsp. *atroglobosa* Backeb. ex Guiggi & Pat.Palacios in Kakteen And. Sukk. 61(12): 330-331. 2010 ≡ *Tephrocactus atroglobosus* Backeb. in Cactus (Paris) 73-74: 5. 1962 ≡ *Platyopuntia atroglobosa* Backeb. ex F.Ritter, Kakteen Südamerika 2: 502. 1980 ≡ *Opuntia atroglobosa* (Backeb. ex F.Ritter) R.Crook & Mottram in Bradleya 13: 106. 1995 ≡ *Pseudomaihueniopsis nigrispina* subsp. *atroglobosa* (F.Ritter) Guiggi in Cactology 3 (Suppl. V): 1. 2013
- Tephrocactus nigrispinus* subsp. *nigrispinus*.** Sec. Hunt (2016)
- Tephrocactus paediophilus* (A.Cast.) F.Ritter, Kakteen Südamerika 2: 395. 1980.** Sec. Las Peñas & al. (2019)
- ≡ *Opuntia paediophila* A.Cast. in Lilloa 23: 7, f. 2. 1950 ≡ *Tephrocactus aoracanthus* var. *paediophilus* (A.Cast.) J.G.Lamb., Cact. Argentine, ed. 2: 297. 1998 ["1997"]
- Tephrocactus recurvatus* (Gilmer & H.P.Thomas) D.R.Hunt & Ritz in Cactaceae Syst. Init. 25: 27. 2011.** Sec. Las Peñas & al. (2019)
- ≡ *Cumulopuntia recurvata* Gilmer & H.P.Thomas in Kakteen And. Sukk. 52(4): 91. 2001 syn. sec. Hunt & Ritz (2011) ≡ *Maihueniopsis recurvata* (Gilmer & H.P.Thomas) R.Kiesling, Fl. San Juan 2: 175. 2003 syn. sec. Hunt (2016)

***Tephrocactus verschaffeltii* (Cels ex F.A.C.Weber) D.R.Hunt & Ritz in *Cactaceae Syst. Init.* 25: 27. 2011.** Sec. Las Peñas & al. (2019)

- ≡ *Opuntia verschaffeltii* Cels ex F.A.C.Weber in Bois, Dict. Hort.: 898. 1898 ≡ *Cylindropuntia verschaffeltii* (Cels ex F.A.C.Weber) Backeb., *Kaktus-ABC*: 119. 1936 ["1935"] ≡ *Austrocylindropuntia verschaffeltii* (Cels ex F.A.C.Weber) Backeb. in *Cactaceae* (Berlin) 1939(2): 10. 1939 ≡ *Banfiopuntia verschaffeltii* (Cels ex F.A.C.Weber) Guiggi in *Cactology* 2 (Suppl.): 1. 2011
- = *Opuntia digitalis* F.A.C.Weber, Dict. Hort. 2: 898. 1898 syn. sec. Kew WCV (2019)
- = *Opuntia hypsophila* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 509. 1905 syn. sec. Kew WCV (2019) ≡ *Cylindropuntia hypsophila* (Speg.) Backeb., *Kaktus-ABC*: 119. 1936 ["1935"] syn. sec. Kew WCV (2019) ≡ *Austrocylindropuntia hypsophila* (Speg.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 13. 1951 syn. sec. Kew WCV (2019) ≡ *Austrocylindropuntia verschaffeltii* var. *hypsophila* (Speg.) Backeb., *Cactaceae* 1: 149. 1958 syn. sec. Kew WCV (2019) ≡ *Opuntia verschaffeltii* var. *hypsophila* (Speg.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 25. 1958 syn. sec. Kew WCV (2019)
- = *Cylindropuntia haematacantha* Backeb., *Kaktus-ABC*: 118. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Opuntia haematacantha* (Backeb.) Borg, *Cacti*, ed. 1: 89. 1937 syn. sec. Hunt (2016) ≡ *Austrocylindropuntia haematacantha* (Backeb.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 13. 1951 syn. sec. Hunt (2016)
- = *Opuntia verschaffeltii* var. *floribunda* Borg, *Cacti*, ed. 1: 62. 1937 syn. sec. Las Peñas & al. (2019)
- = *Opuntia posnanskyana* Cárdenas in *Lilloa* 23: 25, f. 4. 1950 syn. sec. Hunt (2016)
- = *Austrocylindropuntia verschaffeltii* var. *longispina* Backeb., *Descr. Cact. Nov.* 1: 6. 1957 ["1956"] syn. sec. Kew WCV (2019) ≡ *Opuntia verschaffeltii* var. *longispina* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 4. 1958 syn. sec. IPNI ≡ *Cylindropuntia verschaffeltii* f. *longispina* (Backeb.) Krainz, *Kakteen* 13: B. 1960 syn. sec. Kew WCV (2019)
- = *Austrocylindropuntia inarmata* Backeb. in *Cactus* (Paris) 73-74: 5. 1962 syn. sec. Hunt (2016)

***Tephrocactus weberi* (Speg.) Backeb., *Kaktus-ABC*: 106. 1936 ["1935"].** Sec. Hunt (2016)

- ≡ *Opuntia weberi* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 509. 1905
- = *Opuntia weberi* var. *dispar* A.Cast. & H.V.Lelong in *Jahrb. Deutsch. Kakteen-Ges.* 1935-1936: 51. 1936 syn. sec. Kew WCV (2019) ≡ *Ursopuntia textoris* var. *dispar* (A.Cast. & H.V.Lelong) P.V.Heath in *Calyx* 6: 42. 1999 syn. sec. Kew WCV (2019) ≡ *Tephrocactus setiger* f. *dispar* (A.Cast. & H.V.Lelong) G.Popov in *Kaktus Klub* 15: 13. 2011 syn. sec. Kew WCV (2019)
- = *Tephrocactus setiger* Backeb., *Kaktus-ABC*: 106. 1936 ["1935"] syn. sec. Kew WCV (2019) ≡ *Opuntia setigera* (Backeb.) W.T.Marshall in *Cact. Succ. J. (Los Angeles)* 17: 114. 1945 syn. sec. Kew WCV (2019) ≡ *Opuntia weberi* var. *setigera* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 25. 1958 syn. sec. Kew WCV (2019) ≡ *Tephrocactus weberi* var. *setiger* (Backeb.) Backeb., *Cactaceae* 1: 252. 1958 syn. sec. Kew WCV (2019) ≡ *Ursopuntia textoris* var. *setiger* (Backeb.) P.V.Heath in *Calyx* 6: 42. 1999 syn. sec. Kew WCV (2019)
- = ?*Ursopuntia textoris* P.V.Heath in *Calyx* 6: 41. 1999

***Tephrocactus weberi* var. *deminutus* Rausch in *Succulenta (Netherlands)* 65(12): 251. 1986.** Sec. Las Peñas & al. (2019)

- ≡ *Ursopuntia textoris* var. *deminuta* (Rausch) P.V.Heath in *Calyx* 6: 42. 1999 ≡ *Tephrocactus setiger* subsp. *deminutus* (Rausch) G.Popov in *Kaktus Klub* 15: 13. 2011

***Tephrocactus weberi* var. *weberi*.** Sec. Las Peñas & al. (2019)

***Thelocactus* (K.Schum.) Britton & Rose in *Bull. Torrey Bot. Club* 49: 251. 1922.** Sec. Hunt (2016)

Type: *Thelocactus hexaedrophorus* (Lem.) Britton & Rose

- ≡ *Echinocactus* subg. *Thelocactus* K.Schum., *Gesamteschr. Kakt.*: 429. 1898 syn. sec. Hernández-Ledesma & al. (2015)
- = *Hamatocactus* Britton & Rose, *Cactaceae* 3: 104. 1922 syn. sec. POWO. Plants of the World Online. Facilitated by the Royal Botanic Gardens, Kew. Type: *Hamatocactus setispinus* (Engelm.) Britton & Rose
- = *Napina* Frič, *Cacti Price-List* 1928: 6. 1928 syn. sec. Kew WCV (2019)
- = *Thelomastus* Frič ex Kreuz., *Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 10. 1935 syn. sec. Kew WCV (2019)
- = *Torreycactus* Doweld in *Sukkulenty* 1: 19. 1998 syn. sec. Hunt (2006). Type: *Torreycactus conothele* (Regel & Klein bis) Doweld

Notes. – See under *Ferocactus*. [Hernández-Ledesma & al. (2015)]

***Thelocactus bicolor* (Galeotti ex Pfeiff.) Britton & Rose in *Bull. Torrey Bot. Club* 49: 251. 1922.** Sec. Parfitt & Gibson (2003)

- ≡ *Echinocactus bicolor* Galeotti ex Pfeiff., *Abbild. Beschr. Cact.* 2: t. 25. 1848 ≡ *Ferocactus bicolor* (Galeotti ex Pfeiff.) N.P.Taylor in *Cact. Succ. J. Gr. Brit.* 41: 30. 1979
- = *Echinocactus rhodophthalmus* Hook. in *Bot. Mag.* 76: t. 4486. 1850 syn. sec. Britton & Rose (1923)
- = *Echinocactus rhodophthalmus* var. *ellipticus* Hook. in *Bot. Mag.* 78: t. 4634. 1852 syn. sec. Britton & Rose (1923)
- = *Echinocactus ellipticus* Lem. in *Jard. Fleur.* 3: 270. 1853 syn. sec. Britton & Rose (1923)
- = *Echinocactus bicolor* var. *schottii* Engelm. in *Proc. Amer. Acad. Arts* 3: 277. 1856 syn. sec. Kew WCV (2019)
- = *Echinocactus bicolor* var. *montemorelanus* F.A.C.Weber, Dict. Hort. 1: 465. 1896 syn. sec. Kew WCV (2019)
- = *Echinocactus bicolor* var. *tricolor* K.Schum., *Gesamteschr. Kakt.*: 303. 1898 syn. sec. Britton & Rose (1923) ≡ *Echinocactus tricolor* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 145. 1907 syn. sec. Kew WCV (2019) ≡ *Echinocactus bicolor* f. *tricolor* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 145. 1907 syn. sec. Tropicos ≡ *Thelocactus bicolor* var. *tricolor* (K.Schum.) F.M.Knuth, *Kaktus-ABC*: 358. 1936 ["1935"]
- = *Echinocactus schottii* Small, *Fl. S.E. U.S.*: 814. 1903 syn. sec. Britton & Rose (1923) ≡ *Thelocactus bicolor* var. *schottii* (Engelm.) Krainz, *Kakteen* 18: C VIIIb. 1961 syn. sec. Parfitt & Gibson (2003) ≡ *Thelocactus schottii* (Engelm.) Kladiwa & Fittkau in *Krainz, Kakteen* 61: C VIIIb. 1975 syn. sec. Kew WCV (2019)

- = *Echinocactus wagnerianus* A.Berger, Kakteen: 256. 1929 syn. sec. Kew WCVP (2019) ≡ *Thelocactus wagnerianus* A.Berger, Kakteen: 256. 1929 syn. sec. Korotkova (2021) ≡ *Thelocactus bicolor* var. *wagnerianus* (A.Berger) Krainz, Kakteen 18: C VIIIb. 1961 syn. sec. Hernández & Gómez-Hinostrosa (2011)
- = *Thelocactus bicolor* var. *texensis* Backeb., Cactaceae 6: 3872. 1962 syn. sec. Kew WCVP (2019)
- = *Thelocactus bicolor* var. *commodus* R.Haas in Kakteen And. Sukk. 39: 87. 1988 syn. sec. Kew WCVP (2019) ≡ *Thelocactus bicolor* subsp. *commodus* (R.Haas) Doweld in Sukkulenty 2(1): 30. 1999 syn. sec. Kew WCVP (2019)
- = *Thelocactus bicolor* subsp. *zwakii* Chvastek & Halda in Acta Mus. Richnov., Sect. Nat., 7: 38. 2000 syn. sec. Kew WCVP (2019)
- = *Thelocactus bicolor* subsp. *swoboda* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 9: 73. 2002 syn. sec. Kew WCVP (2019)
- *Echinocactus bicolor* var. *typicus* Gürke in Blüh. Kakteen 6: t. 74. 1905, nom. inval. syn. sec. Kew WCVP (2019)
- Thelocactus bicolor* subsp. *bicolor*. Sec. Parfitt & Gibson (2003)**
- Thelocactus bicolor* subsp. *bolaensis* (Runge) Doweld in Sukkulenty 1(2): 30. 1999. Sec. Hunt (2016)**
- ≡ *Echinocereus bolansis* Runge in Monatsschr. Kakteenk. 5: 123. 1895 ≡ *Echinocactus bolaensis* Runge in Gartenflora 38: 5. 1889 ≡ *Echinocactus bicolor* var. *bolaensis* (Runge) K.Schum., Gesamtbeschr. Kakt.: 303. 1898 ≡ *Echinocactus bicolor* f. *bolaensis* (Runge) Schelle, Handb. Kakteenkult.: 145. 1907 ≡ *Thelocactus bicolor* var. *bolaensis* (Runge) A.Berger, Kakteen: 256. 1929 ≡ *Ferocactus bicolor* var. *bolaensis* (Runge) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 30. 1979
- Thelocactus bicolor* subsp. *flavidispinus* (Backeb.) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998. Sec. Hunt (2016)**
- ≡ *Thelocactus bicolor* var. *flavidispinus* Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1: 6. 1941 ≡ *Thelocactus flavidispinus* (Backeb.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 150. 1951 ≡ *Ferocactus bicolor* var. *flavidispinus* (Backeb.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 30. 1979
- Thelocactus bicolor* subsp. *heterochromus* (F.A.C.Weber) Mosco & Zanov. in Bradleya 18: 62. 2000. Sec. Hunt (2016)**
- ≡ *Echinocactus heterochromus* F.A.C.Weber in Bois, Dict. Hort.: 468. 1895 syn. sec. Hunt (2006) ≡ *Thelocactus heterochromus* (F.A.C.Weber) Oosten in Kakteenkunde 1940: 59. 1940 syn. sec. Hunt (2016) ≡ *Ferocactus heterochromus* (F.A.C.Weber) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Korotkova (2021)
- Thelocactus bicolor* subsp. *schwarzii* (Backeb.) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998. Sec. Hunt (2016)**
- ≡ *Thelocactus schwarzii* Backeb. in Cact. Succ. J. Gr. Brit. 12: 81. 1950 ≡ *Ferocactus bicolor* var. *schwarzii* (Backeb.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 30. 1979 ≡ *Thelocactus bicolor* var. *schwarzii* (Backeb.) E.F.Anderson in Bradleya 5: 61. 1987
- Thelocactus buekii* (Klein bis) Britton & Rose, Cactaceae 4: 8. 1923. Sec. Hunt (2016)**
- ≡ *Echinocactus buekii* Klein bis in Gartenflora 8: 257. 1859 ≡ *Thelocactus tulensis* var. *buekii* (Klein bis) E.F.Anderson in Bradleya 5: 65. 1987 ≡ *Thelocactus tulensis* subsp. *buekii* (Klein bis) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998
- = *Thelocactus matudae* Sánchez-Mej. & A.B.Lau in Cact. Suc. Mex. 23(3): 51. 1978 syn. sec. Hunt (2016) ≡ *Thelocactus tulensis* subsp. *matudae* (Sánchez-Mej. & A.B.Lau) E.F.Anderson in Bradleya 5: 66. 1987 ≡ *Thelocactus tulensis* var. *matudae* (Sánchez-Mej. & A.B.Lau) E.F.Anderson in Bradleya 5: 66. 1987 ≡ *Thelocactus nidulans* subsp. *matudae* (Sánchez-Mej. & A.B.Lau) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998 ≡ *Thelocactus buekii* subsp. *matudae* (Sánchez-Mej. & A.B.Lau) Mosco & Zanov. in Bradleya 18: 62. 2000
- Thelocactus conothelos* (Regel & Klein bis) F.M.Knuth in Backeberg & Knuth, Kaktus-ABC: 358. 1936 ["1935"]. Sec. Hunt (2016)**
- ≡ *Echinocactus conothelos* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 48. 1860 syn. sec. Hunt (2006) ≡ *Gymnocactus conothelos* (Regel & Klein bis) Backeb., Cactaceae 5: 2859. 1961 ≡ *Torreycactus conothele* (Regel & Klein bis) Doweld in Sukkulenty 1(1): 19. 1998 ≡ *Torreycactus conothelos* (Regel & Klein bis) Doweld in Sukkulenty 1(1): 19. 1998
- = *Echinocactus smithii* Muehlenpf. in Allg. Gartenzeitung 14: 370. 1846 syn. sec. Kew WCVP (2019) ≡ *Thelocactus smithii* (Muehlenpf.) Borg, Cacti, ed. 2: 346. 1951 syn. sec. Kew WCVP (2019) ≡ *Gymnocactus beguinii* var. *smithii* (Muehlenpf.) Backeb., Cactaceae 5: 2855. 1961 syn. sec. Tropicos ≡ *Neolloydia smithii* (Muehlenpf.) Kladiwa & Fittkau in Krainz, Kakteen 46–47: CVIII b. 1971 syn. sec. Tropicos ≡ *Pediocactus smithii* (Muehlenpf.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 19. 1998 syn. sec. Tropicos
- = *Echinocactus saussieri* F.A.C.Weber, Dict. Hort. 1: 468. 1896 syn. sec. Tropicos ≡ *Thelocactus saussieri* (F.A.C.Weber) A.Berger, Kakteen: 346. 1929 syn. sec. Tropicos ≡ *Gymnocactus saussieri* (F.A.C.Weber) Backeb. in Cact. Succ. J. (Los Angeles) 23: 151. 1951 syn. sec. Kew WCVP (2019)
- = *Thelocactus conothelos* var. *sniceri* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 38. 2000 syn. sec. Kew WCVP (2019)
- *Thelocactus saussieri* var. *longispinus* Y.Itô, Cactaceae: 527. 1981, nom. inval. syn. sec. Kew WCVP (2019)
- Thelocactus conothelos* subsp. *argenteus* (Glass & R.A.Foster) Glass, Guía Identific. Cact. Amenazadas México: Th/con. 1997 ["1998"]. Sec. Hunt (2016)**
- ≡ *Thelocactus conothelos* var. *argenteus* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 44(2): 48. 1972 ≡ *Torreycactus conothelos* var. *argenteus* (Glass & R.A.Foster) Doweld in Sukkulenty 1(1): 19. 1998 ≡ *Torreycactus conothelos* subsp. *argenteus* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Hunt (2016)

***Thelocactus conothelos* subsp. *aurantiacus* (Glass & R.A.Foster) Glass, Guía Identific. Cact. Amenazadas México: TH/CON. 1997 ["1998"].** Sec. Hunt (2016)

≡ *Thelocactus conothelos* var. *aurantiacus* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 44(2): 48. 1972 ≡ *Torreycactus conothelos* var. *aurantiacus* (Glass & R.A.Foster) Doweld in Sukkulenty 1(1): 19. 1998 syn. sec. Hunt (2016) ≡ *Torreycactus conothelos* subsp. *aurantiacus* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 36. 2000 ≡ *Thelocactus conothelos* var. *aurantiacus* Glass & R.A.Foster syn. sec. Korotkova (2021)

= *Thelocactus panarottoanus* Halda in Acta Mus. Richnov., Sect. Nat., 5(4): 161. 1998 syn. sec. Kew WCVP (2019)

= *Thelocactus flavus* Mosco & Zanov. in Cactus & Co. 2: 20. 1999 syn. sec. Hunt (2016) ≡ *Thelocactus conothelos* subsp. *flavus* (Mosco & Zanov.) Mosco & Zanov. in Bradleya 18: 63. 2000 syn. sec. Korotkova (2021)

Thelocactus conothelos* subsp. *conothelos*.** Sec. Hunt (2016)Thelocactus conothelos* subsp. *garciae* (Glass & Mend.-Garc.) Mosco & Zanov. in Bradleya 18: 63. 2000.** Sec. Hunt (2016)

≡ *Thelocactus garciae* Glass & Mend.-Garc. in Glass, Guía Identific. Cact. Amenazadas México: Th/ga. 1997 ["1998"] syn. sec. Hunt (2006) ≡ *Torreycactus conothelos* subsp. *garciae* (Glass & Mend.-Garc.) Doweld in Sukkulenty 3(1-2): 36. 2000 syn. sec. Hunt (2016)

***Thelocactus hastifer* (Werderm. & Boed.) F.M.Knuth, Kaktus-ABC: 360. 1936 ["1935"].** Sec. Hunt (2016)

≡ *Echinocactus hastifer* Werderm. & Boed. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 274. 1931 syn. sec. Hunt (2006) ≡

Ferocactus hastifer (Werderm. & Boed.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Hunt (2016)

***Thelocactus hexaedrophorus* (Lem.) Britton & Rose in Bull. Torrey Bot. Club 49: 251. 1922.** Sec. Hunt (2016)

≡ *Echinocactus hexaedrophorus* Lem., Cact. Gen. Sp. Nov.: 27–28. 1839 ≡ *Echinofossulocactus hexaedrophorus* (Lem.) Lawr. in Gard. Mag. (London) 17: 318. 1841

= *Echinocactus insculptus* Scheidw. in Bull. Acad. Roy. Sci. Bruxelles 6: 89. 1839 syn. sec. Kew WCVP (2019)

= *Echinocactus hexaedrophorus* var. *subcostatus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 34, 168. 1850 syn. sec. Kew WCVP (2019)

= *Echinocactus fossulatus* var. *quadrispinus* Regel, Index Seminum St. Petersburg (Petropolitanus) 1857: 48. 1858 syn. sec. Kew WCVP (2019)

= *Echinocactus hexaedrophorus* var. *labouretianus* K.Schum., Gesamtbeschr. Kakt.: 438. 1898 syn. sec. Kew WCVP (2019) ≡

Echinocactus hexaedrophorus f. *labouretianus* (K.Schum.) Schelle, Handb. Kakteenkult.: 199. 1907 syn. sec. Tropicos ≡

Thelocactus hexaedrophorus var. *labouretianus* (K.Schum.) Pilbeam, Cactus File Handb. 1: 30. 1996

= *Echinocactus hexaedrophorus* var. *decipiens* A.Berger, Kakteen: 253. 1929 syn. sec. Kew WCVP (2019) ≡ *Thelocactus*

hexaedrophorus var. *decipiens* (A.Berger) Pilbeam, Cactus File Handb. 1: 29. 1996

= *Thelocactus hexaedrophorus* subsp. *francii* Halda & Sladk. in Acta Mus. Richnov., Sect. Nat., 7: 38. 2000 syn. sec. Kew WCVP (2019)

= *Thelocactus hexaedrophorus* subsp. *jarmilae* Halda & Chvastek in Acta Mus. Richnov., Sect. Nat., 7: 38. 2000 syn. sec. Kew WCVP (2019)

= *Thelocactus hexaedrophorus* subsp. *kvetae* Chvastek & Halda in Acta Mus. Richnov., Sect. Nat., 7: 39. 2000 syn. sec. Kew WCVP (2019)

= *Echinocactus hexaedrophorus* var. *droegeanus* Schelle, Handb. Kakteenkult.: 199. 1907 syn. sec. Kew WCVP (2019) –

Thelocactus hexaedrophorus var. *droegeanus* (Schelle) Pilbeam, Cactus File Handb. 1: 29. 1996, nom. inval.

– *Thelocactus hexaedrophorus* var. *paradensis* Pilbeam, Cactus File Handb. 1: 31. 1996, nom. inval. syn. sec. Kew WCVP (2019)

***Thelocactus hexaedrophorus* subsp. *hexaedrophorus*.** Sec. Hunt (2016)

= *Echinocactus fossulatus* Scheidw. in Allg. Gartenzeitung 9: 49. 1841 syn. sec. Kew WCVP (2019) ≡ *Echinocactus*

hexaedrophorus var. *fossulatus* (Scheidw.) Salm-Dyck in Labouret, Monogr. Cact.: 251. 1853 syn. sec. Tropicos ≡

Echinocactus hexaedrophorus f. *fossulatus* (Scheidw.) Voss, Vilm. Blumengärtn., ed. 3, 1: 373. 1894 syn. sec. Tropicos ≡

Thelocactus fossulatus (Scheidw.) Britton & Rose, Cactaceae 4: 10, f. 9. 1923 syn. sec. Tropicos ≡ *Thelocactus*

hexaedrophorus var. *fossulatus* (Scheidw.) Backeb., Cactaceae 5: 2800. 1961

= *Echinocactus hexaedrophorus* var. *major* Quehl in Kakteenkunde 4: 29. 1894 syn. sec. Tropicos ≡ *Echinocactus*

hexaedrophorus f. *major* (Quehl) Schelle, Handb. Kakteenkult.: 199. 1907 syn. sec. Tropicos ≡ *Thelocactus hexaedrophorus*

var. *major* (Quehl) Y.Itô, Cacti, ed. 2: 94. 1952

= *Echinocactus drageanus* Moerder in Rev. Hort. 67: 186. 1895 syn. sec. Britton & Rose (1923)

= *Echinocactus droegeanus* Hildm. ex Schumann, Gesamtbeschr. Kakt.: 438. 1898 syn. sec. Britton & Rose (1923)

***Thelocactus hexaedrophorus* subsp. *lloydii* (Britton & Rose) Kladiwa & Fittkau in Krainz, Kakteen 61: CVIIIb. 1975.** Sec. Hunt (2016)

≡ *Thelocactus lloydii* Britton & Rose, Cactaceae 4: 11. 1923 ≡ *Thelocactus hexaedrophorus* var. *lloydii* (Britton & Rose)

Kladiwa & Fittkau in Krainz, Kakteen 61: CVIII b. 1975

Thelocactus lausseri* Řiha & Busek in Kakteen And. Sukk. 37(8): 164. 1986.** Sec. Hunt (2016)Thelocactus leucacanthus* (Zucc. ex Pfeiff.) Britton & Rose, Cactaceae 4: 8–9, f. 7. 1923.** Sec. Hunt (2016)

≡ *Echinocactus leucacanthus* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 66. 1837 syn. sec. Hunt (2006) ≡ *Ferocactus leucacanthus*

(Zucc. ex Pfeiff.) N.P.Taylor in Cact. Succ. J. Gr. Brit. 41: 90. 1979 syn. sec. Guzmán Cruz & al. (2003) ≡ *Thelocactus*

leucacanthus subsp. *leucacanthus* syn. sec. Hunt (2016)

- = *Cereus maelenii* Pfeiff., Allg. Gartenzeitung 5: 379. 1837 syn. sec. Britton & Rose (1923) ≡ *Mammillaria maelenii* Salm-Dyck, Cact. Hort. Dyck., ed. 1844: 14. 1845 syn. sec. Britton & Rose (1923) ≡ *Echinocactus maelenii* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 288. 1846 syn. sec. Kew WCVP (2019)
- = *Cereus tuberosus* Pfeiff., Enum. Diagn. Cact.: 102. 1837 syn. sec. Hunt (2016)
- = *Echinocactus ehrenbergii* Pfeiff. in Allg. Gartenzeitung 7: 275. 1838 syn. sec. Kew WCVP (2019) ≡ *Thelocactus ehrenbergii* (Pfeiff.) F.M.Knuth, Kaktus-ABC: 359. 1936 syn. sec. Hunt (2016) ≡ *Thelocactus leucacanthus* var. *ehrenbergii* (Pfeiff.) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Kew WCVP (2019)
- = *Echinocactus porrectus* Lem., Cact. Aliq. Nov.: 17. 1838 syn. sec. Tropicos ≡ *Thelocactus porrectus* (Lem.) F.M.Knuth, Kaktus-ABC: 361. 1936 ["1935"] syn. sec. Tropicos ≡ *Thelocactus leucacanthus* var. *porrectus* (Lem.) Backeb., Cactaceae 5: 2818. 1961 syn. sec. Tropicos
- = *Echinocactus subporrectus* Lem., Cact. Aliq. Nov.: 25. 1838 syn. sec. Kew WCVP (2019)
- = *Echinocactus leucacanthus* var. *tuberosus* C.F.Först., Handb. Cacteenk.: 287. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus tuberosus* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 287. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus tuberosus* var. *subporrectus* C.F.Först., Handb. Cacteenk.: 523. 1846 syn. sec. Kew WCVP (2019)
- = *Echinocactus leucacanthus* var. *crassior* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 35, 172. 1850 syn. sec. Hunt (2016)
- = *Echinocactus theloideus* Salm-Dyck in Allg. Gartenzeitung 18: 395. 1850 syn. sec. Britton & Rose (1923)
- = *Thelocactus sanchezmejoradae* J.Meyrán in Cact. Suc. Mex. 3(4): 78, f. 48. 1958 syn. sec. Kew WCVP (2019) ≡ *Thelocactus leucacanthus* var. *sanchezmejoradae* (J.Meyrán) Backeb., Cactaceae 5: 2817. 1961 syn. sec. Korotkova (2021)
- = *Thelocactus leucacanthus* var. *schmollii* Werderm. syn. sec. Kew WCVP (2019) ≡ *Thelocactus leucacanthus* subsp. *schmollii* (Werderm.) Mosco & Zanov. in Cactaceae Consensus Init. 7: 18. 1999 syn. sec. Kew WCVP (2019)
- Thelocactus macdowellii* (Rebut ex Quehl) W.T.Marshall in Cact. J. (London) 9: 28. 1947. Sec. Hunt (2016)**
- ≡ *Echinocactus macdowellii* Rebut ex Quehl in Monatschr. Kakteenk. 4: 133. 1894 syn. sec. IPNI ≡ *Echinomastus macdowellii* (Rebut ex Orcutt) Britton & Rose, Cactaceae 3: 151. 1922 syn. sec. Tropicos ≡ *Thelocactus macdowellii* (Rebut ex Quehl) Glass in Cact. Suc. Mex. 14: 4. 1969 syn. sec. Tropicos ≡ *Neolloydia macdowellii* (Rebut ex Quehl) H.E.Moore in Baileya 19: 166. 1975 ≡ *Neolloydia mcdowellii* (Rebut ex Quehl) H.E.Moore in Baileya 19: 166. 1975 syn. sec. Tropicos ≡ *Thelocactus conothelos* var. *macdowellii* (Rebut ex Quehl) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 220. 1977 syn. sec. Hernández & Gómez-Hinostrosa (2021)
- Thelocactus mirandus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 158. 2003**
- Thelocactus multicephalus* Halda & Panar. ex Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 40. 1998. Sec. Hunt (2016)**
- ≡ *Thelocactus rinconensis* subsp. *multicephalus* (Halda & Panar. ex Halda) Lüthy in Kakteen And. Sukk. 50(4): 80. 1999 syn. sec. Hunt (2006)
- Thelocactus rinconensis* (Poselg.) Britton & Rose, Cactaceae 4: 7, f. 4. 1923. Sec. Hunt (2016)**
- ≡ *Echinocactus rinconensis* Poselg. in Allg. Gartenzeitung 23: 18. 1855 ≡ *Echinocactus rinconensis* Poselg. ex C.F.Först., Handb. Cacteenk., ed. 2: 472. 1885 ≡ *Thelocactus lophothele* subsp. *rinconensis* (Poselg.) Matusz., Thelocactus: 170. 2011 ≡ *Thelocactus rinconensis* subsp. *rinconensis*
- = *Echinocactus lophothele* Salm-Dyck in Allg. Gartenzeitung 18: 395. 1850 syn. sec. Hunt (2016) ≡ *Thelocactus lophothele* (Salm-Dyck) Britton & Rose in Bull. Torrey Bot. Club 49: 251. 1922 syn. sec. Hunt (2016)
- = *Echinocactus phymatothele* Poselg. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 602. 1886 [as "*phymatothelos*"] syn. sec. Hunt (2016) ≡ *Thelocactus phymatothele* (Poselg.) Britton & Rose, Cactaceae 4: 8. 1923 syn. sec. Hunt (1999) ≡ *Thelocactus rinconensis* var. *phymatothele* (Poselg. ex Rümpler) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 246. 1977 syn. sec. Hunt (2016) ≡ *Thelocactus rinconensis* subsp. *phymatothelos* (Poselg. ex Rümpler) Glass, Guía Identific. Cact. Amenazadas México: TH/RIN. 1997 ["1998"] syn. sec. Hunt (2016) – *Echinocactus phymatothelos* Poselg. ex Rümpler, Handb. Cacteenk., ed. 2, 2(16): 602. 1886 [is orthographic variant for *Echinocactus phymatothele* Poselg. ex Rümpler]
- = *Echinocactus lophothele* var. *longispinus* Blume in Monatschr. Kakteenk. 15: 138. 1905 syn. sec. WFO 2019
- = *Echinocactus nidulans* Quehl in Monatschr. Kakteenk. 21: 119. 1911 syn. sec. Tropicos ≡ *Thelocactus nidulans* (Quehl) Britton & Rose, Cactaceae 4: 9, f. 8. 1923 syn. sec. Tropicos ≡ *Thelocactus lophothele* var. *nidulans* (Quehl) Kladiwa & Fittkau in Krainz, Kakteen 61: CVIIIb. 1975 syn. sec. Tropicos ≡ *Thelocactus rinconensis* var. *nidulans* (Quehl) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 245. 1977 syn. sec. Tropicos ≡ *Thelocactus rinconensis* subsp. *nidulans* (Quehl) Glass, Guía Identif. Cact. Amenazadas México 1: TH/RIN. 1997 syn. sec. Tropicos ≡ *Thelocactus lophothele* subsp. *nidulans* (Quehl) Matusz., Thelocactus: 180. 2011
- = *Thelocactus rinconensis* var. *freudenbergeri* R.Haas in Kakteen And. Sukk. 43(5): 97. 1992 syn. sec. Kew WCVP (2019) ≡ *Thelocactus rinconensis* subsp. *freudenbergeri* (R.Haas) Mosco & Zanov. in Cactaceae Consensus Init. 7: 18. 1999 syn. sec. Hunt (2016) ≡ *Thelocactus lophothele* subsp. *freudenbergeri* (R.Haas) Matusz., Thelocactus: 184. 2011 syn. sec. Kew WCVP (2019)
- = *Thelocactus rinconensis* subsp. *hintonii* Lüthy in Kakteen And. Sukk. 48: 39. 1997 syn. sec. Kew WCVP (2019) ≡ *Thelocactus lophothele* subsp. *hintonii* (Lüthy) Matusz., Thelocactus: 177. 2011 syn. sec. Kew WCVP (2019)
- = *Thelocactus rinconensis* subsp. *icamolensis* Halda & Kupčák in Acta Mus. Richnov., Sect. Nat., 7: 75. 2000 syn. sec. Kew WCVP (2019)
- = *Thelocactus rinconensis* subsp. *palomaensis* Pavlicek & Zatloukal in Kaktusy (Brno) 40: 11. 2004 syn. sec. Kew WCVP (2019) ≡ *Thelocactus lophothele* subsp. *palomaensis* (Pavlicek & Zatloukal) Matusz., Thelocactus: 188. 2011 syn. sec. Kew WCVP (2019)

***Thelocactus setispinus* (Engelm.) E.F.Anderson in Bradleya 5: 59. 1987.** Sec. Hunt (2016)

- ≡ *Echinocactus setispinus* Engelm. in Boston J. Nat. Hist. 5(2): 246. 1845 ≡ *Hamatocactus setispinus* (Engelm.) Britton & Rose, *Cactaceae* 3: 104. 1922 ≡ *Ferocactus setispinus* (Engelm.) L.D.Benson in *Cact. Succ. J.* (Los Angeles) 41: 128. 1969
 = *Cactus bicolor* Terán & Berland. in Mem. Comision Limites: 1. 1832 syn. sec. Kew WCVP (2019) ≡ *Cactus bicolor* Terán & Berland. ex Engelm., *Descr. Cact.*: 21. 1856 syn. sec. Hunt (2016) ≡ *Hamatocactus bicolor* (Terán & Berland.) I.M.Johnst. in *Contr. Gray Herb.* 70: 87. 1924 syn. sec. Tropicos
 = *Echinocactus hamatus* J.Forbes, *Journ. Tour Germ.*: 152. 1837 syn. sec. Tropicos
 = *Echinocactus muehlenpfordtii* J.H.Fennell in *Allg. Gartenzeitung* 15: 65. 1847 syn. sec. Kew WCVP (2019) ≡ *Echinocactus setispinus* var. *muehlenpfordtii* (J.H.Fennell) J.M.Coult. in *Contr. U.S. Natl. Herb.* 3: 370. 1896 syn. sec. Tropicos
 = *Echinocactus hamatus* Muehlenpf. in *Allg. Gartenzeitung* 16: 18. 1848 syn. sec. Kew WCVP (2019) ≡ *Echinocactus setispinus* var. *hamatus* (Muehlenpf.) Engelm. in Boston J. Nat. Hist. 6: 102. 1850 syn. sec. Tropicos ≡ *Echinocactus setispinus* f. *hamatus* (Muehlenpf.) Schelle, *Handb. Kakteenkult.*: 159. 1907 syn. sec. Tropicos ≡ *Thelocactus setispinus* var. *hamatus* (Muehlenpf.) Pilbeam, *Cactus File Handb.* 1: 42. 1996
 = *Echinocactus setispinus* var. *setaceus* Engelm. in Boston J. Nat. Hist. 6: 201. 1850 syn. sec. Kew WCVP (2019)
 = *Echinocactus setispinus* var. *cachetianus* Labour., *Monogr. Cact.*: 203. 1853 syn. sec. Tropicos ≡ *Echinocactus cachetianus* (Labour.) Hildm. in *Gart.-Zeitung* (Berlin) 4: 173. 1885 syn. sec. Britton & Rose (1922) ≡ *Echinocactus setispinus* f. *cachetianus* (Labour.) Schelle, *Handb. Kakteenkult.*: 159. 1907 syn. sec. Tropicos ≡ *Hamatocactus setispinus* f. *cachetianus* (Labour.) Krainz, *Kakteen* 31-32: C VIIIb. 1965 ≡ *Thelocactus setispinus* var. *cachetianus* (Labour.) Pilbeam, *Cactus File Handb.* 1: 42. 1996
 = *Echinocactus setispinus* var. *robustus* Poselg. in *Allg. Gartenzeitung* 21: 119. 1853 syn. sec. Kew WCVP (2019)
 = *Echinocactus hamulosus* Regel in *Index Seminum St. Petersburg (Petropolitanus)* 1856: 34. 1856 syn. sec. Kew WCVP (2019)
 = *Echinopsis nodosa* Linke in *Wochenschr. Gärtnerei Pflanzenk.* 1: 85. 1858 syn. sec. Kew WCVP (2019)
 = *Echinocactus nodosus* Hemsl. in *Biol. Cent.-Amer., Bot.* 1(6): 535. 1880 syn. sec. Kew WCVP (2019)
 = *Echinocactus setispinus* var. *mierensis* K.Schum., *Gesamtbeschr. Kakt.*: 340. 1898 syn. sec. Tropicos ≡ *Echinocactus setispinus* f. *mierensis* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 159. 1907 syn. sec. Tropicos ≡ *Thelocactus setispinus* var. *mierensis* (K.Schum.) Pilbeam, *Cactus File Handb.* 1: 42. 1996
 = *Echinocactus setispinus* var. *orcuttii* K.Schum., *Gesamtbeschr. Kakt.*: 340. 1898 syn. sec. Tropicos ≡ *Echinocactus setispinus* f. *orcuttii* (K.Schum.) Schelle, *Handb. Kakteenkult.*: 159. 1907 syn. sec. Tropicos ≡ *Hamatocactus setispinus* f. *orcuttii* (K.Schum.) Krainz, *Kakteen* 31-32: C VIIIb. 1965 syn. sec. Hunt (2016) ≡ *Thelocactus setispinus* var. *orcuttii* (K.Schum.) Pilbeam, *Cactus File Handb.* 1: 42. 1996 syn. sec. Hunt (2016)
 = *Echinocactus setispinus* var. *martelii* Schelle, *Handb. Kakteenkult.*: 159. 1907 syn. sec. Kew WCVP (2019)
 = *Hamatocactus setispinus* f. *flavibaccatus* G.Unger in *Kakteen And. Sukk.* 32: 291. 1981 syn. sec. Kew WCVP (2019)

Thelocactus tepelmemensis* T.J.Davis, H.M.Hern., G.D.Starr & Gómez-Hin. in Phytotaxa 361: 116. 2018.** Sec. Davis & al. (2018)Thelocactus tulensis* (Poselg.) Britton & Rose, *Cactaceae* 4: 11, f. 10. 1923.** Sec. Hunt (2016)

- ≡ *Echinocactus tulensis* Poselg. in *Allg. Gartenzeitung* 21(12): 125–126. 1853 ≡ *Thelocactus tulensis* subsp. *tulensis*
 = *Thelocactus krainzianus* Oehme in *Beitr. Sukkulenteenk. Sukkulentepflege* 1940: 1-3. 1940 syn. sec. Kew WCVP (2019) ≡ *Thelocactus leucacanthus* f. *krainzianus* (Oehme) H.Nagl in *Kakteen And. Sukk.* 42: 183. 1991
 = *Thelocactus buekii* subsp. *jarmilae* Halda & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 7: 38. 2000 syn. sec. Kew WCVP (2019)
 = *Thelocactus santaclarensis* Halda, Kupčák & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 39. 2000 syn. sec. Kew WCVP (2019)
 = *Thelocactus tulensis* subsp. *huizachensis* Halda & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 39. 2000 syn. sec. Kew WCVP (2019)
 = *Thelocactus tulensis* subsp. *kupcaki* Halda & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 40. 2000 syn. sec. Kew WCVP (2019)
 = *Thelocactus vaskoanus* Halda, Hovorka & Zatloukal in *Acta Mus. Richnov., Sect. Nat.*, 7: 75. 2000 syn. sec. Kew WCVP (2019) ≡ *Thelocactus tulensis* subsp. *vaskoanus* (Halda, Hovorka & Zatloukal) Halda, Kupčák & Malina in *Acta Mus. Richnov., Sect. Nat.*, 9: 45. 2002
 – *Thelocactus tulensis* var. *longispinus* Y.Itô, *Cactaceae*: 526. 1981, nom. inval. syn. sec. Kew WCVP (2019)

***Trichocereus* (A.Berger) Riccob. in Boll. Reale Orto Bot. Palermo 8: 236. 1909.** Sec. Hunt (2016)

Type: *Trichocereus macrogonus* (Salm-Dyck) Riccob.

≡ *Cereus* subg. *Trichocereus* A.Berger in *Rep. (Annual) Missouri Bot. Gard.* 16: 73. 1905 syn. sec. IPNI

Notes. – Excluded from *Echinopsis* by Schlumpberger & Renner (2012); cf. also Hunt (2016), CITES *Cactaceae* Checklist 3rd edition; see also note under *Echinopsis*. [Schlumpberger (2021)]

***Trichocereus bridgesii* (Salm-Dyck) Britton & Rose, *Cactaceae* 2: 134. 1920.** Sec. Schlumpberger (2021)

- = *Cereus lageniformis* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 164. 1861 syn. sec. Schlumpberger (2021) ≡ *Cereus bridgesii* var. *lageniformis* (C.F.Först.) K.Schum., *Gesamtbeschr. Kakt.*: 108. 1897 syn. sec. Schlumpberger (2021) ≡ *Cereus bridgesii* f. *lageniformis* (C.F.Först.) Schelle, *Handb. Kakteenkult.*: 75. 1907 syn. sec. Schlumpberger (2021) ≡ *Trichocereus bridgesii* var. *lageniformis* (C.F.Först.) Borg, *Cacti*, ed. 1: 138. 1937 syn. sec. Schlumpberger (2021) ≡ *Echinopsis lageniformis* (C.F.Först.) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 96. 1974 syn. sec. Schlumpberger (2021)

- = *Cereus bridgesii* var. *brevispinus* K.Schum., Gesamtbeschr. Kakt.: 108. 1897 syn. sec. Schlumpberger (2021) ≡ *Cereus bridgesii* f. *brevispinus* (K.Schum.) Schelle, Handb. Kakteenkult.: 75. 1907 syn. sec. Schlumpberger (2021) ≡ *Trichocereus bridgesii* var. *brevispinus* (K.Schum.) Borg, Cacti, ed. 1: 138. 1937 syn. sec. Schlumpberger (2021)
- = *Cereus bridgesii* var. *longispinus* C.A.Maass in Monatsschr. Kakteenk. 15: 119. 1905 syn. sec. Schlumpberger (2021) ≡ *Trichocereus bridgesii* var. *longispinus* (C.A.Maass) Borg, Cacti, ed. 1: 138. 1937 syn. sec. Schlumpberger (2021)
- = *Trichocereus crassicostatus* F.Ritter in Cactus (Paris) 87: 13. 1966 syn. sec. Schlumpberger (2021)
- = *Trichocereus bridgesii* var. *bridgesii* syn. sec. Schlumpberger (2021)
- Trichocereus chalaensis* Rauh & Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"].** Sec. Hunt (2016)
- ≡ *Echinopsis chalaensis* (Rauh & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 syn. sec. Hunt (2016)
- = *Trichocereus uyupampensis* Backeb., Kaktus-ABC: 205, 412. 1936 ["1935"] syn. sec. Hunt (2016) ≡ *Echinopsis uyupampensis* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 99. 1974 syn. sec. Hunt (2016)
- = *Trichocereus glaucus* F.Ritter in Kakteen And. Sukk. 11: 180. 1962 syn. sec. Hunt (2016) ≡ *Echinopsis glauca* (F.Ritter) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974 syn. sec. Hunt (2016)
- = *Echinopsis glauca* f. *pendens* (F.Ritter) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3: 95. 1974 ≡ *Trichocereus glaucus* var. *pendens* (F.Ritter) Backeb. syn. sec. Kiesling & al. (2014) – *Trichocereus glaucus* f. *pendens* F.Ritter in Kakteen And. Sukk. 11: 180. 1962, nom. inval.
- Trichocereus clavatus* F.Ritter, Kakteen Südamerika 2: 564. 1980.** Sec. Hunt (2016)
- ≡ *Echinopsis clavatus* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. Hunt (2016) – *Echinopsis clavata* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 5. 1997 syn. sec. TPL (2013) [is orthographic variant for *Echinopsis clavatus* (F.Ritter) D.R.Hunt]
- Trichocereus cuzcoensis* Britton & Rose, Cactaceae 2: 136. 1920.** Sec. Hunt (2016)
- ≡ *Cereus cuzcoensis* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 73, 101. 1931 ≡ *Echinopsis cuzcoensis* (Britton & Rose) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 95. 1974
- = *Cereus deflexispinus* Monv. ex Labour., Monogr. Cactaceae: 321. 1853 syn. sec. Kew WCVP (2019)
- = *Trichocereus knuthianus* Backeb. in Succulenta (Netherlands) 3: 42. 1937 syn. sec. Hunt (2016) ≡ *Lobivia knuthiana* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 73. 1942 syn. sec. Hunt (2016) ≡ *Echinopsis knuthiana* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Hunt (2016)
- = *Cereus deflexispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 14. 1957 ["1956"] syn. sec. Kew WCVP (2019)
- = *Trichocereus puquiensis* Rauh & Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"] ≡ *Echinopsis puquiensis* (Rauh & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Hunt (2016) ≡ *Echinopsis peruviana* subsp. *puquiensis* (Rauh & Backeb.) Ostolaza in Cactaceae Consensus Init. 6: 8. 1998 ≡ *Trichocereus peruvianus* subsp. *puquiensis* (Rauh & Backeb.) Ostolaza, Cactus Perú: 420. 2014
- = *Trichocereus tarmaensis* Rauh & Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Echinopsis tarmaensis* (Rauh & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Hunt (2016)
- = *Trichocereus tulhuayacensis* Ochoa ex Backeb. in Kakteen And. Sukk. 8: 106. 1957 syn. sec. Hunt (2016) ≡ *Echinopsis tulhuayacensis* (Ochoa) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Hunt (2016)
- = *Azoreocereus deflexispinus* Backeb. ex Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958: 281. 1958 syn. sec. Kew WCVP (2019)
- Trichocereus macrogonus* (Salm-Dyck) Riccob. in Boll. Reale Orto Bot. Palermo 8: 236. 1909.** Sec. Schlumpberger (2021)
- ≡ *Cereus macrogonus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 203. 1850 syn. sec. Schlumpberger (2021) ≡ *Echinopsis macrogona* (Salm-Dyck) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Schlumpberger (2021)
- = ?*Cereus tephraanthus* var. *bolivianus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 81. 1897 syn. sec. Britton & Rose (1920) ≡ *Eriocereus tephraanthus* var. *boliviensis* (F.A.C.Weber ex K.Schum.) W.T.Marshall & T.M.Bock, Cactaceae: 98. 1941 syn. sec. IPNI
- = *Cereus hempelianus* Bauer in Monatsschr. Kakteenk. 17: 55. 1907 syn. sec. Britton & Rose (1920)
- = *Trichocereus peruvianus* Britton & Rose, Cactaceae 2: 136. 1920 syn. sec. Schlumpberger (2021) ≡ *Echinopsis peruviana* (Britton & Rose) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Schlumpberger (2021) ≡ *Trichocereus pachanoi* f. *peruvianus* (Britton & Rose) F.Ritter, Kakteen Südamerika 4: 1324. 1981 syn. sec. Schlumpberger (2021) ≡ *Trichocereus macrogonus* var. *peruvianus* (Britton & Rose) Lodé in Cact.-Avent. Int. 97: 3. 2012 ["2013"] syn. sec. Schlumpberger (2021)
- = *Cereus rosei* Werderm. in Backeberg, Neue Kakteen: 73, 101. 1931 syn. sec. Kew WCVP (2019)
- = *Trichocereus trichosus* Cárdenas in Cactus (Paris) 57: 249. 1957 syn. sec. Kew WCVP (2019)
- = *Trichocereus tacnaensis* F.Ritter, Kakteen Südamerika 4: 1326. 1981 syn. sec. Kew WCVP (2019)
- = *Trichocereus torataensis* F.Ritter, Kakteen Südamerika 4: 1325. 1981 syn. sec. Jørgensen & al. (2014)
- = *Trichocereus huanucoensis* H.Johnson syn. sec. Tropicos
- Trichocereus macrogonus* var. *macrogonus*.** Sec. Schlumpberger (2021)
- Trichocereus macrogonus* var. *pachanoi* (Britton & Rose) Albesiano & R.Kiesling in Haseltonia 17: 32. 2012.** Sec. Schlumpberger (2021)
- ≡ *Trichocereus pachanoi* Britton & Rose, Cactaceae 2: 134. 1920 syn. sec. Schlumpberger (2021) ≡ *Cereus pachanoi* (Britton & Rose) Werderm. in Backeberg, Neue Kakteen: 73. 1931 syn. sec. Schlumpberger (2021) ≡ *Echinopsis pachanoi* (Britton & Rose) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 96. 1974 syn. sec. Schlumpberger (2021)
- = *Trichocereus santaensis* Rauh & Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"] syn. sec. Hunt (2016) ≡ *Echinopsis santaensis* (Rauh & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Hunt (2016)

= *Trichocereus schoenii* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 362. 1958 syn. sec. Hunt (2016) ≡ *Echinopsis schoenii* (Rauh & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 97. 1974 syn. sec. Hunt (2016)

***Trichocereus tacaquirensis* (Vaupel) Cárdenas ex Backeb., Cactaceae 2: 1107. 1959. Sec. Schlumpberger (2021)**

≡ *Cereus tacaquirensis* Vaupel in Monatsschr. Kakteenk. 26: 122. 1916 syn. sec. Schlumpberger (2021) ≡ *Echinopsis tacaquirensis* (Vaupel) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Schlumpberger (2021) ≡ *Echinopsis tacaquirensis* subsp. *tacaquirensis* syn. sec. Schlumpberger (2021)

= *Pseudolobivia wilkeae* Backeb., Cactaceae 6: 3724. 1962 syn. sec. Anderson (2005) ≡ *Trichocereus taquimbalensis* var. *wilkeae* Backeb., Descr. Cact. Nov. 1: 20. 1957 ["1956"] syn. sec. Anderson (2005) ≡ *Lobivia wilkeae* (Backeb.) H.Friedrich in Kakteen And. Sukk. 25: 83. 1974 syn. sec. Anderson (2005) ≡ *Echinopsis taquimbalensis* var. *wilkeae* (Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Anderson (2005) ≡ *Lobivia ferox* f. *wilkeae* (Backeb.) J.Ullmann in Kaktusy 28(3): 58. 1992 syn. sec. Anderson (2005)

***Trichocereus tacaquirensis* subsp. *tacaquirensis*. Sec. Anderson (2005)**

***Trichocereus tacaquirensis* subsp. *taquimbalensis* (Cárdenas) Guiggi in Cactology 3 (Suppl. II): 6. 2012. Sec. Anderson (2005)**

≡ *Trichocereus taquimbalensis* Cárdenas in Revista Agric. (Cochabamba) 8: 16. 1953 syn. sec. Anderson (2005) ≡ *Echinopsis taquimbalensis* (Cárdenas) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 98. 1974 syn. sec. Anderson (2005) ≡ *Echinopsis tacaquirensis* subsp. *taquimbalensis* (Cárdenas) G.Navarro in Lazaroa 17: 55. 1996 syn. sec. Anderson (2005) ≡ *Trichocereus taquimbalensis* var. *taquimbalensis* syn. sec. Anderson (2005)

***Turbincarpus* (Backeb.) Buxb. & Backeb. in Cactaceae (Berlin) 1937(1): 27. 1937. Sec. Vázquez-Sánchez & al. (2019)**

Type: *Turbincarpus schmiedickeanus* (Boed.) Buxb. & Backeb.

≡ *Strombocactus* subg. *Turbincarpus* Backeb. in Blätt. Kakteenf. 1936(1): 8. 1936 syn. sec. Vázquez-Sánchez & al. (2019)

= *Gymnocactus* Backeb. in Blätt. Kakteenf. 1938(6): 22. 1938 syn. sec. Hunt (2006). Type: *Gymnocactus saueri* (Boed.) Backeb.

= *Normanbokea* Kladiwa & Buxb., Kakteen 40-41: C VIIIb. 1969 syn. sec. Hunt (2006). Type: *Normanbokea valdeziana* (H.Moeller) Kladiwa & Buxb.

= *Pseudosolisia* Y.Itô, Cactaceae: 477. 1981 syn. sec. Kew WCV (2019). Type: *Pseudosolisia valdeziana* (H.Moeller) Y.Itô

Notes. – **Phylogenetics:** *Turbincarpus* was found to be polyphyletic in the molecular studies of Bárcenas & al. (2011) and Hernández-Hernández & al. (2011). The most comprehensively sampled dataset of Vázquez-Sánchez & al. (2013) showed *Turbincarpus* to fall into three separate clades. Recent studies have clarified the circumscription of *Turbincarpus*. Anatomically, *Turbincarpus* and *Kadenicarpus* clades share the presence of prismatic crystals in the hypodermis, while *Rapicactus* has prismatic druses, and *Turbincarpus* differs from *Kadenicarpus* by the absence of xylary fibers in the cortical bundles (De la Rosa-Tilapa & al 2019). The phylogenetic study performed by Vázquez-Sánchez et al. (2019) showed the *Turbincarpus* s.s. clade strongly supported as monophyletic, and sister to *Ariocarpus*. Three independent genera are thus accepted: *Kadenicarpus*, *Rapicactus* (see their respective treatments), and *Turbincarpus*. The number of species has been a matter of discussion. In this treatment, 23 species, 15 subspecies, two natural hybrids and 33 artificial hybrids are recognized. Furthermore, three taxonomic complexes are recognized: the *Turbincarpus saueri*, *T. schmiedickeanus* and *T. viereckii* complexes (see the respective treatments). The recognition of the species proposed here is based on general works focused on the genus, therefore, systematic work is required to solve this problem. [Aquino (2021)]

Key literature: Treatments by Lüthy (2002), Mosco (2009), De la Rosa-Tilapa & al. (2019), and Vázquez-Sánchez & al. (2019).

***Turbincarpus* × *admirabilis* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 160. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *adronatus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 160. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *aemulus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 160. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *aequalis* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 161. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *agatolepis* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 161. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *albellus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 161. 2003. Sec. Aquino (2021)**

***Turbincarpus alonsoi* Glass & S.Arias in Kakteen And. Sukk. 47(2): 26. 1996. Sec. Vázquez-Sánchez & al. (2019)**

≡ *Pediocactus alonsoi* (Glass & S.Arias) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021)

***Turbincarpus* × *amabilis* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 162. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *amiantus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 162. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *amoenulus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 162. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *ampliflorus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 162. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *anomalus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 163. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *anosmus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 163. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *antiquorum* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 163. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *ascocalyx* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 164. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *assimilis* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 164. 2003. Sec. Aquino (2021)**

***Turbincarpus* × *asteroides* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 164. 2003. Sec. Aquino (2021)**

Turbincarpus × *attenuatus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 164. 2003. Sec. Aquino (2021)

Turbincarpus × *azanthus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 165. 2003. Sec. Aquino (2021)

Turbincarpus × *bellatulus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 165. 2003. Sec. Aquino (2021)

Turbincarpus × *bicolor* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 165. 2003. Sec. Aquino (2021)

Turbincarpus boedekerianus García-Mor., Gonz.-Bot., Matusz., Nitzschke & Iamónico in *Phytotaxa* **391**: 160. 2019. Sec. Aquino (2021)

Turbincarpus bonatzii Gerhart Frank in *Succulenta (Netherlands)* **71(6)**: 280. 1992. Sec. Vázquez-Sánchez & al. (2019)

≡ *Pediocactus bonatzii* (Gerhart Frank) Halda in *Acta Mus. Richnov., Sect. Nat.*, **5**: 22. 1998 syn. sec. Kew WCVF (2019) ≡ *Turbincarpus schmiedickeanus* subsp. *bonatzii* (Gerhart Frank) Panar. in *Piante Grasse* **18(3)**: 120. 1999 syn. sec. Vázquez-Sánchez & al. (2013)

Notes. – Based on anatomical and molecular evidence, *Turbincarpus bonatzii* should be treated as an independent species with respect to *T. schmiedickeanus* (Boed.) Buxb. & Backeb. [Aquino (2021)]

Turbincarpus × *brachypus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 165. 2003. Sec. Aquino (2021)

Turbincarpus × *callichromus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 166. 2003. Sec. Aquino (2021)

Turbincarpus × *calopsis* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 167. 2003. Sec. Aquino (2021)

Turbincarpus × *calozonus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 166. 2003. Sec. Aquino (2021)

Turbincarpus × *calvescens* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 167. 2003. Sec. Aquino (2021)

Turbincarpus × *camelliflorus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 166. 2003. Sec. Aquino (2021)

Turbincarpus × *campanularis* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 167. 2003. Sec. Aquino (2021)

Turbincarpus × *candidulus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 167. 2003. Sec. Aquino (2021)

Turbincarpus × *carneolus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 168. 2003. Sec. Aquino (2021)

Turbincarpus × *cintiae* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 168. 2003. Sec. Aquino (2021)

Turbincarpus × *concinnus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 168. 2003. Sec. Aquino (2021)

Turbincarpus × *delicatus* Halda & Panar. in *Acta Mus. Richnov., Sect. Nat.*, **10**: 169. 2003. Sec. Aquino (2021)

Turbincarpus dickisoniae (Glass & R.A.Foster) Glass & A.Hofer, *Guía Identific. Cactá. Amenazadas México: Tu/di*. 1997. Sec. Hunt (2006)

≡ *Turbincarpus schmiedickeanus* var. *dickisoniae* Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* **54(2)**: 74. 1982 syn. sec. Hunt (2006) ≡ *Neolloydia schmiedickeana* var. *dickisoniae* (Glass & R.A.Foster) E.F.Anderson in *Bradleya* **4**: 20. 1986 syn. sec. Kew WCVF (2019) ≡ *Turbincarpus schmiedickeanus* subsp. *dickisoniae* (Glass & R.A.Foster) N.P.Taylor in *Cactaceae Consensus Init.* **5**: 14. 1998 syn. sec. Vázquez-Sánchez & al. (2013) ≡ *Pediocactus schmiedickeanus* var. *dickisoniae* (Glass & R.A.Foster) Halda in *Acta Mus. Richnov., Sect. Nat.*, **5(1)**: 20. 1998 syn. sec. IPNI ≡ *Turbincarpus gracilis* subsp. *dickisoniae* (Glass & R.A.Foster) Panar. in *Piante Grasse* **18(3)**: 120. 1999 syn. sec. Kew WCVF (2019)

Notes. – *Turbincarpus dickisoniae* has previously been classified as a subspecies of *T. schmiedickeanus* (Hunt 2006). The proposal of Lüthy & Moser (2002) to recognize this taxon as a distinct species is followed. Morphologically, the radial spines are persistent during the development of the individuals, while, in the other members of the *T. schmiedickeanus* complex, there are only present central spines. A micromorphological analysis of the spines shows that the walls of the spines of *T. dickisoniae* are entire, while the walls of the spines in *T. schmiedickeanus* are fissured (Mosco 2009). This is reflected in the appearance of the spines, rigid in *T. dickisoniae* and papiraceae in *T. schmiedickeanus*, which is consistent with the observations of Lüthy & Moser (2002). There are notable differences in terms of flower dimensions (ca. 20 mm long in *T. dickisoniae* and ca. 27 mm in *T. schmiedickeanus*), as well as in color (white with slight yellow tones in *T. dickisoniae*, while in *T. schmiedickeanus* they are white with a stripe in intense magenta tones). [Aquino (2021)]

Turbincarpus × *dubeniorum* Halda, Kracík & Malina in *Acta Mus. Richnov., Sect. Nat.*, **9**: 75. 2002. Sec. Aquino (2021)

Turbincarpus flaviflorus Gerhart Frank & A.B.Lau in *Kakteen And. Sukk.* **30(1)**: 6. 1979. Sec. Aquino (2021)

≡ *Turbincarpus schmiedickeanus* subsp. *flaviflorus* (Gerhart Frank & A.B.Lau) Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* **51(3)**: 123. 1979 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* var. *flaviflorus* (Gerhart Frank & A.B.Lau) Glass & R.A.Foster in *Cact. Succ. J. (Los Angeles)* **51**: 123. 1979 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* var. *flaviflora* (Gerhart Frank & A.B.Lau) E.F.Anderson in *Bradleya* **4**: 20. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *flaviflorus* (Gerhart Frank & A.B.Lau) Halda in *Acta Mus. Richnov., Sect. Nat.*, **5**: 21. 1998 syn. sec. Aquino (2021) ≡ *Turbincarpus macrochele* subsp. *flaviflorus* (Gerhart Frank & A.B.Lau) Doweld in *Sukkulenty* **3**: 69. 2000 syn. sec. Aquino (2021)

Notes. – *Turbincarpus flaviflorus*, previously a subspecies of *T. schmiedickeanus* is here raised to species rank since it was shown to be distant from *T. schmiedickeanus* and closely related to *T. alonsoi*. Unlike *T. schmiedickeanus*, which has depressed-globose stems, *T. flaviflorus* has short cylindrical stems with a slight broadening in the lower part (Donati & Zanolle, 2004). Mosco (2009) explains that under the epidermis of the spines there are fibers with open lumina and <2 µm thick walls, a characteristic that is not shared with *T. schmiedickeanus*. [Aquino (2021)]

***Turbinacarpus gielsdorfianus* (Werderm.) John & Říha in Repert. Pl. Succ. 19(1): 22. 1983.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Echinocactus gielsdorfianus* Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 1: 215. 1929 syn. sec. Aquino (2021) ≡ *Neolloydia gielsdorfiana* (Werderm.) F.M.Knuth, Kaktus-ABC: 366. 1936 ["1935"] syn. sec. Aquino (2021) ≡ *Thelocactus gielsdorfianus* (Werderm.) Borg, Cacti, ed. 1: 284. 1937 syn. sec. Aquino (2021) ≡ *Gymnocactus gielsdorfianus* (Werderm.) Backeb. in Cactaceae (Berlin) 1942(1): 23. 1942 syn. sec. Aquino (2021) ≡ *Thelocactus gielsdorfianus* (Werderm.) W.T.Marshall in Cact. Succ. J. Gr. Brit. 9: 28. 1947 syn. sec. Aquino (2021) ≡ *Pediocactus gielsdorfianus* (Werderm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 18. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus viereckii* subsp. *gielsdorfianus* (Werderm.) Zachar, Gen. Turbinacarpus: 30. 2004 syn. sec. Aquino (2021)

***Turbinacarpus graminispinus* Matusz., Myšák & Jiruše in Cactus & Co. 14(4): 21. 2011 ["2010"].** Sec. Aquino (2021)

***Turbinacarpus hoferi* Lüthy & A.B.Lau in Kakteen And. Sukk. 42(2): 37. 1991.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Pediocactus hoferi* (Lüthy & A.B.Lau) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021)

***Turbinacarpus jauernigii* Gerhart Frank in Succulenta (Netherlands) 72(3): 114. 1993.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus lophophoroides* subsp. *jauernigii* (Gerhart Frank) Battaia & Zanov. in Piante Grasse 15: 81. 1995 syn. sec. Aquino (2021) ≡ *Pediocactus lophophoroides* var. *jauernigii* (G.Frank) Halda in Acta Mus. Richnov., Sect. Nat., 5: 21. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* subsp. *jauernigii* (Gerhart Frank) D.R.Hunt in Cactaceae Syst. Init. 20: 24. 2005 syn. sec. Aquino (2021)

Notes. – The proposal by Lüthy & Moser (2002) to recognize this taxon as an independent species of *Turbinacarpus schmiedickeanus* (Boed.) Buxb. & Backeb. is followed. The trees of Vázquez-Sánchez & al. (2019) show that *T. jauernigii* is not related to *T. schmiedickeanus*, in which it used to be included as a subspecies. The anatomy of the spines of *T. jauernigii* Gerhart Frank indicates that the spines have compact sclerenchyma, thick-walled fibers which make up spines that are hard, rigid to sub-rigid, mostly pungent (Mosco 2009). This character is shared with other species such as *T. gielsdorfianus* (Werderm.) John & Říha or *T. lophophoroides* (Werderm.) Buxb. & Backeb., but not with *T. schmiedickeanus*, which has non-pungent, papyraceous spines. [Aquino (2021)]

***Turbinacarpus knuthianus* (Boed.) V.John & Říha in Kaktusy (Brno) 19: 22. 1983.** Sec. Aquino (2021)

≡ *Echinocactus knuthianus* Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 139. 1930 syn. sec. Aquino (2021) ≡ *Neolloydia knuthiana* (Boed.) F.M.Knuth, Kaktus-ABC: 367. 1936 ["1935"] syn. sec. Aquino (2021) ≡ *Thelocactus knuthianus* (Boed.) Borg, Cacti, ed. 1: 284. 1937 syn. sec. Aquino (2021) ≡ *Gymnocactus knuthianus* (Boed.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 151. 1951 syn. sec. Aquino (2021) ≡ *Pediocactus knuthianus* (Boed.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 18. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus saueri* subsp. *knuthianus* (Boed.) Lüthy, Cacti CITES Appendix 1: 9. 2001 syn. sec. Vázquez-Sánchez & al. (2019)

***Turbinacarpus laui* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 47(2): 118. 1975.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Neolloydia laui* (Glass & R.A.Foster) E.F.Anderson in Bradleya 4: 22. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus laui* (Glass & R.A.Foster) Halda in Acta Mus. Richnov., Sect. Nat., 5: 21. 1998 syn. sec. Aquino (2021)

***Turbinacarpus lophophoroides* (Werderm.) Buxb. & Backeb. in Cactaceae (Berlin) 1937(1): 27. 1937.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Thelocactus lophophoroides* Werderm. in Kakteenkunde 1934: 176. 1934 syn. sec. Aquino (2021) ≡ *Strombocactus lophophoroides* (Werderm.) Backeb. in Blätt. Kakteenf. 1935(6): 3. 1935 syn. sec. Aquino (2021) ≡ *Toumeyia lophophoroides* (Werderm.) W.T.Marshall in Cactus (Paris) 4: 5. 1946 syn. sec. Aquino (2021) ≡ *Neolloydia lophophoroides* (Werderm.) E.F.Anderson in Bradleya 4: 22. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus lophophoroides* (Werderm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 21. 1998 syn. sec. Aquino (2021)

***Turbinacarpus ×mobergeri* Říha in Kaktusy 32(2): 54–58. 1996.** Sec. Aquino (2021)

≡ *Turbinacarpus mobergeri* Říha in Kaktusy (Brno) 32: 54. 1996 syn. sec. Aquino (2021)

***Turbinacarpus nieblae* García-Mor., Mart.-Aval. & Bergm.Beck. in Turbi-Now 18: 14. 2005.** Sec. Aquino (2021)

≡ *Turbinacarpus saueri* subsp. *nieblae* (García-Mor., Mart.-Aval. & Bergm.Beck.) A.Hofer in Terra Seca 2011(2): 42. 2011 syn. sec. Vázquez-Sánchez & al. (2019)

***Turbinacarpus nikolae* Šnicer, Myšák, Zachar & Jiruše in Kakteen And. Sukk. 67: 268. 2016.** Sec. Aquino (2021)

***Turbinacarpus pseudopectinatus* (Backeb.) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49(4): 175. 1977.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Pelecypora pseudopectinata* Backeb. in Kakteenkunde 5: 98. 1935 syn. sec. Aquino (2021) ≡ *Mammillaria pseudopectinata* (Backeb.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 74. 1942 syn. sec. Aquino (2021) ≡ *Normanbokea pseudopectinata* (Backeb.) Kladiwa & Buxb. in Krainz, Kakteen 40-41: CVIII b. 1969 syn. sec. Aquino (2021) ≡ *Thelocactus pseudopectinatus* (Backeb.) E.F.Anderson & Boke in Amer. J. Bot. 56: 326. 1969 syn. sec. Aquino (2021) ≡ *Neolloydia pseudopectinata* (Backeb.) E.F.Anderson in Bradleya 4: 15. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus pseudopectinatus* (Backeb.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021)

= *Pelecypora pulcherrima* Sabatini in Piante Grasse 11: 26. 1991 syn. sec. Aquino (2021)

= *Turbinacarpus pseudopectinatus* subsp. *jarmilae* Halda & Chvastek in Acta Mus. Richnov., Sect. Nat., 7: 39. 2000 syn. sec. Aquino (2021) ≡ *Turbinacarpus pseudopectinatus* var. *jarmilae* (Halda & Chvastek) Zachar, Gen. Turbinacarpus: 42. 2004 syn. sec. Aquino (2021)

***Turbinacarpus ×pulcherrimus* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 10: 159. 2003.** Sec. Aquino (2021)

***Turbincarpus rioverdensis* Gerhart Frank in Succulenta (Netherlands) 71(2): 66. 1992.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Pediocactus rioverdensis* (Gerhart Frank) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* subsp. *rioverdensis* (Gerhart Frank) Zachar, Gen. Turbincarpus: 83. 2004 syn. sec. Aquino (2021)

= *Turbincarpus rioverdensis* subsp. *paoloi* Halda & Kupčák in Acta Mus. Richnov., Sect. Nat., 9: 77. 2002 syn. sec. Aquino (2021) ≡ *Turbincarpus paoloi* (Halda & Kupčák) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 10: 159. 2003 syn. sec. Aquino (2021)

Notes. – According to the phylogenetic study of Vázquez-Sánchez & al. (2019), *Turbincarpus rioverdensis* Gerhart Frank is more closely related to *T. swobodae* Diers and *T. valdezianus* (H.Moeller) Glass & R.A.Foster, than to *T. schmiedickeanus* (Boed.) Buxb. & Backeb., in which it used to be included as subspecies (Hunt 2006). The spines of *T. rioverdensis* and *T. schmiedickeanus* are transversely cut by deep fissures that also involve the underneath layers. However, the stems of *T. rioverdensis* show periclinal epidermal wall type nipple and closed-type undulated-shape anticlinal epidermal walls, characters absent in *T. schmiedickeanus*. [Aquino (2021)]

***Turbincarpus* ×*roseiflorus* Backeb., Descr. Cact. Nov. 3: 15. 1963.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Strombocactus* ×*roseiflorus* (Backeb.) T.Hewitt in Ashingtonia 2(1): cppo [3]. 1975 syn. sec. Aquino (2021)

***Turbincarpus saueri* (Boed.) John & Říha in Repert. Pl. Succ. 19(1): 22. 1983.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Echinocactus saueri* Boed. in Z. Sukkulentenk. 3(16): 362–363. 1928 ["1927-1928"] syn. sec. Aquino (2021) ≡ *Neolloydia saueri* (Boed.) F.M.Knuth, Kaktus-ABC: 367. 1936 ["1935"] syn. sec. Aquino (2021) ≡ *Thelocactus saueri* (Boed.) Borg, Cacti, ed. 1: 281. 1937 syn. sec. Aquino (2021) ≡ *Gymnocactus saueri* (Boed.) Backeb. in Cactaceae (Berlin) 1941(2): 59. 1942 syn. sec. Aquino (2021) ≡ *Thelocactus saueri* (Boed.) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942 syn. sec. Aquino (2021) ≡ *Pediocactus saueri* (Boed.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 18. 1998 syn. sec. Aquino (2021)

Notes. – *Turbincarpus saueri* comprises eight subspecies included in this taxonomic treatment. According to Lüthy & Moser (2002), these subspecies differ mainly by floral and stem morphology: large stems and flowers with white perianth (*T. saueri* subsp. *ysabelae*); small stems and flowers with pale pink perianth (*T. saueri* subsp. *nelissae*), stems with numerous spines (*T. saueri* subsp. *knuthianus*), and stems with few spines (*T. saueri* subsp. *nieblae*). Four of the eight subspecies were included in the phylogenetic analysis of *Turbincarpus*, but no close relationship was shown between the subspecies (Vázquez-Sánchez & al. 2019), they were intermixed with other *Turbincarpus* species, suggesting they might actually merit species rank. Still, the relevant nodes were unsupported or weakly supported. Therefore, a more comprehensive study phylogenetic / taxonomic study of all eight subspecies would be required to arrive at a better understanding of species-limits in this group. The four subspecies sampled by Vázquez-Sánchez & al. (2019) are here provisionally accepted at species rank. [Aquino (2021)]

***Turbincarpus saueri* subsp. *gonzalezii* Pavlíček & Zatloukal in Kaktusy (Brno) 41: 9. 2005.** Sec. Aquino (2021)

***Turbincarpus saueri* subsp. *nelissae* Halda & Panar. in Acta Mus. Richnov., Sect. Nat., 5(4): 161. 1998.** Sec. Aquino (2021)

***Turbincarpus saueri* subsp. *saueri*.** Sec. Vázquez-Sánchez & al. (2019)

***Turbincarpus saueri* subsp. *septentrionalis* Matusz. & Šnicer in Kaktusy (Brno) 40: 85. 2004.** Sec. Aquino (2021)

***Turbincarpus saueri* subsp. *verduzcoi* Zachar & Lux, Gen. Turbincarpus: 25. 2004.** Sec. Aquino (2021)

***Turbincarpus schmiedickeanus* (Boed.) Buxb. & Backeb. in Cactaceae (Berlin) 1937(1): 27. 1937.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Echinocactus schmiedickeanus* Boed. in Z. Sukkulentenk. 3(11): 229–230. 1928 ["1927-1928"] syn. sec. Aquino (2021) ≡ *Strombocactus schmiedickeanus* (Boed.) A.Berger, Kakteen: 250. 1929 syn. sec. Vázquez-Sánchez & al. (2019) ≡ *Toumeyia schmiedickeana* (Boed.) W.T.Marshall in Cactus (Paris) 4: 5. 1946 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* (Boed.) E.F.Anderson in Bradleya 4: 19. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* (Boed.) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 20. 1998 syn. sec. Aquino (2021) – *Strombocactus schmiedickeanus* (Boed.) J.West in J. Cact. Succ. Soc. Amer. 2: 298. 1930, nom. inval. syn. sec. Aquino (2021) [non *Strombocactus schmiedickeanus* (Boed.) A.Berger] = *Turbincarpus schmiedickeanus* var. *alenae* Halda & Kupčák in Acta Mus. Richnov., Sect. Nat., 9: 79. 2002 syn. sec. Kew WCVP (2019)

Notes. – According to Hunt (2006), *Turbincarpus schmiedickeanus* comprises 13 subspecies whose main characteristic is the presence of curved to twisted, flexible and non-pungent spines (Mosco, 2009). Vázquez-Sánchez & al. (2019) included 11 of the 13 subspecies in their phylogenetic analysis but did not find them to form a clade; *T. schmiedickeanus* subsp. *schwarzii* was even resolved as the sister to the entire *Turbincarpus* clade.

For this reason, we propose the exclusion of five subspecies from *T. schmiedickeanus*: *T. bonatzi*, *T. dickinsoniae*, *T. flaviflorus*, *T. schwarzii* and *T. rioverdensis* (see their respective treatments). The remaining subspecies (*T. subsp. andersonii*, *T. subsp. gracilis*, *T. subsp. klinkerianus*, *T. subsp. macrochele*, *T. subsp. sanchezii-mejoradae* and *T. subsp. rubriflorus*), are retained as subspecies of *T. schmiedickeanus*. These taxa are either unresolved or are parts of subclades with low support in the trees of Vázquez-Sánchez & al. (2019). [Aquino (2021)]

***Turbincarpus schmiedickeanus* subsp. *andersonii* Mosco in Cactaceae Consensus Init. 7: 18. 1999.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbincarpus macrochele* subsp. *andersonii* (Mosco) Doweld in Sukkulenty 3: 70. 2000 syn. sec. Aquino (2021) ≡ *Turbincarpus andersonii* (Mosco) D.Donati, Revis. Tasson. Gen. Turbincarpus: 17. 2003 syn. sec. Aquino (2021)

= *Turbincarpus schmiedickeanus* var. *panarottoi* Říha in Kaktusy (Brno) 32(1): 25. 1996 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* subsp. *panarottoi* (Říha) Lüthy in Kakteen And. Sukk. 50(11): 280. 1999 syn. sec. Aquino (2021)

***Turbinacarpus schmiedickeanus* subsp. *gracilis* (Glass & R.A.Foster) Glass, Guía Identific. Cact. Amenazadas México: Tu/sch. 1997 ["1998"].** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus gracilis* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 48(4): 176. 1976 syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* var. *gracilis* (Glass & R.A.Foster) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 167. 1977 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* var. *gracilis* (Glass & R.A.Foster) E.F.Anderson in Bradleya 4: 19. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *gracilis* (Glass & R.A.Foster) Halda in Acta Mus. Richnov., Sect. Nat., 5: 20. 1998 syn. sec. Aquino (2021)

***Turbinacarpus schmiedickeanus* subsp. *klinkerianus* (Backeb. & H.Jacobsen) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49(4): 168. 1977.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus klinkerianus* Backeb. & H.Jacobsen in Sukkulantenkunde 2: 27. 1948 syn. sec. Aquino (2021) ≡ *Strombocactus klinkerianus* (Backeb. & H.Jacobsen) Buining in Succulenta (Netherlands) 1951: 9. 1951 syn. sec. Aquino (2021) ≡ *Toumeyia klinkeriana* (Backeb. & H.Jacobsen) Bravo & W.T.Marshall in Saguaroland Bull. 10: 116. 1956 syn. sec. Aquino (2021) ≡ *Toumeyia schmiedickeana* var. *klinkeriana* (Backeb. & H.Jacobsen) Krainz, Kakteen 11: C VIIIb. 1959 syn. sec. Aquino (2021) ≡ *Strombocactus schmiedickeanus* var. *klinkerianus* (Backeb. & H.Jacobsen) G.D.Rowley in Repert. Pl. Succ. 23: 10. 1974 ["1972"] syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* var. *klinkerianus* (Backeb. & H.Jacobsen) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 168. 1977 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* var. *klinkeriana* (Backeb. & H.Jacobsen) E.F.Anderson in Bradleya 4: 20. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *klinkerianus* (Backeb. & H.Jacobsen) Halda in Acta Mus. Richnov., Sect. Nat., 5: 20. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus macrochele* subsp. *klinkerianus* (Backeb. & H.Jacobsen) Doweld in Sukkulenty 3: 70. 2000 syn. sec. Aquino (2021) – *Strombocactus klinkerianus* Backeb. & H.Jacobsen syn. sec. TPL (2013) [is misspelling for *Strombocactus klinkerianus* (Backeb. & H.Jacobsen) Buining]

– *Turbinacarpus klinkerianus* subsp. *hiemalis* D.Donati & Zanov., Con. Cap. Colt. Turbinacarpus - Rapicactus: 226. 2004, nom. inval. syn. sec. Aquino (2021)

– *Turbinacarpus klinkerianus* subsp. *planiziei* D.Donati & Zanov., Con. Cap. Colt. Turbinacarpus - Rapicactus: 228. 2004, nom. inval. syn. sec. Aquino (2021)

Notes. – The position of *Turbinacarpus schmiedickeanus* subsp. *klinkerianus* and *T. schmiedickeanus* subsp. *macrochele* with respect to *T. schmiedickeanus* subsp. *schmiedickeanus* is not resolved (Vázquez-Sánchez et al. 2019). Anatomical characters indicate that the presence of thin-walled fibers together with thick-walled fibers that are restricted to an inner core. It is proposed to retain these two taxa as subspecies of *T. schmiedickeanus* until morphological evidence, DNA sequences and environmental variables provide more insights whether if they merit recognition at the species level. [Aquino (2021)]

***Turbinacarpus schmiedickeanus* subsp. *macrochele* (Werderm.) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Echinocactus macrochele* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 11: 270. 1931 syn. sec. Aquino (2021) ≡ *Strombocactus macrochele* (Werderm.) Backeb. in Blätt. Kakteenf. 1935(9): 1. 1935 syn. sec. Aquino (2021) ≡ *Turbinacarpus macrochele* (Werderm.) Buxb. & Backeb. in Jahrb. Deutsch. Kakteen-Ges. 1937: 27. 1937 syn. sec. Aquino (2021) ≡ *Toumeyia macrochele* (Werderm.) W.T.Marshall in Cactus (Paris) 4: 5. 1946 syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* var. *macrochele* (Werderm.) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 168. 1977 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* var. *macrochele* (Werderm.) E.F.Anderson in Bradleya 4: 20. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *macrochele* (Werderm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 20. 1998 syn. sec. Aquino (2021)

= *Turbinacarpus macrochele* subsp. *frailensis* P.Lechner & Jantschgi in Turbi-Now 5: 14. 1998 syn. sec. Aquino (2021)

= *Turbinacarpus macrochele* subsp. *kupcakii* Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 7: 76. 2000 syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* var. *kupcakii* (Halda & Horáček) Halda & Horáček in Acta Mus. Richnov., Sect. Nat., 9: 78. 2002 syn. sec. Aquino (2021)

– *Turbinacarpus macrochele* subsp. *valteri* D.Donati & Zanov., Con. Cap. Colt. Turbinacarpus - Rapicactus: 223. 2004, nom. inval. syn. sec. Aquino (2021)

Notes. – See note under *Turbinacarpus schmiedickeanus* subsp. *klinkerianus*. [Aquino (2021)]

***Turbinacarpus schmiedickeanus* subsp. *rubriflorus* (Gerhart Frank) Panar. in Piante Grasse 18(3): 120. 1999.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Turbinacarpus schwarzii* var. *rubriflorus* Gerhart Frank in Succulenta (Netherlands) 72(2): 79. 1993 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *rubriflorus* (Gerhart Frank) Halda in Acta Mus. Richnov., Sect. Nat., 5: 21. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus schmiedickeanus* var. *rubriflorus* (Gerhart Frank) Zachar, Gen. Turbinacarpus: 79. 2004 syn. sec. Aquino (2021) ≡ *Turbinacarpus ellisiae* Halda, Kupčák & Panar. in Acta Mus. Richnov., Sect. Nat., 9: 76. 2002 syn. sec. Aquino (2021)

***Turbinacarpus schmiedickeanus* subsp. *sanchezii-mejoradae* García-Mor., Gonz.-Bot. & Vargas-Vázq. in Xerophilia special issue 4: 5. 2014.** Sec. Aquino (2021)

***Turbinacarpus schmiedickeanus* subsp. *schmiedickeanus*.** Sec. Vázquez-Sánchez & al. (2019)

- Turbincarpus schwarzii* (Shurly) Backeb. in Cact. Succ. J. (Los Angeles) 23: 150. 1951.** Sec. Vázquez-Sánchez & al. (2019)
 ≡ *Strombocactus schwarzii* Shurly in Cact. Succ. J. Gr. Brit. 10: 93. 1948 syn. sec. Aquino (2021) ≡ *Toumeyia schwarzii* (Shurly) Bravo & W.T.Marshall in Saguaroland Bull. 11: 31. 1957 syn. sec. Aquino (2021) ≡ *Toumeyia macrochele* var. *schwarzii* (Shurly) Kladiwa in Krainz, Kakteen 62: CVIII b. 1975 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* var. *schwarzii* (Shurly) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49: 169. 1977 syn. sec. Aquino (2021) ≡ *Neolloydia schmiedickeana* var. *schwarzii* (Shurly) E.F.Anderson in Bradleya 4: 20. 1986 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* subsp. *schwarzii* (Shurly) N.P.Taylor in Cactaceae Consensus Init. 5: 14. 1998 syn. sec. Aquino (2021) ≡ *Pediocactus schmiedickeanus* var. *schwarzii* (Shurly) Halda in Acta Mus. Richnov., Sect. Nat., 5: 21. 1998 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* f. *schwarzii* (Shurly) Panar. in Piante Grasse 18: 120. 1999 ["1998"] syn. sec. Aquino (2021) ≡ *Turbincarpus macrochele* subsp. *schwarzii* (Shurly) Doweld in Sukkulenty 3: 70. 2000 syn. sec. Aquino (2021) ≡ *Turbincarpus klinkerianus* subsp. *schwarzii* (Shurly) D.Donati, Revis. Tasson. Gen. Turbincarpus: 17. 2003 syn. sec. Aquino (2021)
- = *Turbincarpus polaskii* Backeb., Cactaceae 5: 2883. 1961 syn. sec. Aquino (2021) ≡ *Toumeyia schwarzii* var. *polaskii* (Backeb.) Kladiwa in Sukkulentenkunde 7-8: 46. 1963 syn. sec. Aquino (2021) ≡ *Toumeyia macrochele* f. *polaskii* (Backeb.) Kladiwa in Krainz, Kakteen 62: CVIII b. 1975 syn. sec. Aquino (2021) ≡ *Turbincarpus schmiedickeanus* var. *polaskii* (Backeb.) Zachar, Staník, Lux & Dráb, Rod Turbincarpus: 47. 1996 syn. sec. Aquino (2021)
- = *Turbincarpus macrochele* var. *polaskii* P.Lechner & Jantschgi in Turbi-Now 5: 14. 1998 syn. sec. Aquino (2021) ≡ *Turbincarpus macrochele* subsp. *polaskii* (P.Lechner & Jantschgi) D.Donati, Revis. Tasson. Gen. Turbincarpus: 17. 2003 syn. sec. Aquino (2021)

Notes. – *Turbincarpus schwarzii* is here recognized at species rank based on its phylogenetic position with respect to the other *Turbincarpus* species (Vázquez-Sánchez et al. 2019). Morphological differences can be found in the flowers: they are about 3.5 cm wide and with white perianth segments in *T. schwarzii*, and c. 2.5 cm wide and with perianth segments that are magenta in color with white tones at the edge of the tepals in *T. schmiedickeanus* (Donati & Zanovello 2004).

The recognition of *Turbincarpus polaskii* has been the subject of discussion. Taxonomic treatments such as Anderson (2006) and Hunt (2006) treat it as synonym of *T. schmiedickeanus* subsp. *schwarzii*. Donati & Zanovello (2004) propose the recognition of this taxon at the subspecific level. Based on the comparison of seedling development and seed characters, they conclude that there are greater morphological similarities with *T. schmiedickeanus* subsp. *macrochele*. A molecular analysis is still required in order to assess the recognition of this taxon, as it has not been sampled by Vázquez-Sánchez et al. (2019). [Aquino (2021)]

***Turbincarpus swobodae* Diers in Kakteen And. Sukk. 38(4): 90. 1987.** Sec. Vázquez-Sánchez & al. (2019)

≡ *Pediocactus swobodae* (Diers) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021)

***Turbincarpus valdezianus* (H.Moeller) Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 49(4): 174. 1977.** Sec. Vázquez-Sánchez & al. (2019)

- ≡ *Pelecyphora valdeziana* H.Moeller in Deutsche Gärt.-Zeitung 45: 179, 207. 1930 syn. sec. Aquino (2021) ≡ *Echinocactus valdezianus* (H.Moeller) Boed. in Monatsschr. Deutsch. Kakteen-Ges. 2: 148. 1930 syn. sec. Aquino (2021) ≡ *Thelocactus valdezianus* (H.Moeller) Borg, Cacti, ed. 1: 285. 1937 syn. sec. Aquino (2021) ≡ *Mammillaria valdeziana* (H.Moeller) H.P.Kelsey & Dayton, Standard. Pl. Names, ed. 2: 75. 1942 syn. sec. Aquino (2021) ≡ *Gymnocactus valdezianus* (H.Moeller) Backeb., Kakteenlex.: 163. 1966 syn. sec. Aquino (2021) ≡ *Normanbokea valdeziana* (H.Moeller) Kladiwa & Buxb. in Krainz, Kakteen 40-41: CVIII b. 1969 syn. sec. Aquino (2021) ≡ *Pseudosolisia valdeziana* (H.Moeller) Y.Itô, Cactaceae: 477. 1981 syn. sec. Aquino (2021) ≡ *Neolloydia valdeziana* (H.Moeller) E.F.Anderson in Bradleya 4: 14. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus valdezianus* (H.Moeller) Halda in Acta Mus. Richnov., Sect. Nat., 5: 22. 1998 syn. sec. Aquino (2021)
- = *Pelecyphora plumosa* Boed. & Ritter in Monatsschr. Deutsch. Kakteen-Ges. 2: 116. 1930 syn. sec. Aquino (2021)
- = *Pseudosolisia valdeziana* var. *albiflora* Y.Itô, Cactaceae: 478. 1981 syn. sec. Kew WCV (2019)
- = *Turbincarpus valdezianus* var. *pazoutii* Halda & Malina in Acta Mus. Richnov., Sect. Nat., 12: 10. 2005 syn. sec. Aquino (2021)
- *Pelecyphora valdeziana* var. *albiflora* Pazout in Vestn. Krouzku Kakt. 1960: 129. 1960, nom. inval. syn. sec. Aquino (2021) – *Gymnocactus valdezianus* var. *albiflorus* (Pazout) Backeb., Kakteenlex.: 163. 1966, nom. inval. syn. sec. Aquino (2021) – *Turbincarpus valdezianus* var. *albiflorus* (Pazout) Zachar, Staník, Lux & Dráb, Rod Turbincarpus: 42. 1996, nom. inval. syn. sec. Aquino (2021)

***Turbincarpus viereckii* (Werderm.) John & Řiha in Repert. Pl. Succ. 19(1): 22. 1983.** Sec. Vázquez-Sánchez & al. (2019)

- ≡ *Echinocactus viereckii* Werderm. in Monatsschr. Deutsch. Kakteen-Ges. 3: 175. 1931 syn. sec. Aquino (2021) ≡ *Neolloydia viereckii* (Werderm.) F.M.Knuth, Kaktus-ABC: 368. 1936 ["1935"] syn. sec. Aquino (2021) ≡ *Thelocactus viereckii* (Werderm.) Borg, Cacti, ed. 1: 284. 1937 syn. sec. Aquino (2021) ≡ *Thelocactus viereckii* (Werderm.) Werderm. in Kakteenkunde 1939: 85. 1939 syn. sec. Aquino (2021) ≡ *Gymnocactus viereckii* (Werderm.) Backeb. in Cact. Succ. J. (Los Angeles) 23: 151. 1951 syn. sec. Aquino (2021) ≡ *Pediocactus viereckii* (Werderm.) Halda in Acta Mus. Richnov., Sect. Nat., 5: 19. 1998 syn. sec. Aquino (2021)

Notes. – Four subspecies have been recognized in *Turbincarpus viereckii*. Two of them (*T. viereckii* subsp. *viereckii* and *T. viereckii* subsp. *major*) were sampled in the phylogenetic study of *Turbincarpus* (Vázquez-Sánchez et al. 2019) and were resolved in different positions of the phylogenetic tree, suggesting they merit species rank, but node support was low. A more detailed study is therefore required to understand the morphological variation as basis to recognize species. All four subspecies are therefore left as such for this treatment. [Aquino (2021)]

***Turbinacarpus viereckii* subsp. *major* (Glass & R.A.Foster) Glass, Guía Identific. Cact. Amenazadas México: Tu/vi ssp. major. 1997 ["1998"].** Sec. Vázquez-Sánchez & al. (2019)

≡ *Gymnocactus viereckii* var. *major* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 50: 285. 1978 syn. sec. Aquino (2021) ≡ *Thelocactus viereckii* var. *major* (Glass & R.A.Foster) Bravo in Cact. Suc. Mex. 25: 65. 1980 syn. sec. Aquino (2021) ≡ *Turbinacarpus viereckii* var. *major* (Glass & R.A.Foster) V.John & Říha in Kaktusy (Brno) 19: 22. 1983 syn. sec. Aquino (2021) ≡ *Neolloydia viereckii* var. *major* (Glass & R.A.Foster) E.F.Anderson in Bradleya 4: 15. 1986 syn. sec. Aquino (2021) ≡ *Pediocactus viereckii* var. *major* (Glass & R.A.Foster) Halda in Acta Mus. Richnov., Sect. Nat., 5: 19. 1998 syn. sec. Aquino (2021) ≡ *Gymnocactus viereckii* subsp. *major* (Glass & R.A.Foster) Doweld in Sukkulenty 3: 37. 2000 syn. sec. Aquino (2021) ≡ *Turbinacarpus major* (Glass & R.A.Foster) D.Donati, Revis. Tasson. Gen. Turbinacarpus: 11. 2003 syn. sec. Aquino (2021)

***Turbinacarpus viereckii* subsp. *neglectus* D.Donati & Zanov., Con. Cap. Colt. Turbinacarpus - Rapicactus: 184. 2004.** Sec. Aquino (2021)

≡ *Turbinacarpus viereckii* var. *neglectus* (D.Donati & Zanov.) Romulski in Kaktusy Inne 9(3): 109. 2016 syn. sec. Aquino (2021)

***Turbinacarpus viereckii* subsp. *reconditus* Labhart in Piante Grasse 32(1): 6. 2012.** Sec. Aquino (2021)

≡ *Turbinacarpus viereckii* var. *reconditus* (Labhart) Romulski in Kaktusy Inne 9(3): 109. 2016 syn. sec. Aquino (2021)

Turbinacarpus viereckii* subsp. *viereckii*.** Sec. Vázquez-Sánchez & al. (2019)Turbinacarpus ysabelae* (Schlange) John & Říha in Repert. Pl. Succ. 19(1): 22. 1983.** Sec. Aquino (2021)

≡ *Thelocactus ysabelae* Schlange in Cact. Succ. J. (Los Angeles) 5: 551. 1934 syn. sec. Aquino (2021) ≡ *Gymnocactus ysabelae* (Schlange) Backeb., Cactaceae 5: 2856. 1961 syn. sec. Aquino (2021) ≡ *Neolloydia knuthiana* var. *ysabelae* (Schlange) A.T.Powell in Cact. Succ. J. (Los Angeles) 13(4): 154. 1995 syn. sec. Aquino (2021) ≡ *Pediocactus ysabelae* (Schlange) Halda in Acta Mus. Richnov., Sect. Nat., 5(1): 18. 1998 syn. sec. Aquino (2021) ≡ *Turbinacarpus saueri* subsp. *ysabelae* (Schlange) Lüthy in Kakteen And. Sukk. 50(11): 280. 1999 syn. sec. Vázquez-Sánchez & al. (2019)

= *Thelocactus ysabelae* var. *brevispinus* Schlange in Cact. Succ. J. (Los Angeles) 5: 551. 1934 syn. sec. Aquino (2021) ≡ *Gymnocactus ysabelae* var. *brevispinus* (Schlange) Backeb., Cactaceae 5: 2856. 1961 syn. sec. Aquino (2021) ≡ *Turbinacarpus ysabelae* var. *brevispinus* (K.Schlange) V.John & Říha in Repert. Pl. Succ. 19(1): 22. 1983 syn. sec. Aquino (2021)

Notes. – Hunt (2006) treated *Turbinacarpus saueri* subsp. *ysabelae* as synonym of *T. saueri* subsp. *nelissae*. Of these two, Vázquez-Sánchez et al. (2019) have sampled only *T. saueri* subsp. *ysabelae*, which was highly supported as sister to *T. viereckii*. We therefore here provisionally accept it at species rank (see also note for *T. saueri*). [Aquino (2021)]

Uebelmannia Buining in Succulenta (Netherlands) 46: 159. 1967. Sec. Taylor & Zappi (2004)

Type: *Uebelmannia gummifera* (Backeb. & Voll) Buining

Uebelmannia buiningii* Donald in Natl. Cact. Succ. J. 24: 3. 1968.** Sec. Taylor & Zappi (2004)Uebelmannia gummifera* (Backeb. & Voll) Buining in Succulenta (Netherlands) 46: 161. 1967.** Sec. Taylor & Zappi (2004)

≡ *Parodia gummifera* Backeb. & Voll in Arch. Jard. Bot. Rio de Janeiro 9: 169. 1949 syn. sec. Taylor & Zappi (2004)

= *Uebelmannia meninensis* Buining in Kakteen And. Sukk. 19: 151. 1968 syn. sec. Taylor & Zappi (2004) ≡ *Uebelmannia gummifera* subsp. *meninensis* (Buining) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 226. 1995 syn. sec. Taylor & Zappi (2004)

= *Uebelmannia gummifera* var. *rubra* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 74(5): 226. 1995 syn. sec. Taylor & Zappi (2004) ≡ *Uebelmannia meninensis* var. *rubra* Buining & Brederoo in Krainz, Kakteen 55-56: CVIc. 1973 syn. sec. Taylor & Zappi (2004)

***Uebelmannia pectinifera* Buining in Natl. Cact. Succ. J. 22: 86. 1967.** Sec. Taylor & Zappi (2004)

= *Uebelmannia pectinifera* var. *pseudopectinifera* Buining in Kakteen And. Sukk. 23(5): 125. 1972 syn. sec. Taylor & Zappi (2004)

= *Uebelmannia pectinifera* var. *multicostata* Buining & Brederoo in Krainz, Kakteen 62: CVIe. 1975 syn. sec. Taylor & Zappi (2004)

***Uebelmannia pectinifera* subsp. *eriacctoides* (Řepka, Krajca & V.Toman) Guiggi in Cactology 3: 9. 2012.** Sec. Metzger (2021)

≡ *Uebelmannia pectinifera* var. *eriacctoides* Řepka, Krajca & V.Toman in Cactus & Co. 14: 19. 2010 syn. sec. unresolved name

***Uebelmannia pectinifera* subsp. *flavispina* (Buining & Brederoo) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 135. 1995.** Sec. Taylor & Zappi (2004)

≡ *Uebelmannia flavispina* Buining & Brederoo in Succulenta (Netherlands) 52: 9. 1973 syn. sec. Taylor & Zappi (2004)

***Uebelmannia pectinifera* subsp. *horrida* (P.J.Braun) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 135. 1995.** Sec. Taylor & Zappi (2004)

≡ *Uebelmannia pectinifera* var. *horrida* P.J.Braun in Kakteen And. Sukk. 35: 265. 1984 syn. sec. Taylor & Zappi (2004) ≡ *Uebelmannia horrida* (P.J.Braun) Anceschi & Magli in Cactusinhabitat S. Amer. 2005/2010: 33. 2010 syn. sec. Taylor & Zappi (2004)

Uebelmannia pectinifera* subsp. *pectinifera*.** Sec. Taylor & Zappi (2004)Vatricania* Backeb. in Cact. Succ. J. (Los Angeles) 22: 154. 1950.** Sec. Schlumpberger & Renner (2012)

Type: *Vatricania guentheri* (Kupper) Backeb.

Notes. – **Phylogenetics:** Included in *Espostoa* s.l. by modern lexicographic treatments such as Anderson (2001, 2005) and Hunt (2006), the genus was found to be distant from the *Espostoa* in the *Cleistocactus* s.str. clade by Schlumpberger & Renner (2012). Consequently, the monotypic *Vatricania* was suggested to be reinstated. [Hernández-Ledesma & al. (2015)]

***Vatricania guentheri* (Kupper) Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951.** Sec. Schlumpberger & Renner (2012)
 ≡ *Cephalocereus guentheri* Kupper in Monatsschr. Deutsch. Kakteen-Ges. 3: 159. 1931 syn. sec. Hunt (2006) ≡ *Cereus guentheri* (Kupper) Werderm. in Backeberg, Neue Kakteen: 72. 1931 syn. sec. Hunt (2006) ≡ *Espostoa guentheri* (Kupper) Buxb. in Oesterr. Bot. Z. 106: 155. 1959, nom. illeg. syn. sec. Hunt (2006) ≡ *Espostoa guentheri* (Kupper) Buxb. ex Eggli in Novon 15: 277. 2005 ≡ *Echinopsis guentheri* (Kupper) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 38. 2013 syn. sec. Schlumpberger & Renner (2012)

***Weberbauerocereus* Backeb. in Cactaceae (Berlin) 1941(2): 31, 75. 1942.** Sec. Arakaki (2003)

Type: *Weberbauerocereus fascicularis* (Meyen) Backeb.

= *Meyenia* Backeb. in Möller's Deutsche Gärt.-Zeitung 46: 187. 1931, nom. illeg. syn. sec. Arakaki (2003)

***Weberbauerocereus cephalomacrostibas* (Werderm. & Backeb.) F.Ritter, Kakteen Südamerika 4: 1353. 1981.** Sec. Hunt (2016)

≡ *Cereus cephalomacrostibas* Werderm. & Backeb. in Backeberg, Neue Kakteen: 50, 101. 1931 syn. sec. Arakaki (2003) ≡ *Trichocereus cephalomacrostibas* (Werderm. & Backeb.) Backeb., Kaktus-ABC: 201. 1936 ["1935"] syn. sec. Tropicos ≡ *Echinopsis cephalomacrostibas* (Werderm. & Backeb.) H.Friedrich & G.D.Rowley in I.O.S. Bull. 3(3): 94. 1974 syn. sec. Arakaki (2003) ≡ *Haageocereus cephalomacrostibas* (Werderm. & Backeb.) P.V.Heath in Calyx 5(2): 64. 1995 syn. sec. Tropicos

= *Haageocereus ferox* F.Ritter syn. sec. Tropicos

***Weberbauerocereus churinensis* F.Ritter in Kakteen And. Sukk. 13: 133. 1962.** Sec. Arakaki (2003)

≡ *Haageocereus churinensis* (F.Ritter) P.V.Heath in Calyx 5(2): 64. 1995 ≡ *Echinopsis churinensis* (F.Ritter) Molinari in Succulentopi@ 13: 19. 2015

***Weberbauerocereus cuzcoensis* Kníže in Biota 7: 256. 1969.** Sec. Arakaki (2003)

≡ *Haageocereus cuzcoensis* (Kníže) P.V.Heath in Calyx 14: 52, 64. 1995 syn. sec. Arakaki (2003)

= *Weberbauerocereus cuzcoensis* var. *tenuarbores* F.Ritter, Kakteen Südamerika 4: 1358. 1981 syn. sec. Arakaki (2003) ≡ *Haageocereus cuzcoensis* var. *tenuarbores* (F.Ritter) P.V.Heath in Calyx 5(2): 64. 1995 syn. sec. Arakaki (2003) – *Trichocereus tenuiarbores* F.Ritter in Winter-Kat. 1959, nom. nud. syn. sec. Arakaki (2003)

= *Weberbauerocereus cuzcoensis* var. *tenuiarbores* F.Ritter, Kakteen Südamerika 4: 1358. 1981 syn. sec. Kew WCVP (2019) – *Trichocereus crassiarborescens* F.Ritter in Winter-Kat. 1959, nom. nud. syn. sec. Arakaki (2003) – *Weberbauerocereus crassiarborescens* F.Ritter in Winter-Kat. 1959, nom. nud. syn. sec. Arakaki (2003)

***Weberbauerocereus longicomus* F.Ritter in Kakteen And. Sukk. 13: 117. 1962.** Sec. Tropicos

≡ *Haageocereus longicomus* (F.Ritter) P.V.Heath in Calyx 5(2): 64. 1995 syn. sec. Arakaki (2003)

= *Weberbauerocereus albus* F.Ritter in Kakteen And. Sukk. 13: 106. 1962 syn. sec. Arakaki (2003) ≡ *Haageocereus albus* (F.Ritter) G.D.Rowley in Natl. Cact. Succ. J. 37: 76. 1982 syn. sec. Tropicos ≡ *Haageocereus albus* (F.Ritter) P.V.Heath in Calyx 5(2): 64. 1995 syn. sec. Arakaki (2003)

***Weberbauerocereus madidiensis* Quispe & A.Fuentes in Novon 20(3): 326. 2010.** Sec. Hunt (2016)

***Weberbauerocereus rauhii* Backeb., Descr. Cact. Nov. 1: 27. 1957 ["1956"].** Sec. Arakaki (2003)

≡ *Haageocereus rauhii* (Backeb.) P.V.Heath in Calyx 5(2): 64. 1995 ≡ *Echinopsis rauhii* (Backeb.) Mayta in Succulentopi@ 14: 15. 2015

= *Weberbauerocereus rauhii* var. *laticornua* Rauh in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl. 1958: 460. 1958 syn. sec. Arakaki (2003) ≡ *Haageocereus rauhii* var. *laticornua* (Rauh) P.V.Heath in Calyx 5(2): 64. 1995 syn. sec. Arakaki (2003)

***Weberbauerocereus torataensis* F.Ritter, Kakteen Südamerika 4: 1357. 1981.** Sec. Arakaki (2003)

≡ *Haageocereus torataensis* (F.Ritter) P.V.Heath in Calyx 5(2): 65. 1995 syn. sec. Arakaki (2003)

***Weberbauerocereus weberbaueri* (K.Schum. ex Vaupel) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 461. 1958.** Sec. Arakaki (2003)

≡ *Cereus weberbaueri* K.Schum. ex Vaupel in Bot. Jahrb. Syst. 50(2-3, Beibl. 111): 22. 1913 ≡ *Haageocereus weberbaueri* (K.Schum. ex Vaupel) D.R.Hunt in Bradleya 5: 92. 1987 ≡ *Echinopsis weberbaueri* (K.Schum. ex Vaupel) Anceschi & Magli in Cactusinhabitat S. Amer. 2011/2013: 40. 2013

= *Meyenia weberbaueri* Backeb. in Möller's Deutsche Gärt.-Zeitung 46: 187. 1931 syn. sec. Kew WCVP (2019)

= *Weberbauerocereus horridispinus* Rauh & Backeb., Descr. Cact. Nov. 1: 27. 1957 ["1956"] syn. sec. Arakaki (2003) ≡ *Weberbauerocereus weberbaueri* var. *horridispinus* (Rauh & Backeb.) F.Ritter, Kakteen Südamerika 4: 1356. 1981 syn. sec. Arakaki (2003) ≡ *Haageocereus weberbaueri* var. *horridispinus* (Rauh & Backeb.) P.V.Heath in Calyx 5: 65. 1995 syn. sec. Arakaki (2003)

= *Weberbauerocereus seiboldianus* Rauh & Backeb., Descr. Cact. Nov. 1: 27. 1957 ["1956"] syn. sec. Arakaki (2003)

= *Weberbauerocereus weberbaueri* var. *aureifuscus* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 462. 1958 syn. sec. Arakaki (2003)

= *Weberbauerocereus weberbaueri* var. *horribilis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 464. 1958 syn. sec. Arakaki (2003)

= *Weberbauerocereus weberbaueri* var. *humilior* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 465. 1958 syn. sec. Arakaki (2003)

= *Weberbauerocereus fascicularis* var. *horridispinus* F.Ritter syn. sec. Brako & Zarucchi (1993)

***Weberbauerocereus winterianus* F.Ritter in *Kakteen And. Sukk.* 13: 54. 1962.** Sec. Arakaki (2003)

≡ *Haageocereus winterianus* (F.Ritter) P.V.Heath in *Calyx* 5(2): 65. 1995 ≡ *Echinopsis winteriana* (F.Ritter) Molinari & Mayta in *Succulentopi@* 14: 20. 2015

= *Weberbauerocereus johnsonii* F.Ritter in *Kakteen And. Sukk.* 13: 72. 1962 syn. sec. Arakaki (2003) ≡ *Haageocereus johnsonii* (F.Ritter) P.V.Heath in *Calyx* 5(2): 64. 1995 syn. sec. Arakaki (2003) ≡ *Echinopsis johnsonii* (F.Ritter) Molinari & Mayta in *Succulentopi@* 14: 20. 2015

= *Weberbauerocereus winterianus* var. *australis* F.Ritter in *Kakteen And. Sukk.* 4: 56. 1989 syn. sec. Arakaki (2003) ≡ *Haageocereus winterianus* var. *australis* (F.Ritter) P.V.Heath in *Calyx* 5(2): 65. 1995 syn. sec. Arakaki (2003)

Weberocereus Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 431. 1909. Sec. Korotkova & al. (2017)

Type: *Weberocereus tunilla* (F.A.C.Weber) Britton & Rose

= *Eccremocactus* Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 261. 1913 syn. sec. Korotkova & al. (2017). Type: *Eccremocactus bradei* Britton & Rose

= *Eccremocereus* Frič & Kreuz. in Kreuzinger, Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 17. 1935, nom. illeg. syn. sec. Kew WCVP (2019)

Notes. – **Phylogenetics:** *Weberocereus* was newly circumscribed by Korotkova & al. (2017) based on the results of their phylogenetic study. Therein, *Weberocereus* was depicted as polyphyletic, a clade containing five species, including *W. tunilla* — the type species — was supported with 1 PP, 82% MLBS, 80% JK, but *W. glaber* and *W. tonduzii* were resolved at different positions within the *Selenicereus/Hylocereus* clade and are therefore excluded from *Weberocereus*. [Korotkova (2021)]

***Weberocereus bradei* (Britton & Rose) G.D.Rowley in *Repert. Pl. Succ.* 23: 10. 1974.** Sec. Korotkova & al. (2017)

≡ *Eccremocactus bradei* Britton & Rose in *Contr. U.S. Natl. Herb.* 16: 262. 1913 syn. sec. Korotkova & al. (2017) ≡

Phyllocactus bradei (Britton & Rose) Vaupel in *Monatsschr. Kakteenk.* 23: 118. 1913 syn. sec. Korotkova & al. (2017) ≡

Epiphyllum bradei (Britton & Rose) Standl. in *Publ. Field Mus. Nat. Hist., Bot. Ser.* 18: 753. 1937 syn. sec. Korotkova & al. (2017)

***Weberocereus frohningiorum* Ralf Bauer in *Kakteen And. Sukk.* 52(9): 228. 2001.** Sec. Korotkova & al. (2017)

***Weberocereus imitans* (Kimmach & Hutchison) Buxb. in *Succulenta (Netherlands)* 57(6): 125. 1978.** Sec. Korotkova & al. (2017)

≡ *Werckleocereus imitans* Kimmach & Hutchison in *Cact. Succ. J. (Los Angeles)* 28: 154. 1956 syn. sec. Korotkova & al. (2017)

≡ *Cryptocereus imitans* (Kimmach & Hutchison) Backeb., *Cactaceae* 2: 734. 1959 syn. sec. Korotkova & al. (2017) ≡

Eccremocactus imitans (Kimmach & Hutchison) Kimmach in *Cact. Succ. J. (Los Angeles)* 34: 82. 1962 syn. sec. Korotkova & al. (2017)

***Weberocereus rosei* (Kimmach) Buxb. in *Succulenta (Netherlands)* 57(6): 125. 1978.** Sec. Korotkova & al. (2017)

≡ *Eccremocactus rosei* Kimmach in *Cact. Succ. J. (Los Angeles)* 34: 80. 1962 syn. sec. Korotkova & al. (2017) ≡ *Cryptocereus rosei* (Kimmach) Backeb., *Descr. Cact. Nov.* 3: 5. 1963 syn. sec. Korotkova & al. (2017)

***Weberocereus trichophorus* H.Johnson & Kimmach in *Cact. Succ. J. (Los Angeles)* 35: 205. 1963.** Sec. Korotkova & al. (2017)

***Weberocereus tunilla* (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 432. 1909.** Sec. Korotkova & al. (2017)

≡ *Cereus tunilla* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 460. 1902 syn. sec. Korotkova & al. (2017)

***Weberocereus tunilla* subsp. *biolleyi* (F.A.C.Weber) Ralf Bauer in *Kakteen And. Sukk.* 54(9): 243. 2003.** Sec. Korotkova & al. (2017)

≡ *Rhipsalis biolleyi* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 467. 1902 syn. sec. Korotkova & al. (2017) ≡ *Cereus biolleyi*

F.A.C.Weber in Schumann, *Gesamtbeschr. Kakt., Nachtr.* 1: 60. 1903 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus*

biolleyi (F.A.C.Weber) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 431. 1909 syn. sec. Korotkova & al. (2017)

= *Cereus estrellensis* F.A.C.Weber ex Wercklé in *Monatsschr. Kakteenk.* 25: 167. 1915 syn. sec. Tropicos ≡ *Weberocereus estrellensis* (F.A.C.Weber ex Wercklé) Doweld in *Sukkulenty* 4: 43. 2002 ["2001"] syn. sec. Korotkova & al. (2017)

= *Weberocereus panamensis* Britton & Rose, *Cactaceae* 2: 215. 1920 syn. sec. Korotkova & al. (2017) ≡ *Weberocereus biolleyi* subsp. *panamensis* (Britton & Rose) Doweld in *Sukkulenty* 4: 43. 2002 ["2001"] syn. sec. Korotkova (2021)

***Weberocereus tunilla* subsp. *tunilla*.** Sec. Korotkova & al. (2017)

= *Cereus gonzalezii* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 8: 460. 1902 syn. sec. Korotkova & al. (2017)

Weingartia Werderm. in *Kakteenkunde* 1937: 20, 21. 1937. Sec. Kiesling & al. (2014)

Type: *Weingartia fidana* (Backeb.) Werderm.

= *Spegazzinia* Backeb. in *Blätt. Kakteenf.* 1934(4): 3. 1934 syn. sec. Kiesling & al. (2014). Type: *Spegazzinia fidana* Backeb.

= *Sulcorebutia* Backeb. in *Cact. Succ. J. Gr. Brit.* 13: 96. 1951 syn. sec. Kiesling & al. (2014). Type: *Sulcorebutia steinbachii* (Werderm.) Backeb.

= *Cintia* Kníže & Říha in *Kaktusy (Brno)* 31: 37. 1995 syn. sec. Kiesling & al. (2014). Type: *Cintia knizei* Říha

= *Gymnobrebutia* Doweld in *Sukkulenty* 4(1-2): 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014)

Notes. – **Phylogenetics:** *Weingartia* and *Sulcorebutia* used to be merged in *Rebutia*, e.g. by Barthlott & Hunt (1993), Anderson (2001), and Hunt (2006), but were recognized by Anderson (2005). The *Rebutia* s.l. assemblage was found highly polyphyletic by Ritz & al. (2007), and was shown to be separated into three well supported clades. One of these clades comprises species of *Weingartia*, *Sulcorebutia* and *Cintia* and includes the nomenclatural type of *Weingartia*. Ritz & al. (2007) suggested that all three could be merged into a single genus, for which *Weingartia* is the oldest name. [Hernández-Ledesma & al. (2015)]

- Weingartia arenacea* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 1979(5): 69. 1979.** Sec. Kiesling & al. (2014)
 ≡ *Rebutia arenacea* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 94. 1951 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia arenacea* (Cárdenas) F.Ritter in Natl. Cact. Succ. J. 16(4): 81. 1961 syn. sec. Kiesling & al. (2014)
 = *Rebutia glomeriseta* Cárdenas in Cact. Succ. J. (Los Angeles) 23: 93. 1951 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia glomeriseta* (Cárdenas) F.Ritter in Natl. Cact. Succ. J. 16(4): 79–81. 1961 syn. sec. Kiesling & al. (2014) ≡ *Weingartia glomeriseta* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 4: 12–13. 1977 syn. sec. Kiesling & al. (2014)
 = *Rebutia candiae* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 112, f. 69, 70. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia candiae* (Cárdenas) Buining & Donald in Sukkulantenkunde 7-8: 104. 1963 syn. sec. Kiesling & al. (2014) ≡ *Weingartia candiae* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 2: 69. 1977 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia arenacea* var. *candiae* (Cárdenas) Gertel & J.de Vries in Cactus & Co. 10(1): 41. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia arenacea* var. *candiae* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia arenacea* subsp. *candiae* (Cárdenas) Lodé in Cact.-Avent. Int. 98(Suppl.): 9. 2013 syn. sec. Kiesling & al. (2014)
 = *Rebutia menesesii* Cárdenas in Cact. Succ. J. (Los Angeles) 33: 113, f. 71, 72. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia menesesii* (Cárdenas) Buining & Donald in Sukkulantenkunde 7-8: 104. 1963 syn. sec. Kiesling & al. (2014) ≡ *Weingartia menesesii* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 4: 6. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia arenacea* var. *menesesii* (Cárdenas) Gertel & J.de Vries in Cactus & Co. 10(1): 41. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia arenacea* var. *menesesii* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 ≡ *Weingartia arenacea* subsp. *menesesii* (Cárdenas) Lodé in Cact.-Avent. Int. 98(Suppl.): 9. 2013 syn. sec. Kiesling & al. (2014)
 = *Sulcorebutia xanthoantha* Backeb., Kakteenlex.: 418. 1966 syn. sec. Kiesling & al. (2014)
 = *Sulcorebutia muschii* R.Vásquez in Succulenta (Netherlands) 53(3): 43. 1974 syn. sec. Kiesling & al. (2014) ≡ *Weingartia muschii* (R.Vásquez) F.H.Brandt in Kakteen Orch. Rundschau 4: 6. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia menesesii* var. *muschii* (R.Vásquez) Buining & Donald in Succulenta (Netherlands) 65(10): 208. 1986 syn. sec. Kiesling & al. (2014)
 = *Sulcorebutia menesesii* var. *kamiensis* Brederoo & Donald in Succulenta (Netherlands) 65(8): 155. 1986 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia candiae* var. *kamiensis* (Brederoo & Donald) K.Augustin & Gertel, *Sulcorebutia: Kakteenzw. Boliv. Anden*: 69. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia arenacea* var. *kamiensis* (Brederoo & Donald) Gertel & J.de Vries in Cactus & Co. 10(1): 41. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia arenacea* var. *kamiensis* (Brederoo & Donald) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 ≡ *Weingartia arenacea* subsp. *kamiensis* (Brederoo & Donald) Lodé in Cact.-Avent. Int. 98(Suppl.): 9. 2013 syn. sec. Kiesling & al. (2014)
- Weingartia azurduyensis* (Gertel, Jucker & J.de Vries) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008.** Sec. Kiesling & al. (2014)
 ≡ *Sulcorebutia azurduyensis* Gertel, Jucker & J.de Vries in Kakteen And. Sukk. 57(9): 239. 2006 syn. sec. Kiesling & al. (2014)
 = *Sulcorebutia sormae* Heřtus, Horáček & Slaba in Kaktusy (Brno) 47: 31. 2011 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia azurduyensis* var. *sormae* (Heřtus, Horáček & Slaba) Gertel & Jucker in Succulenta (Netherlands) 91(3): 120. 2012 syn. sec. Kiesling & al. (2014)
- Weingartia breviflora* (Backeb.) F.H.Brandt in Frankfurter Kakteenf. 5(2): 17. 1978.** Sec. Egli (2021)
 ≡ *Sulcorebutia breviflora* Backeb., Kakteenlex.: 414. 1966 ≡ *Rebutia breviflora* (Backeb.) D.R.Hunt in Cactaceae Syst. Init. 14: 19. 2002 syn. sec. Hunt (2016) ≡ *Weingartia breviflora* (Backeb.) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 ≡ *Sulcorebutia breviflora* var. *breviflora*
 = *Rebutia caineana* Cárdenas in Cact. Succ. J. (Los Angeles) 38(4): 143. 1966 syn. sec. Hunt (2016) ≡ *Sulcorebutia caineana* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43: 38. 1971 syn. sec. Ritz & al. (2007) ≡ *Weingartia caineana* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Ritz & al. (2007)
 = *Rebutia haseltonii* Cárdenas in Cact. Succ. J. (Los Angeles) 38(4): 143. 1966 syn. sec. Hunt (2016) ≡ *Sulcorebutia haseltonii* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43(1): 38. 1971 syn. sec. Ritz & al. (2007) ≡ *Weingartia haseltonii* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 3: 95. 1978 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia breviflora* subsp. *haseltonii* (Cárdenas) Fritz in Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl. 14(5): 75. 2001 syn. sec. Ritz & al. (2007) ≡ *Weingartia breviflora* var. *haseltonii* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 ≡ *Weingartia breviflora* subsp. *haseltonii* (Cárdenas) Lodé in Cact.-Avent. Int. 98(Suppl.): 9. 2013 syn. sec. Ritz & al. (2007) – *Sulcorebutia breviflora* var. *haseltonii* (Cárdenas) Diers in Kakteen And. Sukk. 42(4): 98. 1991, nom. inval. syn. sec. Ritz & al. (2007)
 = *Sulcorebutia breviflora* subvar. *viridior* Diers in Kakteen And. Sukk. 42: 101, fig. 98. 1991 syn. sec. Ritz & al. (2007)
 = *Sulcorebutia breviflora* var. *loui* Diers in Kakteen And. Sukk. 42: 100, fig. 4. 1991 syn. sec. Ritz & al. (2007) ≡ *Sulcorebutia breviflora* subsp. *loui* (Diers) Fritz in Tijdschr. Liefhebb. Cact. Vetpl. Kamerpl. 14(5): 75. 2001 syn. sec. Ritz & al. (2007) ≡ *Weingartia breviflora* var. *loui* (Diers) Hentzschel & K.Augustin in Gymnocalycium 21: 777. 2008 ≡ *Weingartia breviflora* subsp. *loui* (Diers) Lodé in Cact.-Avent. Int. 98(Suppl.): 9. 2013 syn. sec. Ritz & al. (2007)
- Weingartia canigueralii* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 17. 1978.** Sec. Kiesling & al. (2014)
 ≡ *Rebutia canigueralii* Cárdenas in Cact. Succ. J. (Los Angeles) 36: 26. 1964 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia canigueralii* (Cárdenas) Buining & Donald in Cact. Succ. J. Gr. Brit. 27(3): 57. 1965 syn. sec. Kiesling & al. (2014)

- = *Sulcorebutia tarabucoensis* Rausch in Kakteen And. Sukk. 15(5): 91–92. 1964 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarabucoensis* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 1979(5): 69. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* var. *tarabucoensis*
- = *Aylostera zavaletae* Cárdenas in Kakteen And. Sukk. 16: 177. 1965 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia zavaletae* (Cárdenas) Backeb., Kakteenlex.: 460. 1966 syn. sec. Kiesling & al. (2014) ≡ *Weingartia zavaletae* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia rauschii* G.Frank in Kakteen And. Sukk. 20: 238. 1969 syn. sec. Kiesling & al. (2014) ≡ *Weingartia rauschii* (G.Frank) F.H.Brandt in Kakteen Orch. Rundschau 3: 95. 1978 syn. sec. Kiesling & al. (2014) ≡ *Rebutia rauschii* (G.Frank) D.R.Hunt, Eur. Gard. Fl. 3: 245. 1989, nom. illeg. syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* subsp. *rauschii* (G.Frank) Halda & Malina in Acta Mus. Richnov., Sect. Nat., 14(4): 95. 2007 syn. sec. Kiesling & al. (2014)
- = *Rebutia caracarensis* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 37. 1970 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia caracarensis* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43(1): 36–40. 1971 syn. sec. Kiesling & al. (2014) ≡ *Weingartia caracarensis* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Kiesling & al. (2014)
- = *Rebutia inflexiseta* Cárdenas in Cact. Succ. J. (Los Angeles) 42: 36. 1970 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia inflexiseta* (Cárdenas) Donald in Cact. Succ. J. (Los Angeles) 43(1): 38. 1971 syn. sec. Kiesling & al. (2014) ≡ *Weingartia inflexiseta* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 5: 5. 1980 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia frankiana* Rausch in Kakteen And. Sukk. 21(6): 104–105. 1970 syn. sec. Kiesling & al. (2014) ≡ *Weingartia frankiana* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 3: 95. 1978 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia alba* Rausch in Succulenta (Netherlands) 50(5): 94. 1971 syn. sec. Kiesling & al. (2014) ≡ *Weingartia alba* (Rausch) F.H.Brandt in Frankfurter Kakteenf. 5(2): 17. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vasqueziana* subsp. *alba* (Rausch) Fritz & Gertel in Inform.-brief Freundeskreis Echinopseer 31: 13. 2001 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia verticillacantha* var. *aureiflora* Rausch in Kakteen And. Sukk. 23(5): 123. 1972 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* var. *aureiflora* (Rausch) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 136. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* subsp. *aureiflora* (Rausch) Horáček in Acta Mus. Richnov., Sect. Nat., 14(4): 95. 2007 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarabucoensis* var. *aureiflora* (Rausch) Hentzschel & K.Augustin in Gymnocalcium 21: 781. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia verticillacantha* var. *cuprea* Rausch in Kakteen And. Sukk. 23(5): 124. 1972 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia verticillacantha* subsp. *cuprea* (Rausch) Slaba in Kaktusy (Brno) 42(3): 69. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia cuprea* (Rausch) Hentzschel & K.Augustin in Gymnocalcium 21: 778. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia vasqueziana* var. *albspina* Rausch in Succulenta (Netherlands) 52(12): 222. 1973 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia verticillacantha* var. *albspina* (Rausch) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 95. 1985 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia losenickyana* var. *albspina* (Rausch) Slaba in Kaktusy (Brno) 39(2): 39. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia frankiana* var. *aureispina* Rausch in Succulenta (Netherlands) 52(1): 2–3. 1974 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia losenickyana* Rausch in Kakteen And. Sukk. 25(3): 49. 1974 syn. sec. Kiesling & al. (2014) ≡ *Weingartia losenickyana* (Rausch) F.H.Brandt in Frankfurter Kakteenf. 5(2): 18. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia verticillacantha* var. *losenickyana* (Rausch) Oeser in Kakteen And. Sukk. 35: 223. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vasqueziana* subsp. *losenickyana* (Rausch) Gertel & Šida in Inform.-brief Freundeskreis Echinopseer 31: 13. 2001 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vasqueziana* var. *losenickyana* (Rausch) Sida in Atlas Kaktusu 19: t. 39. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia vasqueziana* var. *losenickyana* (Rausch) Hentzschel & K.Augustin in Gymnocalcium 21: 782. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia vasqueziana* subsp. *losenickyana* (Rausch) Lodé in Cact.-Avent. Int. 98(Suppl.): 11. 2013 syn. sec. Kiesling & al. (2014)
- = *Weingartia ritteri* F.H.Brandt in Kakteen Orch. Rundschau 1978(3): 76. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia ritteri* (F.H.Brandt) F.Ritter, Kakteen Südamerika 2: 645. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia verticillacantha* var. *ritteri* (F.H.Brandt) Donald & Krahn in Cact. Succ. J. Gr. Brit. 42: 38. 1980 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia verticillacantha* var. *applanata* Donald & Krahn in Cact. Succ. J. Gr. Brit. 42(2): 37. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia canigueralii* var. *applanata* (Donald & Krahn) Horáček in Acta Mus. Richnov., Sect. Nat., 14(4): 93. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia verticillacantha* var. *verticosior* F.Ritter in Natl. Cact. Succ. J. 42(2): 38. 1980 syn. sec. Kiesling & al. (2014)
- = *Weingartia aureispina* F.H.Brandt in Frankfurter Kakteenf. 7: 113. 1980 syn. sec. Kiesling & al. (2014)
- = *Weingartia brevispina* F.H.Brandt in Kakteen Orch. Rundschau 1980(2): 14. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia brevispina* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 41. 1985 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia verticillacantha* f. *brevispina* (F.H.Brandt) Pilbeam ex Rausch, Sulcorebutia & Weingartia: Coll. Guide: 97. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia callecallsensis* F.H.Brandt in Letzeb. Cacteeffren 2(3): 1–6. 1981 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia callecallsensis* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 41. 1985 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* var. *callecallsensis* (F.H.Brandt) K.Augustin & Gertel, Sulcorebutia: Kakteenzw. Boliv. Anden: 136. 2000 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarabucoensis* var. *callecallsensis* (F.H.Brandt) Hentzschel & K.Augustin in Gymnocalcium 21: 781. 2008
- = *Weingartia saxatilis* F.H.Brandt in Frankfurter Kakteenf. 8(1): 201–203. 1981 syn. sec. Kiesling & al. (2014)
- = *Weingartia perplexiflora* F.H.Brandt in Letzeb. Cacteeffren 3(8): i–vi. 1982 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia perplexiflora* (F.H.Brandt) Gertel in Kakteen And. Sukk. 36(3): 50. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia albaoides* F.H.Brandt in Letzeb. Cacteeffren 4(8): 2–8. 1983 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia albaoides* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 36. 1985 syn. sec. Kiesling & al. (2014)

- = *Weingartia albaoides* subsp. *subfusca* F.H.Brandt in Letzeb. Cacteeffren 4(11): 1. 1983 syn. sec. Kiesling & al. (2014) ≡ *Weingartia albaoides* subsp. *subfusca* F.H.Brandt in Letzeb. Cacteeffren 4(11): 1–7. 1983 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia albaoides* var. *subfusca* (F.H.Brandt) Pilbeam, *Sulcorebutia* & *Weingartia*: Coll. Guide: 36. 1985 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia verticillacantha* var. *chatajillensis* Oeser & Brederoo in Kakteen And. Sukk. 35(10): 222. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia losenickyana* var. *chatajillensis* (Oeser & Brederoo) K. Augustin & Gertel, *Sulcorebutia*: Kakteenzw. Boliv. Anden: 95. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vasqueziana* subsp. *chatajillensis* (Oeser & Brederoo) Gertel & Šída in Inform.-brief Freundeskreis Echinopseen 31: 13. 2001 syn. sec. Kiesling & al. (2014)
- = *Weingartia croceareolata* F.H.Brandt in Kakteen Orch. Rundschau 1984(4): 74. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia croceareolata* (F.H.Brandt) Pilbeam, *Sulcorebutia* & *Weingartia*, *Sulcorebutia* & *Weingartia*: Coll. Guide: 47. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia pasopayana* F.H.Brandt in Kakteen Orch. Rundschau 1984(3): 54. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia pasopayana* (F.H.Brandt) Gertel in Kakteen And. Sukk. 42(7): 176. 1991 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* subsp. *pasopayana* (F.H.Brandt) Gertel syn. sec. Kiesling & al. (2014)
- = *Weingartia rubroaurea* F.H.Brandt in Kakteen Orch. Rundschau 9: 35. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia rubroaurea* (F.H.Brandt) Pilbeam, *Sulcorebutia* & *Weingartia*: Coll. Guide: 76. 1985 syn. sec. Kiesling & al. (2014) – *Weingartia rubro-aurea* F.H.Brandt in Kakteen Orch. Rundschau 1984(2): 35. 1984, nom. inval. syn. sec. Kiesling & al. (2014)
- = *Weingartia tarabucina* F.H.Brandt in Letzeb. Cacteeffren 6(4): 57–62. 1985 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia fischeriana* K. Augustin in Kakteen And. Sukk. 38(9): 216. 1987 syn. sec. Kiesling & al. (2014) ≡ *Weingartia fischeriana* (K. Augustin) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008
- = *Sulcorebutia gemmae* Mosti & Rovida in *Cactus & Co.* 4: 174. 2000 syn. sec. Kiesling & al. (2014) ≡ *Weingartia gemmae* (Mosti & Rovida) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia christiei* B. Bates, Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 10(2): 152. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia pulchra* subsp. *lenkae* Halda, Heřtus & Horáček in *Acta Mus. Richnov.* 10(2): 156. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia tarabucoensis* subsp. *patriciae* B. Bates, Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 10(2): 156–157. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia vasqueziana* subsp. *pedroensis* Halda, Heřtus & Horáček in *Acta Mus. Richnov.* 10(2): 157. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia elizabethae* J. de Vries in *Succulenta (Netherlands)* 83(1): 34. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia elizabethae* (J. de Vries) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia gemmae* var. *elizabethae* (J. de Vries) Gertel, *Echinopseen* 8(2): 58. 2011
- = *Sulcorebutia naunacaensis* J. de Vries in *Succulenta (Netherlands)* 83(1): 35. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia naunacaensis* (J. de Vries) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008 syn. sec. Kew WCVP (2019) ≡ *Weingartia gemmae* subsp. *naunacaensis* (J. de Vries) Gertel, *Echinopseen* 8(2): 58. 2011 ≡ *Weingartia gemmae* var. *naunacaensis* (J. de Vries) Gertel, *Echinopseen* 8(2): 58. 2011
- = *Sulcorebutia tarabucoensis* subsp. *lindae* Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 12(1): 9. 2005 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia cantargalloensis* Gertel, Jucker & J. de Vries in *Kakteen And. Sukk.* 57(2): 43. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia cantargalloensis* (Gertel, Jucker & J. de Vries) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia frankiana* var. *intermedia* Slaba & Šorma in *Kaktusy (Brno)* 43(2): 59. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia frankiana* var. *rectispina* Slaba & Šorma in *Kaktusy (Brno)* 43(2): 58. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia frankiana* var. *variabilis* Slaba & Šorma in *Kaktusy (Brno)* 43(2): 60. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia pulchra* var. *albiareolata* Slaba & Šorma in *Kaktusy (Brno)* 43(1): 14. 2007 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia albiareolata* (Slaba & Šorma) J. de Vries in *Succulenta (Netherlands)* 91: 66. 2012
- = *Sulcorebutia pulchra* var. *longispina* Slaba & Šorma in *Kaktusy (Brno)* 43(1): 13. 2007 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia callichroma* var. *longispina* (Slaba & Šorma) J. de Vries in *Succulenta (Netherlands)* 91: 64. 2012
- = *Sulcorebutia heliosoides* P. Lechner & A. Draxler in *Kakteen And. Sukk.* 53(3): 62. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia heliosoides* (P. Lechner & Draxler) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia callichroma* J. de Vries in *Succulenta (Netherlands)* 91: 62. 2012 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia crispata* var. *muelleri* Gertel in *Succulenta (Netherlands)* 91: 208. 2012 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia arachnites* Slaba & Šorma in *Kaktusy (Brno)* 50(Special 1): 5. 2014 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia luteiflora* J. de Vries in *Succulenta (Netherlands)* 93: 14. 2014 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia slabana* Horáček in *Kaktusy (Brno)* 50: 113. 2014 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia cantargalloensis* var. *torrepampensis* Gertel & Jucker in *Cact. Explor.* 15: 30. 2016 syn. sec. Kew WCVP (2019)
- Weingartia cardenasiana* (R. Vásquez) F.H. Brandt in Frankfurter Kakteenf. 5: 17. 1978.** Sec. Kiesling & al. (2014)
- ≡ *Sulcorebutia cardenasiana* R. Vásquez in *Kakteen And. Sukk.* 26: 49. 1975 syn. sec. Kiesling & al. (2014) ≡ *Rebutia cardenasiana* (R. Vásquez) G. Navarro in *Lazaroa* 17: 76. 1996 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia langeri* K. Augustin & Hentzschel in *Kakteen And. Sukk.* 50(8): 201. 1999 syn. sec. Kiesling & al. (2014) ≡ *Weingartia langeri* (K. Augustin & Hentzschel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008

- = *Sulcorebutia vargasii* Diers & Krahn in *Kakteen And. Sukk.* 56(11): 282. 2005 syn. sec. Kiesling & al. (2014) ≡ *Weingartia vargasii* (Diers & Krahn) Hentzschel & K. Augustin in *Gymnocalycium* 21: 782. 2008
- = *Sulcorebutia vargasii* var. *viridissima* Diers & Krahn in *Succulenta (Netherlands)* 85(1): 13. 2006 syn. sec. Kiesling & al. (2014) ≡ *Weingartia vargasii* var. *viridissima* (Diers & Krahn) Hentzschel & K. Augustin in *Gymnocalycium* 21: 782. 2008 syn. sec. Kiesling & al. (2014)
- Weingartia cintia* (Hjertson) Hentzschel & K. Augustin in *Gymnocalycium* 21(2): 775. 2008. Sec. Egli (2021)**
- ≡ *Rebutia cintia* Hjertson in *Cactaceae Syst. Init.* 15: 10. 2003 syn. sec. Egli (2021)
- = *Cintia knizei* Řiha in *Kaktusy (Brno)* 31(2): 38. 1995 syn. sec. Egli (2021) ≡ *Copiapoa knizei* (Řiha) Halda in *Cactaceae etc.* 8: 134. 1998 syn. sec. Egli (2021)
- Weingartia crispata* (Rausch) F.H.Brandt in *Frankfurter Kakteenf.* 5(2): 18. 1978. Sec. Kiesling & al. (2014)**
- ≡ *Sulcorebutia crispata* Rausch in *Kakteen And. Sukk.* 21(6): 102. 1970 syn. sec. Korotkova (2021) ≡ *Rebutia canigueralii* subsp. *crispata* (Rausch) Donald ex D.R.Hunt in *Cactaceae Consensus Init.* 3: 6. 1997 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia crispata* subsp. *aureicapillata* Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 7(2): 74. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia hertusii* subsp. *aureicapillata* (Halda, Heřtus & Horáček) Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 8(1): 34. 2001 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia crispata* subsp. *auricapillata* Halda, Heřtus & Horáček squalm. syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia crispata* var. *auricapillata* Halda, Heřtus & Horáček, nom. inval. syn. sec. TPL (2013) – *Sulcorebutia hertusii* var. *auricapillata* (Halda, Heřtus & Horáček) Halda, Heřtus & Horáček, nom. inval. syn. sec. TPL (2013)
- = *Sulcorebutia crispata* subsp. *hertusii* Halda & Horáček in *Acta Mus. Richnov.* 7(2): 74. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia hertusii* (Halda & Horáček) Halda & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 8(1): 34. 2001 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tarabucoensis* subsp. *hertusii* (Halda & Horáček) Gertel & R.Wahl in *Kakteen And. Sukk.* 55(1): 12. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia crispata* var. *hertusii* (Halda & Horáček) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008 syn. sec. Korotkova (2021) ≡ *Weingartia crispata* subsp. *hertusii* (Halda & Horáček) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 10. 2013 syn. sec. Korotkova (2021) – *Weingartia crispata* subsp. *hertusii* (Halda & Horáček) Lodé syn. sec. Kiesling & al. (2014) [is misspelling for *Weingartia crispata* subsp. *hertusii* (Halda & Horáček) Lodé]
- = *Sulcorebutia gerosenilis* Řiha & Arandia in *Kaktusy (Brno)* 37: 88. 2001 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia roberto-vasquezii* Diers & Krahn in *Kakteen And. Sukk.* 56(8): 213. 2005 syn. sec. Kiesling & al. (2014) ≡ *Weingartia roberto-vasquezii* (Diers & Krahn) Hentzschel & K. Augustin in *Gymnocalycium* 21: 780. 2008
- = *Sulcorebutia tarvitaensis* Gertel & P. Lechner in *Kakteen And. Sukk.* 59: 32. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarvitaensis* (Gertel & P. Lechner) Hentzschel & K. Augustin in *Gymnocalycium* 21: 781. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia viridis* P. Lechner & A. Draxler in *Kakteen And. Sukk.* 61(3): 67. 2010 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia atropinosa* J. de Vries in *Succulenta (Netherlands)* 90(1): 11. 2011 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia lamprochlora* J. de Vries in *Succulenta (Netherlands)* 90(1): 12. 2011 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia canigueralii* var. *atropurpurea* Rausch syn. sec. Kiesling & al. (2014)
- Weingartia cylindrica* (Donald & A.B.Lau) F.H.Brandt in *Kakteen Orch. Rundschau* S2: 40. 1978. Sec. Kiesling & al. (2014)**
- ≡ *Sulcorebutia cylindrica* Donald & A.B.Lau in *Ashingtonia* 1: 56. 1974 syn. sec. Kiesling & al. (2014) ≡ *Rebutia cylindrica* (Donald & A.B.Lau) Donald in *Bradleya* 5: 93. 1987 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* subsp. *cylindrica* (Donald & A.B.Lau) Gertel & J. de Vries in *Cactus & Co.* 12(4): 264. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* var. *cylindrica* (Donald & A.B.Lau) Gertel & J. de Vries in *Cactus & Co.* 12(4): 264. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia confusa* Halda, Heřtus & Horáček in *Acta Mus. Richnov.* 10(2): 154. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia cylindrica* var. *crucensis* Donald ex Gertel in *Kakteen And. Sukk.* 55(7): 200. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia cylindrica* var. *crucensis* (Donald ex Gertel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008 ≡ *Weingartia cylindrica* subsp. *crucensis* (Donald ex Gertel) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 10. 2013 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* var. *crucensis* (Donald ex Gertel) Gertel & J. de Vries syn. sec. Kiesling & al. (2014)
- Weingartia dorana* (Gertel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 778. 2008. Sec. Kiesling & al. (2014)**
- ≡ *Sulcorebutia dorana* Gertel in *Kakteen And. Sukk.* 54(2): 31. 2003 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia purpurea* subsp. *dorana* (Gertel) Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 12(1): 9. 2005 syn. sec. Kiesling & al. (2014)
- Weingartia fidana* (Backeb.) Werderm. in *Kakteenkunde* 1937: 21. 1937. Sec. Kiesling & al. (2014)**
- ≡ *Echinocactus fidaianus* Backeb. in *Kakteen-Freund* 1: 104, 117. 1933 syn. sec. Kiesling & al. (2014) ≡ *Spegazzinia fidaana* Backeb. in *Blätt. Kakteenf.* 1934(4): 4, genus 75, sp. 2. 1934 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium fidaianum* (Backeb.) Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 11. 1957 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia fidaana* (Backeb.) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Rebutia fidaana* (Backeb.) D.R.Hunt in *Bradleya* 5: 94. 1987 syn. sec. Kiesling & al. (2014)
- = *Echinocactus neumannianus* Backeb. in *Kakteen-Freund* 2: 90–91. 1933 syn. sec. Egli (2021) ≡ *Spegazzinia neumanniana* (Backeb.) Backeb. in *Blätt. Kakteenf.* 1934(4): 3. 1934 syn. sec. Egli (2021) ≡ *Weingartia neumanniana* (Backeb.) Werderm. in *Kakteenkunde* 1937: 21. 1937 syn. sec. Egli (2021) ≡ *Gymnocalycium neumannianum* (Backeb.) Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 11. 1957 syn. sec. Egli (2021) ≡ *Sulcorebutia neumanniana* (Backeb.) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Egli (2021) ≡ *Weingartia neoneumanniana* Y.Itô, *Cactaceae*: 367. 1981 syn. sec. Egli (2021) [is replaced synonym for *Echinocactus neumannianus* Backeb.] ≡ *Rebutia neumanniana* (Werderm.) D.R.Hunt in *Bradleya* 5: 94. 1987 syn. sec. Egli (2021)

- = *Weingartia neumanniana* var. *aurantia* Backeb., Descr. Cact. Nov. 3: 15. 1963 syn. sec. Kew WCVP (2019)
- = *Weingartia lecoriensis* Cárdenas in Cactus (Paris) 82: 47. 1964 syn. sec. Tropicos ≡ *Sulcorebutia lecoriensis* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Tropicos ≡ *Weingartia westii* var. *lecoriensis* (Cárdenas) Donald in Ashingtonia 3(Suppl.): 138. 1978 syn. sec. Kew WCVP (2019)
- = *Weingartia kargliana* Rausch in Kakteen And. Sukk. 30(5): 106. 1979 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neumanniana* subsp. *kargliana* (Rausch) Slaba in Kaktusy (Brno) 35: 71. 1999
- = *Weingartia pygmaea* F.Ritter, Kakteen Südamerika 2: 652. 1980 syn. sec. Tropicos ≡ *Weingartia neumanniana* subsp. *pygmaea* (F.Ritter) Slaba in Kaktusy (Brno) Special 2: 19. 2020 syn. sec. Korotkova (2021)
- = *Weingartia fidana* subsp. *amerhauseri* K.Augustin in Gymnocalycium 19: 685. 2006 syn. sec. Kew WCVP (2019) ≡ *Weingartia neumanniana* subsp. *amerhauseri* (K.Augustin) Slaba in Kaktusy (Brno) Special 2: 21. 2020 syn. sec. Korotkova (2021)
- = *Weingartia neumanniana* subsp. *dagmariana* Slaba, Lad.Fisch. & Sochůrek in Kaktusy (Brno) Special 2: 25. 2020 syn. sec. Korotkova (2021)
- Weingartia fidana* subsp. *cintiensis* (Cárdenas) Donald in Ashingtonia 3: 139. 1979.** Sec. Kiesling & al. (2014)
- ≡ *Weingartia cintiensis* Cárdenas in Rev. Agric., Cochabamba No. 10: 9. 1958 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium cintiense* (Cárdenas) Hutchison in Natl. Cact. Succ. J. 14: 38. 1959 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia cintiensis* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Rebutia fidana* subsp. *cintiensis* (Cárdenas) D.R.Hunt in Cactaceae Consensus Init. 4: 7. 1997 syn. sec. Kiesling & al. (2014)
- Weingartia fidana* subsp. *fidana*.** Sec. Kiesling & al. (2014)
- Weingartia juckeri* (Gertel) Hentzschel & K.Augustin in Gymnocalycium 21: 779. 2008.** Sec. Kiesling & al. (2014)
- ≡ *Sulcorebutia juckeri* Gertel in Kakteen And. Sukk. 55(12): 334. 2004 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia trojapampensis* Gertel & Jucker in Kakteen And. Sukk. 63(5): 128. 2012 syn. sec. Kiesling & al. (2014)
- Weingartia kruegerae* (Cárdenas) F.H.Brandt in Kakteen Orch. Rundschau 1977: 70. 1977.** Sec. Kiesling & al. (2014)
- ≡ *Aylosteria kruegerae* Cárdenas in Cactus (Paris) 57: 260-261. 1957 syn. sec. Kiesling & al. (2014) ≡ *Rebutia kruegerae* (Cárdenas) Backeb., Cactaceae 3: 1554. 1959 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia kruegerae* (Cárdenas) F.Ritter in Natl. Cact. Succ. J. 16(4): 81. 1961 syn. sec. Kiesling & al. (2014) ≡ *Rebutia steinbachii* subsp. *kruegerae* (Cárdenas) D.R.Hunt in Cactaceae Consensus Init. 3: 6. 1997 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* subsp. *kruegerae* (Cárdenas) Fritz, Gertel & J.de Vries in Cactus & Co. 8(3): 188. 2004 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *kruegerae* (Cárdenas) Fritz, Gertel & J.de Vries in Cactus & Co. 8(3): 188. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia steinbachii* subsp. *kruegerae* (Cárdenas) Hentzschel & K.Augustin in Gymnocalycium 21(2): 780. 2008 syn. sec. Kiesling & al. (2014)
- Weingartia mentosa* (F.Ritter) F.H.Brandt in Kakteen Orch. Rundschau 1979(1): 6. 1979.** Sec. Kiesling & al. (2014)
- ≡ *Sulcorebutia mentosa* F.Ritter in Succulenta (Netherlands) 43: 102. 1964 syn. sec. Kiesling & al. (2014) ≡ *Rebutia mentosa* (F.Ritter) Donald in Bradleya 5: 93. 1987 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia mentosa* var. *mentosa*
- = *Sulcorebutia flavissima* Rausch in Kakteen And. Sukk. 21(6): 105. 1970 syn. sec. Kiesling & al. (2014) ≡ *Weingartia flavissima* (Rausch) F.H.Brandt in Kakteen Orch. Rundschau 4: 69. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia mentosa* subsp. *flavissima* (Rausch) Sida in Atlas Kaktusu 19: t. 33. 2004 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia markusii* Rausch in Kakteen And. Sukk. 21(6): 103-104. 1970 syn. sec. Kiesling & al. (2014) ≡ *Weingartia markusii* (Rausch) F.H.Brandt in Frankfurter Kakteenf. 5(2): 18. 1978 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* subsp. *markusii* (Rausch) Gertel & J.de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *markusii* (Rausch) Fritz, Gertel & J.de Vries in Cactus & Co. 8(3): 189. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia steinbachii* subsp. *markusii* (Rausch) Gertel & J.de Vries in Echinopseen 6: 16. 2009 syn. sec. Kiesling & al. (2014)
- = *Weingartia torotorensis* Cárdenas in Cact. Succ. J. (Los Angeles) 43(6): 243, f. 2. 1971 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia torotorensis* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3(3): 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Cinnabarinea torotorensis* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 637. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* subsp. *torotorensis* (Cárdenas) Gertel & J.de Vries in Cactus & Co. 11(3): 158. 2007 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia toroterensis* (Cárdenas) Brederoo & Donald in Kakteen And. Sukk. 32: 273. 1981 syn. sec. Korotkova (2021)
- = *Weingartia formosa* F.H.Brandt in Kakteen Orch. Rundschau 1979(4): 47. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia formosa* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 50. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia albissima* F.H.Brandt in Kakteen Orch. Rundschau 5(1): 1-4. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia albissima* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 37. 1985 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* var. *albissima* (F.H.Brandt) Hentzschel & K.Augustin in Gymnocalycium 21(2): 779. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* subsp. *albissima* (F.H.Brandt) Lodé in Cact.-Avent. Int. 98(Suppl.): 10. 2013 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia mentosa* subsp. *albissima* (F.H.Brandt) Gertel syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia mentosa* var. *albissima* (F.H.Brandt) Gertel syn. sec. Kiesling & al. (2014)
- = *Weingartia flavida* F.H.Brandt in Letzeb. Cacteeffren 2(6): 3-9. 1981 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia flavida* (F.H.Brandt) Pilbeam, Sulcorebutia & Weingartia: Coll. Guide: 49. 1985 syn. sec. Kiesling & al. (2014)

- = *Sulcorebutia swobodae* K. Augustin in *Kakteen And. Sukk.* 35(6): 120–122. 1984 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia mentosa* var. *swobodae* (K. Augustin) K. Augustin, *Sulcorebutia: Kakteenzw. Boliv. Anden*: 110. 2000 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* var. *swobodae* (K. Augustin) Hentzschel & K. Augustin in *Gymnocalycium* 21(2): 779. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia mentosa* subsp. *swobodae* (K. Augustin) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 10. 2013 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia augustinii* Hentzschel in *Succulenta (Netherlands)* 68(7–8): 147. 1989 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* var. *augustinii* (Hentzschel) Gertel & J. de Vries in *Cactus & Co.* 11(3): 158. 2007 syn. sec. Kiesling & al. (2014) ≡ *Weingartia augustinii* (Hentzschel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 777. 2008 syn. sec. Tropicos ≡ *Weingartia tiraquensis* var. *augustini* (Hentzschel) Gertel & J. de Vries, *Echinopseen* 6: 20. 2009 – *Weingartia augustini* (Hentzschel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 777. 2008 syn. sec. TPL (2013) [is orthographic variant for *Weingartia augustinii* (Hentzschel) Hentzschel & K. Augustin]
- = *Sulcorebutia markusii* subsp. *tintiniensis* Gertel in *Cactus & Co.* 4(4): 167. 2000 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* var. *tintiniensis* (Gertel) Gertel & J. de Vries in *Cactus & Co.* 8(3): 189. 2004 syn. sec. Kiesling & al. (2014) ≡ *Weingartia markusii* var. *tintiniensis* (Gertel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia steinbachii* var. *tintiniensis* (Gertel) Gertel & J. de Vries in *Echinopseen* 6: 16. 2009
- = *Sulcorebutia augustini* var. *jakubeciana* Halda, Heftus & Horáček in *Acta Mus. Richnov., Sect. Nat.*, 10: 152. 2003 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia augustinii* var. *jakubeciana* Halda, Heftus & Horáček in *Acta Mus. Richnov.* 10(2): 152. 2003 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia sedae* Heftus, Horáček & Kunte in *Kaktusy (Brno)* 49: 122. 2013 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia mentosa* subsp. *purpurea* (Donald & A.B.Lau) Gertel syn. sec. Korotkova (2021) ≡ *Sulcorebutia mentosa* var. *purpurea* (Donald & A.B.Lau) Gertel syn. sec. Korotkova (2021)
- = *Sulcorebutia mentosa* var. *santiaginiensis* (Rausch) Gertel syn. sec. Korotkova (2021)
- = *Sulcorebutia steinbachii* subvar. *augustinii* Gertel syn. sec. Kiesling & al. (2014)
- Weingartia neocumingii* Backeb. in *Kakteen And. Sukk.* 1950(2): 2. 1950. Sec. Kiesling & al. (2014)**
- ≡ *Gymnocalycium neocumingii* (Backeb.) Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 14. 1957 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia neocumingii* (Backeb.) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* (Backeb.) D.R.Hunt in *Bradleya* 5: 94. 1987 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia neocumingii* (Backeb.) Doweld in *Sukkulenty* 4: 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014)
- = *Echinocactus cumingii* Hopffer in *Allg. Gartenzeitung* 11: 225. 1843 syn. sec. Kiesling & al. (2014) ≡ *Lobivia cumingii* (Hopffer) Britton & Rose, *Cactaceae* 3: 79. 1922 syn. sec. Kiesling & al. (2014) ≡ *Bridgesia cumingii* (Hopffer) Backeb. in *Blätt. Kakteenf.* 1934(3): 5. 1934 syn. sec. Tropicos ≡ *Spegazzinia cumingii* (Hopffer) Backeb. in *Blätt. Kakteenf.* 1935(12): 3. 1935 syn. sec. Kiesling & al. (2014) ≡ *Weingartia cumingii* (Hopffer) Backeb. & Oosten in *Cactaceae (Berlin)* 1939(2): 44. 1939 syn. sec. Kiesling & al. (2014) ≡ *Gymnantha cumingii* (Hopffer) Y.Itô, *Explan. Diagn. Austroechinocactinae*: 53. 1957 syn. sec. Kew WCVP (2019) ≡ *Gymnocalycium cumingii* (Hopffer) Hutchison in *Natl. Cact. Succ. J.* 14: 38. 1959 syn. sec. Tropicos
- = *Echinocactus cumingii* Regel & Klein bis, *Index Seminum [St. Petersburg (Petropolitanus)]* 1860: 48. 1860, nom. illeg. syn. sec. Kiesling & al. (2014)
- = *Echinocactus cumingii* var. *flavispinus* Dams in *Monatsschr. Kakteenk.* 14: 77. 1904 syn. sec. Kiesling & al. (2014)
- = *Weingartia hediniana* Backeb. in *Kakteen And. Sukk.* 1950(2): 2. 1950 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* var. *hediniiana* (Backeb.) Donald in *Natl. Cact. Succ. J.* 13(4): 56. 1958 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia hediniana* (Backeb.) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia hediniana* (Backeb.) Doweld in *Sukkulenty* 4: 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* subsp. *hediniiana* (Backeb.) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 10. 2013 syn. sec. Kiesling & al. (2014)
- = *Weingartia pulquinensis* var. *corroana* Cárdenas in *Revista Agric. (Cochabamba)* 7(6): 30. 1951 syn. sec. Kiesling & al. (2014)
- = *Weingartia pulquinensis* var. *corroanus* Cárdenas in *Revista Agric. (Cochabamba)* 6: 30. 1951 syn. sec. Kiesling & al. (2014) ≡ *Gymnocalycium pulquinense* var. *corroanum* (Cárdenas) Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 13. 1957 syn. sec. Kiesling & al. (2014) ≡ *Weingartia corroana* (Cárdenas) Cárdenas in *Cactus (Paris)* 82: 49. 1964 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia pulquinensis* subsp. *corroana* (Cárdenas) Doweld in *Sukkulenty* 4(1-2): 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014)
- = *Gymnocalycium pulquinense* (Cárdenas) Hutchison in *Cact. Succ. J. (Los Angeles)* 29: 13. 1957 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia pulquinensis* (Cárdenas) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* subsp. *pulquinensis* (Cárdenas) Donald in *Ashingtonia* 3 (Weingartia Suppl.): 136. 1978 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia pulquinensis* (Cárdenas) Doweld in *Sukkulenty* 4: 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014)
- = *Weingartia erinacea* F.Ritter in *Cact. Succ. J. Gr. Brit.* 23: 8. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia erinacea* (F.Ritter) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014)
- = *Weingartia erinacea* var. *catariensis* F.Ritter in *Cact. Succ. J. Gr. Brit.* 23: 9. 1961 syn. sec. Kiesling & al. (2014)
- = *Weingartia lanata* F.Ritter in *Natl. Cact. Succ. J.* 16: 7. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia lanata* (F.Ritter) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* subsp. *lanata* (F.Ritter) D.R.Hunt in *Cactaceae Syst. Init.* 15: 11. 2003 syn. sec. Kiesling & al. (2014)
- = *Weingartia longigibba* F.Ritter in *Cact. Succ. J. Gr. Brit.* 23: 8. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia longigibba* (F.Ritter) F.H.Brandt in *Frankfurter Kakteenf.* 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia lanata* subsp. *longigibba* (F.Ritter) Donald in *Ashingtonia* 3 (Weingartia Suppl.): 138, 132. 1978 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* var. *longigibba* (F.Ritter) K. Augustin & Hentzschel in *Gymnocalycium* 15(3): 464. 2002 syn. sec. Kiesling & al. (2014)

- = *Weingartia multispina* F.Ritter in Natl. Cact. Succ. J. 16: 7. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia multispina* (F.Ritter) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* var. *multispina* (F.Ritter) Donald in Ashingtonia 3 (Weingartia Suppl.): 136. 1978 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia neocumingii* subsp. *multispina* (F.Ritter) Doweld in Sukkulenty 4(1-2): 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014)
- = *Weingartia riograndensis* F.Ritter in Cact. Succ. J. Gr. Brit. 23: 9. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia riograndensis* (F.Ritter) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia lanata* subsp. *riograndensis* (F.Ritter) Donald in Ashingtonia 3: 138, 132. 1978 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* subsp. *riograndensis* (F.Ritter) D.R.Hunt in Cactaceae Consensus Init. 4: 8. 1997 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia riograndensis* (F.Ritter) Doweld in Sukkulenty 4: 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* subsp. *riograndensis* (F.Ritter) Lodé in Cact.-Avent. Int. 98(Suppl.): 10. 2013 syn. sec. Kiesling & al. (2014)
- = *Weingartia sucrensis* F.Ritter in Natl. Cact. Succ. J. 16: 8. 1961 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia sucrensis* (F.Ritter) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* subsp. *sucrensis* (F.Ritter) Donald in Ashingtonia 3: 136. 1979 syn. sec. Kiesling & al. (2014)
- = *Weingartia pilcomayensis* Cárdenas in Cactus (Paris) 82: 44–46. 1964 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia pilcomayensis* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia lanata* subsp. *pilcomayensis* (Cárdenas) Donald in Ashingtonia 3: 138. 1979 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* subsp. *pilcomayensis* (Cárdenas) D.R.Hunt in Cactaceae Consensus Init. 4: 8. 1997 syn. sec. Kiesling & al. (2014)
- = *Weingartia platygona* Cárdenas in Cactus (Paris) 82: 50. 1964 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia platygona* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia lanata* f. *platygona* (Cárdenas) Donald in Ashingtonia 3 (Weingartia Suppl.): 138, 129. 1978 syn. sec. Kiesling & al. (2014)
- = *Rebutia corroana* Cárdenas in Cact. Succ. J. (Los Angeles) 43: 244. 1971 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia corroana* (Cárdenas) Brederoo & Donald in Succulenta (Netherlands) 52: 192. 1973 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia neocorroana* F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014)
- = *Weingartia brachygraphisa* F.H.Brandt in Kaktus (Odense) 12(1): 12. 1977 syn. sec. Kiesling & al. (2014)
- = *Weingartia knizei* F.H.Brandt in Frankfurter Kakteenf. 4(1): 67. 1977 syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *mairanensis* Donald in Ashingtonia 3: 137. 1978 syn. sec. Kiesling & al. (2014) ≡ *Weingartia pulquinensis* var. *mairanensis* (Donald) Pilbeam, *Sulcorebutia* & *Weingartia*: Coll. Guide: 124. 1985 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia pulquinensis* subsp. *mairanensis* (Donald) Doweld in Sukkulenty 4: 24. 2002 ["2001"]
- = *Weingartia trollii* Oeser in Kakteen And. Sukk. 29(6): 131. 1978 syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* var. *trollii* (Oeser) Donald in Ashingtonia 3 (Weingartia Suppl.): 137. 1978 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* subsp. *trollii* (Oeser) D.R.Hunt in Cactaceae Consensus Init. 4: 8. 1997 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia neocumingii* subsp. *trollii* (Oeser) Doweld in Sukkulenty 4(1-2): 24. 2002 ["2001"] syn. sec. Kiesling & al. (2014) ≡ *Weingartia neocumingii* subsp. *trollii* (Oeser) Lodé in Cact.-Avent. Int. 98(Suppl.): 11. 2013 syn. sec. Kiesling & al. (2014)
- = *Weingartia buiningiana* F.Ritter, Kakteen Südamerika 2: 659. 1980 syn. sec. Kiesling & al. (2014) ≡ *Gymnorebutia buiningiana* (F.Ritter) Doweld in Sukkulenty 4: 24. 2002 ["2001"] syn. sec. Kew WCVP (2019)
- = *Weingartia gracilispina* F.Ritter, Kakteen Südamerika 2: 658. 1980 syn. sec. Kiesling & al. (2014)
- = *Weingartia saetosa* F.H.Brandt in Kakteen Orch. Rundschau 5: 42. 1980 syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *koehresii* Oeser in Kakteen And. Sukk. 32: 289. 1981 syn. sec. Kiesling & al. (2014)
- = *Weingartia saipinensis* F.H.Brandt in Kakteen Orch. Rundschau 7(5): 71–74. 1982 syn. sec. Kiesling & al. (2014) ≡ *Rebutia neocumingii* subsp. *saipinensis* (F.H.Brandt) D.R.Hunt in Cactaceae Consensus Init. 4: 8. 1997 syn. sec. Kiesling & al. (2014)
- = *Weingartia mairanana* F.H.Brandt in Kakteen Orch. Rundschau 1983(3): 52. 1983 syn. sec. Kiesling & al. (2014)
- = *Weingartia neglecta* F.H.Brandt in Kakteen Orch. Rundschau 8: 32. 1983 syn. sec. Kiesling & al. (2014)
- = *Weingartia mataralensis* F.H.Brandt in Kakteen Orch. Rundschau 1984(5): 90. 1984 syn. sec. Kiesling & al. (2014)
- = *Weingartia attenuata* F.H.Brandt in Kakteen Orch. Rundschau 10: 2. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia miranda* F.H.Brandt in Kakteen Orch. Rundschau 10: 42. 1985 syn. sec. Kiesling & al. (2014)
- = *Weingartia columnaris* F.H.Brandt in Kakteen Orch. Rundschau 11: 18. 1986 syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *augustini* Amerh. in Gymnocalycium 15: 480. 2002 syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *hentscheliana* Amerh. in Gymnocalycium 15(4): 481. 2002 syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *lagarpampensis* Amerh. in Gymnocalycium 15(4): 482. 2002 syn. sec. Kiesling & al. (2014)
- = *Weingartia pucarensis* Diers & Jucker in Kakteen And. Sukk. 62(5): 129. 2011 syn. sec. Kiesling & al. (2014)
- = *Spegazzinia cumingii* var. *flavescens* Poselg. ex Backeb. syn. sec. Kiesling & al. (2014)
- = *Weingartia chuquichuquinensis* F.H.Brandt syn. sec. Kiesling & al. (2014)
- = *Weingartia coloradensis* Diers & Jucker syn. sec. Kiesling & al. (2014)
- = *Weingartia neocumingii* var. *corroana* Backeb. syn. sec. Kiesling & al. (2014)
- Weingartia pulquinensis* Cárdenas in Rev. Agric., Cochabamba 6: 26. 1951.** Sec. Kiesling & al. (2014)
- ≡ *Rebutia neocumingii* subsp. *pulquinensis* (Cárdenas) D.R.Hunt in Cactaceae Syst. Init. 15: 11. 2003 syn. sec. Kiesling & al. (2014)
- Weingartia purpurea* Donald & A.B.Lau in Ashingtonia 1(5): 53. 1974.** Sec. Kiesling & al. (2014)
- ≡ *Cinnabarinea purpurea* (Donald & A.B.Lau) F.Ritter, Kakteen Südamerika 2: 637. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia purpurea* (Donald & A.B.Lau) Brederoo & Donald in Kakteen And. Sukk. 32(11): 273. 1981 syn. sec. Kiesling & al. (2014) ≡ *Rebutia mentosa* subsp. *purpurea* (Donald & A.B.Lau) Donald ex D.R.Hunt in Cactaceae Consensus Init. 3: 6. 1997 syn. sec. Kiesling & al. (2014)

- = *Sulcorebutia santiaginiensis* Rausch in *Kakteen And. Sukk.* 30(10): 238. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia purpurea* subsp. *santiaginiensis* (Rausch) Slaba in *Kaktusy (Brno)* 42: 123. 2006 ≡ *Sulcorebutia purpurea* subsp. *santiaginiensis* (Rausch) Horáček in *Acta Mus. Richnov., Sect. Nat.,* 14(4): 93. 2007 syn. sec. Kiesling & al. (2014) ≡ *Weingartia purpurea* subsp. *santiaginiensis* (Rausch) Gertel & J.de Vries in *Cactus & Co.* 12(4): 264. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia purpurea* var. *santiaginiensis* (Rausch) Hentzschel & K. Augustin in *Gymnocalycium* 21(2): 780. 2008 syn. sec. Kiesling & al. (2014) ≡ *Weingartia purpurea* subsp. *santiaginiensis* (Rausch) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 11. 2013 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia unguispina* Rausch in *Succulenta (Netherlands)* 64(6): 132. 1985 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia purpurea* var. *unguispina* (Rausch) K. Augustin & Gertel, *Sulcorebutia: Kakteenzw. Boliv. Anden:* 123. 2000 syn. sec. Kiesling & al. (2014) ≡ *Weingartia purpurea* var. *unguispina* (Rausch) Hentzschel & K. Augustin in *Gymnocalycium* 21(2): 780. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia purpurea* subsp. *nadae* Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 12(1): 9. 2005 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia horacekii* Slaba in *Kaktusy (Brno)* 43(4): 124. 2007 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia purpurea* subsp. *horacekii* (Slaba) Halda & Malina in *Acta Mus. Richnov., Sect. Nat.,* 14(4): 94. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia purpurea* subsp. *gigantea* Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 14(4): 93-94. 2007 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia purpurea* subsp. *jolantae* Halda, Heřtus & Horáček in *Acta Mus. Richnov., Sect. Nat.,* 14(4): 94-95. 2007 syn. sec. Kiesling & al. (2014)
- Weingartia tarijensis* F.H.Brandt in *Kakteen Orch. Rundschau* 1978(5): 93. 1978. Sec. Kiesling & al. (2014)**
- ≡ *Sulcorebutia tarijensis* F.Ritter in *Ashingtonia* 3(1): 13. 1978 syn. sec. Kiesling & al. (2014)
- = *Weingartia oligacantha* F.H.Brandt in *Kakteen Orch. Rundschau* 1979(1): 3. 1979 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia oligacantha* (F.H.Brandt) Pilbeam, *Sulcorebutia & Weingartia: Coll. Guide:* 67. 1985 syn. sec. Kiesling & al. (2014) ≡ *Rebutia oligacantha* (F.H.Brandt) Donald ex D.R.Hunt in *Cactaceae Consensus Init.* 3: 6. 1997 syn. sec. Kiesling & al. (2014)
- = *Weingartia sanguineo-tarijensis* F.H.Brandt in *Kakteen Orch. Rundschau* 1980(3): 30. 1980 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia sanguineo-tarijensis* (F.H.Brandt) Pilbeam, *Sulcorebutia & Weingartia: Coll. Guide:* 76. 1985 syn. sec. Tropicos
- = *Sulcorebutia tarijensis* subsp. *carichimayuensis* K. Augustin in *Gymnocalycium* 20(4): 742-743. 2007 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarijensis* subsp. *carichimayuensis* (K. Augustin) Hentzschel & K. Augustin in *Gymnocalycium* 21: 781. 2008 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia tarijensis* subsp. *samaensis* K. Augustin in *Gymnocalycium* 20(4): 743. 2007 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tarijensis* subsp. *samaensis* (K. Augustin) Hentzschel & K. Augustin in *Gymnocalycium* 21: 781. 2008 syn. sec. Kiesling & al. (2014)
- Weingartia tiraquensis* (Cárdenas) F.H.Brandt in *Kakteen Orch. Rundschau* 1977: 69. 1977. Sec. Kiesling & al. (2014)**
- ≡ *Rebutia tiraquensis* Cárdenas in *Cactus (Paris)* 57: 257. 1957 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* (Cárdenas) F.Ritter in *Natl. Cact. Succ. J.* 16(4): 81. 1961 syn. sec. Kiesling & al. (2014) ≡ *Rebutia steinbachii* subsp. *tiraquensis* (Cárdenas) D.R.Hunt in *Cactaceae Consensus Init.* 3: 6. 1997 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia tiraquensis* var. *electracantha* Backeb., *Descr. Cact. Nov.* 3: 14. 1963 syn. sec. Kiesling & al. (2014)
- = *Rebutia tiraquensis* var. *longiseta* Cárdenas in *Cact. Succ. J. (Los Angeles)* 42(4): 188. 1970 syn. sec. Kew WCVP (2019) ≡ *Sulcorebutia tiraquensis* var. *longiseta* (Cárdenas) Donald in *Cact. Succ. J. (Los Angeles)* 43: 39. 1971 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia steinbachii* subvar. *longiseta* (Cárdenas) Gertel in *Informationsbrief Zentr. Arbeitsgem. "Echinopseen"* 22: 26. 1996 syn. sec. Kew WCVP (2019) ≡ *Weingartia tiraquensis* var. *longiseta* (Cárdenas) Hentzschel & K. Augustin in *Gymnocalycium* 21: 782. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia mariana* H.Swoboda in *Succulenta (Netherlands)* 68(1): 4. 1989 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia tiraquensis* subsp. *mariana* (H.Swoboda) Gertel & J.de Vries in *Cactus & Co.* 11(3): 158. 2007 ≡ *Weingartia mariana* (Swoboda) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008 syn. sec. Kew WCVP (2019) ≡ *Weingartia tiraquensis* subsp. *mariana* (Swoboda) Gertel & J.de Vries, *Echinopseen* 6: 20. 2009 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia tiraquensis* var. *aguilarii* K. Augustin & Gertel in *Cactus & Co.* 3(3): 117, 120. 1999 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tiraquensis* var. *aguilarii* (K. Augustin & Gertel) Hentzschel & K. Augustin in *Gymnocalycium* 21: 782. 2008 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia tiraquensis* var. *renatae* Hentzschel & S.Beck in *Cactus & Co.* 3(3): 119, 122. 1999 syn. sec. Kiesling & al. (2014) ≡ *Weingartia tiraquensis* var. *renatae* (Hentzschel & S.Beck) Hentzschel & K. Augustin in *Gymnocalycium* 21: 782. 2008 syn. sec. Kew WCVP (2019)
- = *Weingartia mariana* var. *loui* (Brederoo & Donald) Hentzschel & K. Augustin in *Gymnocalycium* 21: 779. 2008 syn. sec. Kew WCVP (2019) ≡ *Weingartia tiraquensis* var. *loui* (Brederoo & Donald) Gertel & J.de Vries, *Echinopseen* 6: 20. 2009 syn. sec. Kew WCVP (2019)
- = *Sulcorebutia tiraquensis* var. *huanacuniensis* Gertel in *Kakteen And. Sukk.* 62(11): 284. 2011 syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia tiraquensis* subsp. *tiraquensis* syn. sec. Kiesling & al. (2014)
- = *Sulcorebutia tiraquensis* var. *tiraquensis* syn. sec. Kiesling & al. (2014)
- Weingartia vasqueziana* (Rausch) Hentzschel & K. Augustin in *Gymnocalycium* 21(2): 782. 2008. Sec. Kiesling & al. (2014)**
- ≡ *Sulcorebutia vasqueziana* Rausch in *Kakteen And. Sukk.* 21: 102. 1970 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia losenickyana* var. *vasqueziana* (Rausch) K. Augustin & Gertel, *Sulcorebutia: Kakteenzw. Boliv. Anden:* 98. 2000 syn. sec. Kiesling & al. (2014) ≡ *Rebutia vasqueziana* (Rausch) D.R.Hunt in *Cactaceae Syst. Init.* 14: 19. 2002 syn. sec. Kiesling & al. (2014)

***Weingartia westii* (Hutchison) Donald in Natl. Cact. Succ. J. 13(4): 67. 1958.** Sec. Kiesling & al. (2014)

- ≡ *Gymnocalycium westii* Hutchison in Cact. Succ. J. (Los Angeles) 29: 11. 1957 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia westii* (Hutchison) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014)
 = *Weingartia vilcayensis* Cárdenas in Cactus (Paris) 82: 46. 1964 syn. sec. Kiesling & al. (2014) ≡ *Sulcorebutia vilcayensis* (Cárdenas) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976 syn. sec. Kiesling & al. (2014) ≡ *Weingartia westii* var. *vilcayensis* (Cárdenas) Donald in Ashingtonia 3(Suppl.): 138. 1978

***Xiquexique* Lavor, Calvente & Versieux in PlantNow 1(2): 63. 2020.** Sec. Lavor & al. (2020)

Type: *Xiquexique gounellei* (F.A.C.Weber) Lavor & Calvente

***Xiquexique frewenii* (Zappi & N.P.Taylor) Zappi & N.P.Taylor in Phytotaxa 470: 256. 2020.** Sec. Lavor & al. (2020)

- ≡ *Pilosocereus frewenii* Zappi & N.P.Taylor in Bradleya 29: 132–136, 131. 2011 syn. sec. Lavor & al. (2020) – *Xiquexique frewenii* (Zappi & N.P.Taylor) Lavor & Calvente in PlantNow 1(2): 64. 2020, nom. inval. syn. sec. Lavor & al. (2020)

***Xiquexique gounellei* (F.A.C.Weber) Lavor & Calvente in PlantNow 1(2): 63. 2020.** Sec. Lavor & al. (2020)

- ≡ *Pilosocereus gounellei* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 188. 1897 syn. sec. Lavor & al. (2020) ≡ *Cephalocereus gounellei* (F.A.C.Weber ex K.Schum.) Britton & Rose, Cactaceae 2: 34. 1920 syn. sec. Franck (2021) ≡ *Cereus gounellei* (F.A.C.Weber ex K.Schum.) Luetzelb. in Estud. Bot. Nordéste 3: 111. 1926 syn. sec. Franck (2021) ≡ *Pilosocereus gounellei* (F.A.C.Weber ex K.Schum.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Lavor & al. (2020) ≡ *Pseudopilocereus gounellei* (F.A.C.Weber ex K.Schum.) Buxb. in Beitr. Biol. Pflanzen 44: 252. 1968 syn. sec. Franck (2021)

- = *Pilosocereus setosus* Gürke in Monatsschr. Kakteenk. 18: 52. 1908 syn. sec. Franck (2021) ≡ *Cereus setosus* (Gürke) Vaupel in Monatsschr. Kakteenk. 23: 27. 1913, nom. illeg. syn. sec. Franck (2021)

***Xiquexique gounellei* subsp. *gounellei*.** Sec. Lavor & al. (2020)

***Xiquexique gounellei* subsp. *zehntneri* (Britton & Rose) Lavor & Calvente in PlantNow 1(2): 63. 2020.** Sec. Lavor & al. (2020)

- ≡ *Cephalocereus zehntneri* Britton & Rose, Cactaceae 2: 35–36, f. 41. 1920 syn. sec. Lavor & al. (2020) ≡ *Cereus zehntneri* (Britton & Rose) Luetzelb. in Estud. Bot. Nordéste 3: 111. 1926 syn. sec. Franck (2021) ≡ *Pilosocereus gounellei* var. *zehntneri* (Britton & Rose) Backeb., Kaktus-ABC: 331. 1936 ["1935"] syn. sec. Franck (2021) ≡ *Pilosocereus gounellei* var. *zehntneri* (Britton & Rose) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Franck (2021) ≡ *Pilosocereus zehntneri* (Britton & Rose) F.Ritter, Kakteen Südamerika 1: 74. 1979 syn. sec. Franck (2021) ≡ *Pseudopilocereus zehntneri* (Britton & Rose) P.V.Heath in Calyx 4: 141. 1994 syn. sec. Franck (2021) ≡ *Pilosocereus gounellei* subsp. *zehntneri* (Britton & Rose) Zappi in Succ. Pl. Res. 3: 43. 1994 syn. sec. Lavor & al. (2020)

- = *Pseudopilocereus superfloccosus* Buining & Brederoo in Cact. Succ. J. (Los Angeles) 46: 60. 1974 syn. sec. Franck (2021) ≡ *Pilosocereus superfloccosus* (Buining & Brederoo) F.Ritter, Kakteen Südamerika 1: 84. 1979 syn. sec. Franck (2021)

- = *Pilosocereus braunii* Esteves in Kakteen And. Sukk. 38: 132. 1987 syn. sec. Franck (2021)

***Xiquexique tuberculatus* (Werderm.) Lavor & Calvente in PlantNow 1(2): 64. 2020.** Sec. Lavor & al. (2020)

- ≡ *Pilosocereus tuberculatus* Werderm., Bras. Säulenakt.: 101. 1933 syn. sec. Lavor & al. (2020) ≡ *Pilosocereus tuberculatus* (Werderm.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 69. 1957 syn. sec. Lavor & al. (2020) ≡ *Pseudopilocereus tuberculatus* (Werderm.) Buxb. in Beitr. Biol. Pflanzen 44(2): 253. 1968 syn. sec. Franck (2021)

***Yavia* R.Kiesling & Piltz in Kakteen And. Sukk. 52(3): 57. 2001.** Sec. Guerrero & al. (2019b)

Type: *Yavia cryptocarpa* R.Kiesling & Piltz

Notes. – Monotypic. Guerrero & al. (2019b) found a strongly supported clade consisting of *Rimacactus* sister to *Neowerdermannia* + *Yavia*. [Korotkova & al. (2021)]

***Yavia cryptocarpa* R.Kiesling & Piltz in Kakteen And. Sukk. 52(3): 57–63, f. 1–13. 2001**

- ≡ *Blossfeldia cryptocarpa* (R.Kiesling & Piltz) Halda in Cactaceae etc. 13: 23. 2003 syn. sec. WFO 2019

***Yungasocereus* F.Ritter, Kakteen Südamerika 2: 668. 1980.** Sec. Hunt (2006)

Type: *Yungasocereus inquisivensis* (Cárdenas) F.Ritter

Notes. – See note under *Samaipaticereus*. [Korotkova & al. (2021)]

***Yungasocereus inquisivensis* (Cárdenas) F.Ritter ex Eggl in Novon 15(2): 277. 2005**

- ≡ *Samaipaticereus inquisivensis* Cárdenas in Cactus (Paris) 57: 246. 1957 – *Yungasocereus inquisivensis* (Cárdenas) F.Ritter, Kakteen Südamerika 2: 669. 1980, nom. inval.

Hybrids

× *Acanthosalpingolobivia* Y.Itô, Hana Shaboten Zufu: 71. 1967

× *Aporberocereus* G.D.Rowley in Natl. Cact. Succ. J. 37: 46. 1982. Sec. TPL (2013)

× *Aporechinopsis* G.D.Rowley, Name that Succulent: 113. 1980

× *Aporepiphyllum* G.D.Rowley, Name that Succulent: 114. 1980, nom. illeg.

× *Aporepiphyllum freiburgensis* (Weing.) G.D.Rowley in Natl. Cact. Succ. J. 37: 46. 1982

- ×*Aporicereus* Mottram in *Cactician* 4: 20. 2016 ["2014"]
Aporocactus ×*knebelii* Knebel in *Phyllokakteen*: 60. 1931. Sec. TPL (2013)
 ≡ *Aporocactus knebelii* Knebel in *Phyllokakteen*: 60. 1931 syn. sec. TPL (2013)
 ×*Aporochia* G.D.Rowley in *Epiphytes* 4(13): 12. 1972
 ×*Aporocryptocereus* Xhonneux in *Cact. Avent.* 45: 24. 2000
 ×*Aporoheliocereus* Airy Shaw in *Willis, Dict. Flow. Pl. Ferns*, ed. 7: 80. 1966
 ×*Aporoheliocereus smithianus* (Sweet) P.V.Heath in *Epiphytes* 7(28): 92. 1983, nom. inval.
 ×*Aporoheliochia* P.V.Heath in *Epiphytes* 8(30): 40. 1984
 ×*Aporophyllum* D.R.Hunt in *Willis, Dict. fl. pl.*, ed. 7: 80. 1966
 ≡ *Aporophyllum* D.R.Hunt
 ×*Aporophyllum frieburgensis* (Weing.) P.V.Heath in *Epiphytes* 8(30): 39. 1984
 ×*Ariocereus* P.V.Heath in *Calyx* 1(3): 98. 1992
 ×*Arioechinopsis* Mottram in *Cactician* 4: 24. 2016 ["2014"]
 ×*Arthrocleistocactus* Mordhorst in *Kakteen And. Sukk.* 71(6): 180. 2020
 ×*Astrobergia* Piñal in *Revista Circulo Colecc. Cact. Crasas Republ. Argent.* 9: 25. 2010
 ×*Astroferocactus* Liczn. in *Kaktusy Inne* 6(3): 101. 2009
 ×*Austrocereus* Mottram in *Cactician* 4: 30. 2016 ["2014"]
 ×*Aztekonia* Mottram in *Cactician* 5: 15. 2014
 ×*Beahmara* P.V.Heath in *Calyx* 1: 68. 1992
 ×*Borkersia* Halda, Malina & Panar. in *Acta Mus. Richnov., Sect. Nat.*, 10(2): 150. 2003
 ×*Borkersia soniae* Halda, Malina & Panar. in *Acta Mus. Richnov., Sect. Nat.*, 10(2): 150. 2003
 ×*Borzimoza* G.D.Rowley, *Name that Succulent*: 116. 1980
 ×*Borzinopsis* G.D.Rowley in *Natl. Cact. Succ. J.* 37: 47. 1982
 ×*Borzipostoa* G.D.Rowley in *Natl. Cact. Succ. J.* 37(2): 47. 1982
 ×*Borzipostoa mirabilis* (Rauh & Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 37: 47. 1982
 ×*Borziroya* G.D.Rowley in *Natl. Cact. Succ. J.* 37: 47. 1982
 ×*Buchheimara* P.V.Heath in *Calyx* 1: 109. 1992
Cactus ensiformis Biden in *Gard. Chron. n.s.*, 20: 53. 1883. Sec. Britton & Rose (1923)
Cactus ×*jenkinsonii* McIntosh, *Fl. Pomona*: 1. 1829
Cactus jenkinsonii McIntosh, *Fl. Pomona*: 1. 1829. Sec. WFO 2019
 = *Cactus* ×*hybridus* Van Geel in *Sert. Bot.* 4: t. 118. 1832 syn. sec. Kew WCVF (2019)
 ×*Callisonara* P.V.Heath in *Calyx* 1: 98. 1992
 ×*Carlrettigara* Mottram in *Cactician* 4: 49. 2016 ["2014"]
 ×*Cephalepiphyllum* Mottram, *Contr. New Classific. Cact. Fam.*: 26. 1990
 ×*Cephaliocereus* G.D.Rowley in *Name Succ.*: 118. 1980
 ×*Cephaliocereus impossibilis* P.V.Heath in *Calyx* 2: 111. 1992
 ×*Cerenocereus* G.Gutte in *Berliner Kakt.-Blätt.*: 7, 9. 2013
 ×*Cerenocereus bonariensis* G.Gutte, *Berliner Kakt.-Blätt.* 13: 7, 9. 2013
 ×*Cereopsis* Mottram in *Cactician* 4: 54. 2016 ["2014"]
 ×*Cerephyllum* Mottram, *Contr. New Classific. Cact. Fam.*: 26. 1990
Cereus ×*ackermannii* Pfeiff., *Enum. Diagn. Cact.*: 123. 1837. Sec. WFO 2019
Cereus aurora Rydb., *Monatsschr. Kakteenk.* 16: 81. 1906. Sec. Britton & Rose (1920)
Cereus ×*beckmannii* Weing. in *Kakteenkunde* 1934: 83. 1934. Sec. WFO 2019
Cereus callicanthus (Rümpfer) Woodson in *Monatsschr. Kakteenk.* 3: 109. 1893. Sec. Britton & Rose (1920)
 ≡ *Cereus grandiflorus* var. *callicanthus* Rümpfer, *Handb. Cacteenk.*, ed. 2: 750. 1885 syn. sec. Britton & Rose (1920)
Cereus ×*colvillii* Sweet, *Hort. Brit.*, ed. 2: 590. 1830. Sec. WFO 2019
Cereus devauxii C.F.Först., *Handb. Cacteenk.*: 428. 1846. Sec. Britton & Rose (1920)
Cereus flagelliformis var. *mallisonii* Walp., *Repert. Bot. Syst.* 2: 278. 1843. Sec. WFO 2019
 = *Cereus crimsonii* Pritz., *Icones*: 246. 1855 syn. sec. Britton & Rose (1920)
Cereus flemingii K.Schum. in *Monatsschr. Kakteenk.* 3: 109. 1893. Sec. Britton & Rose (1923)
Cereus ×*flemingii* C.F.Först., *Handb. Cacteenk.*: 751. 1846
Cereus ×*freiburgensis* Weing. in *Monatsschr. Kakteenk.* 30: 23. 1920. Sec. WFO 2019
Cereus ×*funkii* C.F.Först., *Handb. Cacteenk.*: 411. 1846. Sec. WFO 2019

- Cereus* × *hansii* Baumann in Rev. Hort. (Paris) sér. 2, 1: 267. 1842. Sec. WFO 2019
- Cereus kewensis* Worsley in J. Roy. Hort. Soc. 39: 92. 1913. Sec. Britton & Rose (1923)
- Cereus* × *ruber* C.F.Först., Handb. Cacteenk.: 751. 1846
- Cereus* × *rueferi* Lipsch. in Monatsschr. Kakteenk. 16: 10. 1906. Sec. Britton & Rose (1920)
- Cereus* × *smithianus* Sweet, Hort. Brit., ed. 2: 237. 1830. Sec. WFO 2019
- Cereus speciosissimus* var. *albiflorus* Rümpler, Handb. Cacteenk., ed. 2: 772. 1885. Sec. Britton & Rose (1920)
= *Cereus albiflorus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 54. 1903 syn. sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *aurantiacus* Pfeiff., Enum. Diagn. Cact.: 122. 1837. Sec. Britton & Rose (1920)
= *Cereus aurantiacus* C.F.Först., Handb. Cacteenk.: 428. 1846 syn. sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *blindii* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *bodii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *bollwillerianus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *bowtrianus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *coccineus* Rümpler, Handb. Cacteenk., ed. 2: 773. 1885. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *colmariensis* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *curtisii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *danielsii* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *devauxii* Pfeiff., Enum. Diagn. Cact.: 121. 1837. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *edesii* Booth ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *elegans* Booth ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *eugenia* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *finkii* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *gebvillerianus* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *gloriosus* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *grandiflorus* Pfeiff., Enum. Diagn. Cact.: 122. 1837. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *guillardieri* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *hansii* Baumann ex C.F.Först., Handb. Cacteenk., ed. 2: 773. 1885. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *hitchensii* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *hoveyi* Rümpler, Handb. Cacteenk., ed. 2: 772. 1885. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *ignescens* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *jenkinsonii* (Sweet) Pfeiff., Enum. Diagn. Cact.: 121. 1837. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *kampmannii* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *kiardii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *kobii* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *lateritius* Pfeiff., Enum. Diagn. Cact.: 121. 1837. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *latifrons* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *longipes* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *lothii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *loudonii* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *macqueanus* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *maelenii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *mauritanianus* Booth ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *merckii* Booth ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *mexicanus* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *mittleri* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *muhlhausianus* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *peacocki* Rümpler, Handb. Cacteenk., ed. 2: 772. 1885. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *peintneri* Haage ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *rintzii* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *roidii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *sarniensis* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *seidelii* Booth ex C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
- Cereus speciosissimus* var. *seitzii* C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)

- Cereus speciosissimus* var. *selloii* C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *smithii* C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *superbus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *suwaroffi* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *triumphans* C.F.Först., Handb. Cacteenk.: 428. 1846. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *unduliflorus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *vandesii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
Cereus speciosissimus var. *vitellinus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. Britton & Rose (1920)
Cereus vulcan Müll.Arg. in Monatsschr. Kakteenk. 16: 10. 1906. Sec. Britton & Rose (1920)
×*Cerevillea* G.D.Rowley in Natl. Cact. Succ. J. 37: 48. 1982
×*Cernikara* T.S.Harvey in Cact. Succ. J. (Los Angeles) 86: 189. 2014
×*Chamaebivia* Halda, Malina & Panar. in Acta Mus. Richnov., Sect. Nat., 10(2): 151. 2003
×*Chamaebivia francescae* Halda, Malina & Panar. in Acta Mus. Richnov., Sect. Nat., 10(2): 151. 2003
×*Chamaecactus* P.V.Heath in Calyx 1: 104. 1992
×*Chamaecladodia* P.V.Heath in Calyx 1: 104. 1992
×*Chamaelopsis* J.H.Johnson ex Y.Itô, Hana Shaboten Zufu: 59. 1967
×*Chamaezicactus* Halda, Malina & Panar. in Acta Mus. Richnov., Sect. Nat., 10(2): 151. 2003
×*Chamaezicactus cintiae* Halda, Malina & Panar. in Acta Mus. Richnov., Sect. Nat., 10(2): 151. 2003
×*Chamygmaecocereus* Mordhorst in Hybriden-J. 2007(3): 11. 2007
×*Chimerophora* Y.Itô, Cactaceae: 658. 1981
×*Cleiferocactus* G.D.Rowley in CactusWorld 32: 25. 2014
×*Cleipaticereus* G.D.Rowley in Bradleya 12: 5. 1994
×*Cleistaageocereus* Mordhorst in Kakteen And. Sukk. 62: 228. 2011
×*Cleistepiphyllum* Mottram in Cactician 4: 67. 2016 ["2014"]
×*Cleistoborziacactus* G.D.Rowley in Natl. Cact. Succ. J. 37: 48. 1982
×*Cleistocana* G.D.Rowley in Bradleya 12: 5. 1994
×*Cleistocana mirabilis* (Buining) D.R.Hunt in Cactaceae Consensus Init. 4: 10. 1997
≡ *Matucana* ×*mirabilis* Buining in Sukkulentenkunde 7-8: 39. 1963 ≡ *Arequipa* ×*mirabilis* (Buining) Backeb., Kakteenlex.: 62. 1966 ≡ *Borzicactus* ×*mirabilis* (Buining) Donald in Natl. Cact. Succ. J. 25: 111. 1970
= *Echinopsis* ×*anceschiana* Molinari & Mayta in Succulentopi@ 14: 19. 2015 syn. sec. Schlumberger (2021)
×*Cleistochamaecereus* P.V.Heath in Calyx 1: 103. 1992
×*Cleistoehinocana* Liczn. in Kaktusy Inne 6(3): 101. 2009
×*Cleistonocereus* G.D.Rowley in Brit. Cact. Succ. J. 22: 65. 2004
×*Cleistoparodia* A.Wessner in Hybriden-J. 1994(3): 18. 1994
×*Cleistopsis* Strigl in Kakteen And. Sukk. 30: 226. 1979
×*Cleistoza* G.D.Rowley in Brit. Cact. Succ. J. 22: 64. 2004
×*Cockeara* P.V.Heath in Calyx 1: 84. 1992
×*Coleocereus* P.V.Heath in Calyx 1: 106. 1992
×*Colosocereus* G.D.Rowley in Bradleya 12: 6. 1994
×*Coryopuntia* Mottram in Cactician 4: 76. 2016 ["2014"]
×*Cosmopsis* Y.Itô in J. Cact. Succ. Soc. Japan 94: 23. 1977
×*Courantara* P.V.Heath in Calyx 1: 116. 1992
×*Cylindrantha* Y.Itô, Cactaceae: 643. 1981
×*Cylindrocalycium* Y.Itô, Cactaceae: 644. 1981
×*Cylindropsis* Y.Itô, Cactaceae: 639. 1981
×*Cylindrosia* Y.Itô in J. Cact. Succ. Soc. Japan 91: 25. 1976
×*Disberocereus* E.Meier in Kakteen And. Sukk. 41: 80. 1990
×*Disisocactus* Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"]
×*Disisocactus petersenii* Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"]
Disocactus ×*capelleanus* (Rother) E.Meier in EPIG 57: 16. 2006
≡ *Phyllocactus* ×*capelleanus* Rother in Monatsschr. Kakteenk. 11: 138. 1901 ≡ *Nopalxochia* ×*capelleana* (Rother) G.D.Rowley in Backeberg, Cactaceae 2 2: 761. 1959 ≡ *Heliocereus* ×*capelleanus* (Rother) Doweld in Sukkulenty 4: 42. 2002 ["2001"]

***Disocactus ×hybridus* (Van Geel) Barthlott in Bradleya 9: 88. 1991.** Sec. Barthlott (1991)

≡ *Cactus hybridus* Van Geel, Sertum Bot. 4: t. 118. 1832 syn. sec. Barthlott (1991)

= ×*Heliochia vandesii* G.D.Rowley in Backeberg, Cactaceae 6: 3551. 1962 syn. sec. Barthlott (1991)

***Disocactus ×mallisonii* (Otto & A.Dietr.) Barthlott in Bradleya 9: 88. 1991.** Sec. Barthlott (1991)

≡ *Cereus mallisonii* Otto & A.Dietr. in Verh. Ver. Beföd. Gartenb. 12: 134. 1837 ≡ *Cactus ×mallisonii* (Otto & A.Dietr.) Loudon,

Encycl. Pl., Suppl. 1: 1202. 1840 ≡ *Aporocactus ×mallisonii* (Otto & A.Dietr.) Borg, Cacti, ed. 1: 171. 1937 ≡

×*Aporoheliocereus smithianus* nothovar. *mallisonii* (Otto & A.Dietr.) P.V.Heath in Epiphytes 7(28): 92. 1983 ≡

×*Aporoheliocereus mallisonii* (Otto & A.Dietr.) P.V.Heath in Taxon 38: 281. 1989

= *Cereus ×mallisonii* Pfeiff., Enum. Diagn. Cact.: 111. 1837 syn. sec. Britton & Rose (1920)

= *Cereus ×smithii* Pfeiff., Enum. Diagn. Cact.: 111. 1837 syn. sec. Barthlott (1991) ≡ ×*Heliaporus smithii* (Pfeiff.) G.D.Rowley

in Cact. Succ. J. Gr. Brit. 13: 54. 1951 syn. sec. Barthlott (1991) ≡ ×*Aporoheliocereus smithii* (Pfeiff.) G.D.Rowley in Natl.

Cact. Succ. J. 37: 46. 1982 syn. sec. Barthlott (1991) ≡ ×*Aporoheliocereus mallisonii* f. *smithii* (Pfeiff.) P.V.Heath in Taxon 38: 281. 1989 syn. sec. Barthlott (1991)

***Disocactus ×moenninghoffii* (D.F.Fisch.) E.Meier in EPIG 57: 17. 2006.** Sec. Cruz & al. (2016)

≡ *Cereus ×moenninghoffii* D.F.Fisch. in Monatsschr. Kakteenk. 15: 143. 1905 syn. sec. Kew WCVP (2019)

***Disocactus ×violaceus* (F.Sm. & T.Sm.bis ex Mast.) Barthlott in Bradleya 9: 88. 1991.** Sec. Barthlott (1991)

≡ *Phyllocactus ×violaceus* F.Sm. & T.Sm.bis ex Mast. in Gard. Chron. 1869: 666. 1869 syn. sec. Barthlott (1991)

= *Phyllocactus kampmannii* Orcutt, Rev. Cact. 2: 91. 1902 syn. sec. Kew WCVP (2019)

= ×*Heliochia violacea* G.D.Rowley in Backeberg, Cactaceae 6: 3552. 1962 syn. sec. Barthlott (1991)

×*Disolocereus* E.Meier in EPIG 64: 26. 2009

×*Disonopsis* G.D.Rowley in Cactaceae Syst. Init. 18: 13. 2004

×*Disophyllum* Innes in Epiphytes 1(3): 43. 1968

×*Disophyllum amaranthinum* (Regel) E.Meier in EPIG 57: 17. 2006

×*Disophyllum charltonii* (Mast.) E.Meier in EPIG 57: 17. 2006

×*Disophyllum splendens* (Regel) E.Meier in EPIG 57: 17. 2006

×*Disoselenicereus* E.Meier in Kakteen And. Sukk. 41(4): 80. 1990

×*Disoselenicereus fulgidus* (Hook.f.) E.Meier in EPIG 57: 17. 2006

= *Cereus grandiflorus* var. *maynardii* Paxton in Rev. Hort. (Paris) sér 3, 1: 285. 1847 syn. sec. Kew WCVP (2019)

= *Cereus maynardii* J.Paxton in Bot. Mag. 14: 75. 1847

= *Cereus ×fulgidus* Hook.f. in Bot. Mag. 96: t. 5856. 1870 syn. sec. Kew WCVP (2019)

×*Disoselenicereus maynardiae* (Paxton) E.Meier in EPIG 57: 17. 2006

×*Echinaageocereus* Mordhorst in Kakteen And. Sukk. 62: 228. 2011

×*Echinastrophytum* Mottram in Cactician 4: 99. 2016 ["2014"]

×*Echinobergia* Mottram, Contr. New Classific. Cact. Fam.: 35. 1990

×*Echinobutia* P.V.Heath in Calyx 1: 112. 1992

×*Echinocalycium* P.V.Heath in Calyx 1(3): 111. 1992

×*Echinocana* Mordhorst in Kakteen And. Sukk. 71(10): 293. 2020

×*Echinocereopsis* P.V.Heath in Calyx 1: 109. 1992

Echinocereus dahliaeflorus Moellers in Deutsche Gärt.-Zeitung 15: 148. 1900. Sec. Britton & Rose (1922)

Echinocereus ehrenbergii var. *cristatus* C.F.Först., Handb. Cacteenk., ed. 2: 776. 1885. Sec. Britton & Rose (1922)

×*Echinocoxia* P.V.Heath in Calyx 1: 110. 1992

×*Echinocylindra* Y.Itô, Cactaceae: 644. 1981

×*Echinoferocactus* P.V.Heath in Calyx 1: 109. 1992

×*Echinogymnocalycium* Mottram in Cactician 4: 103. 2016 ["2014"]

×*Echinomillaria* Mottram in Cactician 4: 104. 2016 ["2014"]

×*Echinomoza* G.D.Rowley in Brit. Cact. Succ. J. 22(2): 64. 2004

×*Echinomoza roseiflora* (Font & Picca) G.D.Rowley in Brit. Cact. Succ. J. 22: 64. 2004

×*Echinonotocactus* P.V.Heath in Calyx 1: 112. 1992

×*Echinopalxochia* P.V.Heath in Calyx 1: 112. 1992

×*Echinoparodia* Mottram, Contr. New Classific. Cact. Fam.: 36. 1990

Echinopsis ×cabreræ (R.Kiesling) G.D.Rowley in Repert. Pl. Succ. 27: 5. 1979 ["1976"]. Sec. Schlumpberger (2021)

≡ *Trichocereus ×cabreræ* R.Kiesling in Hickenia 1: 30. 1976 syn. sec. Schlumpberger (2021)

Echinopsis ×droegeana A.Berger in Monatsschr. Kakteenk. 1: 24. 1891. Sec. Britton & Rose (1922)

Echinopsis ×droegeana R.Mey. ex Britton & Rose, Cactaceae 3: 67. 1922

Echinopsis ×duvallii R.Mey. ex Britton & Rose, Cactaceae 3: 76. 1922

- Echinopsis* × *lagemannii* A.Dietr. in Allg. Gartenzeitung 14: 307. 1846
 – *Echinopsis* × *lagemannii* A.Dietr. ex K.Schum., Gesamtbeschr. Kakt.: 235. 1897, nom. inval. syn. sec. Berendsohn (2020)
- Echinopsis* × *muelleri* Hirscht in Cact. J. (London) 2: 6. 1899
- Echinopsis* × *nigerrima* Schelle, Handb. Kakteenkult.: 112. 1907
- Echinopsis* × *poselgeri* R.Mey. in Monatsschr. Kakteenk. 5: 36. 1895
- Echinopsis* × *quehlii* R.Mey. in Monatsschr. Kakteenk. 1: 55. 1891
- Echinopsis* × *rohlandii* K.Schum., Gesamtbeschr. Kakt.: 235. 1897
- Echinopsis* × *tougardii* Hérincq, Hort. Franç. 3: 193. 1853
- Echinopsis* × *undulata* Rother in Monatsschr. Kakteenk. 11: 61. 1901
- Echinopsis* × *wilkensii* (Linke) K.Schum., Gesamtbeschr. Kakt.: 235. 1897
 ≡ *Echinopsis eyriesii* var. *wilkensii* Linke syn. sec. IPNI
- × *Echinulocactus* Mottram in Cactician 4: 106. 2016 ["2014"]
- × *Epicereus* Mottram in Cactician 4: 110. 2016 ["2014"]
- × *Epinicereus* H.M.Wegener in Cact. Succ. J. (Los Angeles) 7: 79. 1935
- × *Epinicereus cooperi* (S.Watson) P.V.Heath in Calyx 1: 117. 1992
- Epiphyllum* × *floribundum* Kimmach in Cact. Succ. J. (Los Angeles) 62: 85. 1990
- Epiphyllum* × *jenkinsonii* G.Don, Gen. Hist. 3: 170. 1834
- Epiphyllum* × *rollissonii* T.Moore, Gard. Companion Florists Guide 1: 14. 1852
- Epiphyllum* × *splendens* Anon. in Ann. Fl. Pomone 1839: 345, t. 44. 1839
- Epiphyllum* × *splendidum* Paxton in Paxtons Mag. Bot. 1: 49. 1841. Sec. Britton & Rose (1923)
 ≡ *Cereus splendidus* (Paxton) Steud., Nomencl. Bot., ed. 2, 1: 336. 1840 syn. sec. Britton & Rose (1923)
- Epiphyllum* × *vandesii* G.Don, Gen. Hist. 3: 170. 1834
- × *Epipilosocereus* Mottram in Cactician 4: 112. 2016 ["2014"]
- × *Epipuntia* Mottram in Cactician 4: 112. 2016 ["2014"]
- × *Epixochia* G.D.Rowley in Backeberg, Cactaceae 6: 3556. 1962
- × *Epixochia amaranthina* (Regel) G.D.Rowley in Backeberg, Cactaceae 6: 3556. 1962
- × *Epixochia splendens* (Regel) G.D.Rowley in Backeberg, Cactaceae 6: 3556. 1962
- × *Es pocana* P.V.Heath in Calyx 1: 117. 1992
- × *Espostingia* G.D.Rowley in Natl. Cact. Succ. J. 37: 48. 1982
- × *Espostocactus* Mottram, Contrib. New Classific. Cact. Fam.: 38. 1990
- × *Espostocactus baumannii* (Knie) G.D.Rowley in Brit. Cact. Succ. J. 22: 65. 2004
- × *Espostocactus erectispinus* (Rauh & Backeb.) G.D.Rowley in Brit. Cact. Succ. J. 22: 65. 2004
- × *Espostocactus mirabilis* (Rauh & Backeb.) G.D.Rowley in Bradleya 12: 5. 1994
 ≡ *Neobinghamia* × *mirabilis* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"] syn. sec. Kew WCVP (2019) ≡
 × *Haagespostoa mirabilis* (Rauh & Backeb.) Ostolaza in Quepo 23: 67. 2009 syn. sec. Kew WCVP (2019)
- × *Eversonara* P.V.Heath in Calyx 1: 120. 1992
- × *Feastara* P.V.Heath in Calyx 1: 38. 1992
- × *Ferenocactus* Doweld in Sukkulenty 8: 16. 2005
- × *Ferobergia* Glass in Cact. Succ. J. (Los Angeles) 38: 177. 1966
- × *Ferofossulocactus* G.D.Rowley, Name that Succulent: 124. 1980
- × *Fricara* P.V.Heath in Calyx 1: 103. 1992
- × *Graeserara* Mordhorst in Kakteen And. Sukk. 62: 228. 2011
- × *Grisulatocereus* P.V.Heath in Calyx 6: 1. 1998
- × *Guillauminara* P.V.Heath in Calyx 1: 111. 1992
- × *Gymnobotia* P.V.Heath in Calyx 1: 118. 1992
- × *Gymnochinopsis* P.V.Heath in Calyx 1: 111. 1992
- × *Gymnophora* P.V.Heath in Calyx 1: 118. 1992
- × *Haageocana* Mordhorst in Kakteen And. Sukk. 71(10): 293. 2020
- × *Haagespostoa* G.D.Rowley in Natl. Cact. Succ. J. 37: 76. 1982
 = *Neobinghamia* Backeb. in Cact. Succ. J. (Los Angeles) 22: 154. 1950 syn. sec. Kew WCVP (2019)

×*Haagespostoa albisetata* (Akers) G.D.Rowley in Natl. Cact. Succ. J. 37: 76. 1982

≡ *Peruvocereus albisetatus* Akers in Cact. Succ. J. (Los Angeles) 20: 184–186. 1948 ≡ *Haageocereus albisetatus* (Akers) Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 414. 1958 ≡ *Echinopsis* ×*albisetata* (Akers) Molinari in Succulentopi@ 13: 19. 2015

= *Haageocereus albisetatus* Cullmann syn. sec. TPL (2013)

= *Peruvocereus albisetatus* var. *robustus* Akers syn. sec. Brako & Zarucchi (1993)

×*Haagespostoa climaxantha* (Werderm.) G.D.Rowley in Natl. Cact. Succ. J. 37: 76. 1982

≡ *Binghamia climaxantha* Werderm. in Repert. Spec. Nov. Regni Veg. 42: 4. 1937 ≡ *Neobinghamia climaxantha* (Werderm.)

Backeb. in Cact. Succ. J. (Los Angeles) 23: 149. 1951 ≡ *Pseudoespostoa climaxantha* (Werderm.) Backeb. ≡ *Haageocereus climaxanthus* (Werderm.) Croizat in Cact. Succ. J. (Los Angeles) 14: 48. 1942 ≡ *Echinopsis* ×*climaxantha* (Werderm.) Molinari & Mayta in Succulentopi@ 14: 19. 2015

= *Peruvocereus albicephalus* Akers in Cact. Succ. J. (Los Angeles) 19: 162. 1947 syn. sec. Brako & Zarucchi (1993)

= *Peruvocereus albicephalus* var. *armatus* Akers in Cact. Succ. J. (Los Angeles) 19: 163. 1947 syn. sec. Brako & Zarucchi (1993)

= *Neobinghamia climaxantha* var. *armata* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Neobinghamia* ×*climaxantha* var. *armata* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"]

= *Neobinghamia* ×*climaxantha* var. *lurinensis* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"]

= *Neobinghamia* ×*climaxantha* var. *subfusciflora* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"]

= *Neobinghamia* ×*multiareolata* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"] syn. sec. Kew WCVP (2019)

= *Neobinghamia climaxantha* var. *lurinensis* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 441. 1958 syn. sec. Kew WCVP (2019)

= *Neobinghamia* ×*multiareolata* var. *superba* Rauh & Backeb. in Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.: 444. 1958 syn. sec. Kew WCVP (2019)

×*Haagespostoa villigera* (Rauh & Backeb.) Ostolaza in Brit. Cact. Succ. J. 23: 31. 2005

≡ *Neobinghamia villigera* Rauh & Backeb., Descr. Cact. Nov. 1: 35. 1957 ["1956"] syn. sec. Kew WCVP (2019)

×*Harricereus* G.D.Rowley in Natl. Cact. Succ. J. 37: 76. 1982

×*Harrisinopsis* G.D.Rowley in Natl. Cact. Succ. J. 37: 77. 1982

×*Harrisinopsis jusbertii* (K.Schum.) P.V.Heath in Calyx 1: 111. 1992

×*Hatbergera* Süpplie, Schlumbergera Direct. Spec. Hybr.: 4. 2004

×*Heliaporus* G.D.Rowley in Cact. Succ. J. Gr. Brit. 13: 54. 1951

×*Heliocactus* Janse in Cact. & Vetpl. (Wijnegem) 4: 28. 1938

×*Heliocereopsis* P.V.Heath in Calyx 1: 111. 1992

Heliocereus ×*jenkinsonii* (McIntosh) Doweld in Sukkulenty 4: 42. 2002 ["2001"]

Heliocereus ×*violaceus* (Mast.) Doweld in Sukkulenty 4: 42. 2002 ["2001"]

×*Heliochia* G.D.Rowley in Backeberg, Cactaceae 6: 3551. 1962

×*Heliochia hybrida* (Van Geel) P.V.Heath in Taxon 38: 126. 1989

×*Heliochia jenkinsonii* (McIntosh) P.V.Heath in Calyx 1: 120. 1992

×*Heliochia vandesii* G.D.Rowley in Backeberg, Cactaceae 6: 3551. 1962

×*Heliorhopsalis* Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"]

×*Heliorhopsalis macdougallii* Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"], nom. inval.

×*Helioseleniophyllum* Doweld in Sukkulenty 4: 41. 2002 ["2001"]

×*Helioselenius* G.D.Rowley in Cact. Succ. J. Gr. Brit. 13: 54. 1951

×*Helioselenius fulgidus* (Hook.f.) Hoewel in Kakteen And. Sukk. 18: 51. 1967

×*Helioselenius maynardae* (Paxton) G.D.Rowley in Cact. Succ. J. Gr. Brit. 13: 54. 1951

×*Heliosocereus* Glass & R.A.Foster in Cact. Succ. J. (Los Angeles) 43: 22. 1971

×*Heliphyllum* G.D.Rowley in Backeberg, Cactaceae 6: 3555. 1962

×*Heliphyllum amaranthinum* (Regel) Doweld in Sukkulenty 4(1-2): 41. 2002 ["2001"]

×*Heliphyllum charltonii* G.D.Rowley in Backeberg, Cactaceae 6: 3555. 1962

×*Heliphyllum splendens* (Regel) Doweld in Sukkulenty 4: 41. 2002 ["2001"]

×*Heptocereus* P.V.Heath in Epiphytes 7(28): 91. 1983

×*Hylocalycium* P.V.Heath in Sussex Cact. Succ. Soc. Yearb. 8: 46. 1987

×*Hylogymnocalycium* G.D.Rowley in Brit. Cact. Succ. J. 23: 12. 2005

×*Hylophyllum* P.V.Heath in Calyx 1: 38. 1992

×*Innesara* P.V.Heath in Calyx 1: 60. 1992

×*Joyceara* P.V.Heath in Calyx 1: 84. 1992

×*Kleinerara* P.V.Heath in Calyx 1: 86. 1992

×*Knebelara* P.V.Heath in Calyx 1: 52. 1992

- ×*Leuchtenfera* Arakawa & Y.Itô in Itô, *Cactaceae*: 653. 1981
- ×*Liskeara* Mordhorst in *Kakteen And. Sukk.* 71(6): 180. 2020
- ×*Lutterlohara* P.V.Heath in *Calyx* 1: 111. 1992
- ×*Macdougallara* P.V.Heath in *Calyx* 1: 43. 1992
- Mammillaria busonii* Bachel in *Kakteen And. Sukk.* 22: 78. 1971. Sec. Metzling (2021)
- Notes. – Synonym for *Homo sapiens*. This publication, at that time intended as an April Fool's joke, led to strong criticism and resignation of the editor of the *KuaS*. [Metzling (2021)]
- ×*Maturoya* P.V.Heath in *Calyx* 1: 123. 1992
- ×*Medeliocereus* P.V.Heath in *Calyx* 1: 120. 1992
- ×*Meierara* P.V.Heath in *Epiphytes* 7(28): 91. 1983
- Mesechinopsis* ×*nakajimae* Y.Itô, *Expl. Diagr.*: 286. 1957
- ×*Micropilocereus* P.V.Heath in *Calyx* 1: 123. 1992
- ×*Microsocereus* G.D.Rowley in *Bradleya* 12: 6. 1994
- ×*Mottramara* P.V.Heath in *Calyx* 1: 103. 1992
- ×*Myrtgerocactus* Moran in *Cact. Succ. J. (Los Angeles)* 34: 186. 1962
- ×*Myrtgerocactus lindsayi* Moran in *Cact. Succ. J. (Los Angeles)* 34: 186. 1962
- ×*Myrtigymnocalycium* Mottram in *Cactician* 4: 218. 2016 ["2014"]
- ×*Myrtillenocereus* G.D.Rowley in *Natl. Cact. Succ. J.* 37: 78. 1982
- ×*Myrtocereus* Mottram, *Contr. New Classific. Cact. Fam.*: 59. 1990
- ×*Nopalxalis* Süpplie in *Succulenta (Netherlands)* 67: 141. 1988
- ×*Notolobivia* P.V.Heath in *Calyx* 1: 122. 1992
- ×*Nyctocephalocereus* Mottram, *Contr. New Classific. Cact. Fam.*: 62. 1990
- ×*Oreobivia* M.Lowry in *Brit. Cact. Succ. J.* 18: 216. 2000
- ×*Oreocana* P.V.Heath in *Calyx* 1: 123. 1992
- ×*Oreokersia* Hans, H.Kellner & Axel Neumann, *Hybridenbuch*: 265. 2012
- ×*Oreonopsis* G.D.Rowley in *Bradleya* 12: 6. 1994
- ×*Oreotrichocereus* P.V.Heath in *Calyx* 1: 125. 1992
- ×*Ortegopuntia* Tóth, *Debreceni Pozsgás-Tar* 2012(1): 50. 2012
- ×*Pachebergia* S.Arias & Terrazas in *Revista Mex. Biodivers.* 79: 26. 2008
- ×*Pachebergia apicicostata* S.Arias & Terrazas in *Revista Mex. Biodivers.* 79: 26. 2008
- ×*Pacherocactus* G.D.Rowley in *Natl. Cact. Succ. J.* 37: 78. 1982
- ×*Pacherocactus orcuttii* (K.Brandegee) G.D.Rowley in *Natl. Cact. Succ. J.* 37: 78. 1982
- ≡ *Cereus* ×*orcuttii* K.Brandegee in *Zoë* 5: 3. 1900 syn. sec. Kew WCVP (2019) ≡ *Pachycereus orcuttii* (K.Brandegee) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 422. 1909 syn. sec. Hunt (2016) ≡ *Pachgerocereus orcuttii* (K.Brandegee) Moran in *Cact. Succ. J. (Los Angeles)* 34(3): 93. 1962 ≡ ×*Pachgerocereus orcuttii* (K.Brandegee) Moran in *Cact. Succ. J. (Los Angeles)* 34: 93. 1962
- ×*Pachgerocereus* Moran in *Cact. Succ. J. (Los Angeles)* 34: 93. 1962
- ×*Parrybergia* Doweld in *Sukkulenty* 8: 17. 2005
- ×*Petersenara* P.V.Heath in *Calyx* 1: 86. 1992
- Phyllocactus acutifrons* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 37. 1845
- Phyllocactus* ×*belgicus* Laet-Contich in *Wiener Ill. Gart.-Zeitung* 1904: 409. 1904
- ≡ *Phyllocactus belgica* Laet-Contich in *Wiener Ill. Gart.-Zeitung* 1904: 409. 1904
- Phyllocactus* ×*campmannii* Hook.f. in *Gartenflora* 36: 39. 1887
- ≡ *Phyllocactus campmannii* Hook.f. in *Gartenflora* 36: 39. 1887
- Phyllocactus* ×*charltonii* Mast. in *Gard. Chron.* 1869: 638. 1869
- Phyllocactus* ×*cooperi* Regel in *Gartenflora* 32: 218. 1883
- Phyllocactus crenatus* var. *amaranthinus* Regel in *Gartenflora* 10: 85. 1861
- Phyllocactus crenatus* var. *lateritius* Regel in *Gartenflora* 10: 84. 1861
- Phyllocactus crenatus* var. *roseus* Regel in *Gartenflora* 10: 84. 1861
- Phyllocactus crenatus* var. *roseus-grandiflorus* Regel in *Gartenflora* 11: 237. 1862
- Phyllocactus crenatus* var. *splendens* Regel in *Gartenflora* 10: 84. 1861
- Phyllocactus crenatus* var. *vogelii* Regel in *Gartenflora* 9: 135. 1860
- ≡ *Phyllocactus vogelii* (Regel) P.Fourn., *Cactées Pl. Grasses*: 11. 1935
- Phyllocactus* ×*franzii* Hildm. in *Gartenflora* 41: 225. 1892

- Phyllocactus* ×*hildmannii* Hildm. in Gartenflora 44: 633. 1895
Phyllocactus ×*hybridus* Voss, Vilm. Blumengärtn. ed. 3 1: 381. 1894
Phyllocactus ×*ignescens* J.N.Haage in Cact. Verz.: 10. 1857
Phyllocactus ×*jenkinsonii* J.N.Haage in Cact. Verz.: 10. 1857
Phyllocactus jenkinsonii Haage, Cact.-Verz.: 10. 1857. Sec. Britton & Rose (1923)
Phyllocactus ×*kampmannii* Orcutt, Rev. Cact. 2: 91. 1902
Phyllocactus ×*londonii* J.N.Haage ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*longipes* Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*lothii* Pfeiff. ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*macquiana* Salm-Dyck ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*maelenii* Salm-Dyck ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*mauritanianus* Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*mexicanus* Salm-Dyck ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*pfersdorffii* Rümpler, Sukkulente: 155. 1892
Phyllocactus ×*pommer-eschei* Hildm. in Gartenflora 41: 225. 1892
Phyllocactus ×*purpureus* Haage, Verz. Cact.: 27. 1864
Phyllocactus ×*selloi* Sello ex Labour., Monogr. Cactaceae: 429. 1853
Phyllocactus ×*triumphans* J.N.Haage in Cact. Verz.: 10. 1857
×*Phyllocereus* Miq. in Bull. Sc. Phys. et Nat. Brux.: 112. 1839
×*Phyllocereus cinnabarinus* (Eichlam) Knebel in Cact. & Vetpl. (Amsterdam) 4: 26. 1938
Pilocereus ×*crenatus* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 183. 1894
Pilocereus ×*phyllanthoides* K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 183. 1894
×*Pilodisocactus* G.D.Rowley in CactusWorld 32: 26. 2014
×*Polascontria* Y.Cruz & S.Vázquez in Phytotaxa 295(2): 151. 2017. Sec. Kew WCVP (2019)
×*Polascontria huajuapensis* Y.Cruz & S.Vázquez in Phytotaxa 295(2): 151. 2017. Sec. Kew WCVP (2019)
×*Pseudocereus* P.V.Heath in Calyx 1: 106. 1992
×*Pseudocladodia* P.V.Heath in Calyx 1: 121. 1992
×*Rathbunilloca* Mottram, Contr. New Classific. Cact. Fam.: 73. 1990
Rathbunilloca ×*glassii* P.V.Heath in Calyx 2: 106. 1992
×*Rettigara* P.V.Heath in Calyx 1: 96. 1992
×*Rhipsaliphyl* Mottram in Cactician 4: 291. 2016 ["2014"]
×*Rowleyara* P.V.Heath in Calyx 1: 36. 1992
×*Schickara* Mordhorst in Kakteen. Sukk. 62: 228. 2011
×*Schlumbephyll* Süpplie ex Doweld in Sukkulente 4: 37. 2002 ["2001"]
×*Schlumbergopsis* P.V.Heath in Calyx 1: 127. 1992
×*Schlumisocactus* Süpplie ex Doweld in Sukkulente 4: 37. 2002 ["2001"]
×*Sclerinoceus* G.D.Rowley, Teratopia: 280. 2006
×*Seleliocereus* Guillaumin in Guides Coll. Pl. Viv. Mus. Nation. Hist. Nat., Paris 4(2): 51. 1937
×*Seleliocereus colvillii* (Sweet) P.V.Heath in Calyx 1: 120. 1992
×*Seleliocereus fulgidus* (Hook.f.) G.D.Rowley in Natl. Cact. Succ. J. 37: 79. 1982
×*Seleliocereus maynardiae* (Paxton) Guillaumin in Guides Coll. Pl. Viv. Mus. Nation. Hist. Nat., Paris 4(2): 51. 1937
×*Seleliocereus neubertii* Doweld in Sukkulente 4(1-2): 43. 2002 ["2001"]
×*Seleniaporus* G.D.Rowley in Epiphytes 4(13): 13. 1972
×*Seleniopsis* G.D.Rowley in Cactaceae Syst. Init. 18: 13. 2004
×*Seleniphylchia* Süpplie in Succulenta (Netherlands) 67: 258. 1988
×*Seleniphyl* G.D.Rowley in Backeberg, Cactaceae 6: 3557. 1962
≡ *Seleniphyl* G.D.Rowley in Backeberg, Cactaceae 6: 3557. 1962
×*Seleniphyl* *cooperi* G.D.Rowley in Backeberg, Cactaceae 6: 3557. 1962
×*Seleniporocactus* G.D.Rowley in Natl. Cact. Succ. J. 37: 79. 1982
×*Selenirisia* G.D.Rowley in Natl. Cact. Succ. J. 37: 79. 1982
×*Selenochia* G.D.Rowley in Natl. Cact. Succ. J. 37: 79. 1982
×*Setidenmoza* Backeb., Cactaceae 2: 991. 1959
×*Stenilloca* P.V.Heath in Calyx 5(3): 102. 1996

- ×*Stenillocastrum glassii* (P.V.Heath) P.V.Heath in *Calyx* 5: 102. 1996
- ×*Stenobisnaga* Doweld in *Sukkulenty* 8: 16. 2005
- ×*Stenomyrtillus* G.D.Rowley, *Name that Succulent*: 137. 1980
- ×*Sulcocalycium* P.V.Heath in *Calyx* 1: 118. 1992
- ×*Thechinocactus* Berresf. in *CactusWorld* 32: 214. 2014
- ×*Thelobergia* Hirao, *Colour Encycl. Cacti*: 30. 1979
- ×*Timmermansara* P.V.Heath in *Calyx* 1: 104. 1992
- ×*Trichoechinopsis* Backeb., *Cactaceae* 2: 1283. 1959, *nom. inval.*
- ×*Trichoechinopsis imperialis* (Hummel) Backeb., *Cactaceae* 2: 1283. 1959, *comb. inval.*
- *Echinopsis* ×*imperialis* Hummel in *Cact. Succ. J. (Los Angeles)* 7: 82. 1935, *nom. inval. syn. sec. Kew WCVP* (2019)
- ×*Tricholobivivopsis* P.V.Heath in *Calyx* 1: 111. 1992
- ×*Trichomoza* Font & Picca in *Bradleya* 19: 59. 2001
- ×*Trichomoza roseiflora* Font & Picca in *Bradleya* 19: 59. 2001
- ×*Trichopsis* Y.Itô, *Cactaceae*: 638. 1981
- ×*Turbiniphora* Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12: 7. 2005
- ×*Turbiniphora panarottoi* Halda & Malina in *Acta Mus. Richnov., Sect. Nat.*, 12: 8. 2005
- ×*Uebelechinopsis* G.D.Rowley, *Teratopia*: 101, 280. 2006
- ×*Weberbostoa* G.D.Rowley in *Bradleya* 12: 6. 1994
- ×*Weinganopsis* G.D.Rowley in *Bradleya* 12: 6. 1994
- ×*Weinocalycium* P.V.Heath in *Calyx* 1: 119. 1992
- ×*Wessnerara* Mordhorst in *Kakteen And. Sukk.* 71(6): 180. 2020
- ×*Worsleyara* P.V.Heath in *Calyx* 1: 120. 1992
- ×*Yungastocactus* G.D.Rowley in *Brit. Cact. Succ. J.* 22: 64. 2004

Names of uncertain application

- Armatocereus ghiesbreghtii* (K.Schum.) F.Ritter, *Backeberg "Descr. Cact. Nov." Diag. Erört. Taxon. Nomenkl. Fragen*: 31. 1958. *Sec. Hunt* (2016)
- ≡ *Cereus ghiesbreghtii* K.Schum., *Gesamtbeschr. Kakt.*: 81. 1897 *syn. sec. Tropicos*
- Austrocactus intertextus* (Phil.) Speg. in *Anales Soc. Ci. Argent.* 96: 69. 1923. *Sec. Hunt* (2016)
- Austrocephalocereus cactacearum* Backeb. *Sec. Tropicos*
- Austrocyliandropuntia cactacearum* Backeb. *Sec. Tropicos*
- Borzicactus janae* Halda & Horáček in *Cactaceae etc.* 13(1): 17. 2003. *Sec. Hunt* (2016)
- Cactus aculeatissimus* Zeph ex Steud., *Nomencl. Bot.*: 131. 1821, *nom. nud.* *Sec. Britton & Rose* (1922)
- Cactus ambiguus* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. *Sec. WFO* 2019
- = *Mammillaria ambigua* G.Don ex Loudon, *Hort. Brit.*: 194. 1830 *syn. sec. Britton & Rose* (1922)
- Cactus aurantiacus* Lem., *Cactées*: 87. 1868. *Sec. Britton & Rose* (1919)
- Cactus aurantiiformis* Thiery ex Steud., *Nomencl. Bot.*: 131. 1821, *nom. nud.* *Sec. Britton & Rose* (1922)
- Cactus bolivianus* Lem., *Cactées*: 88. 1868, *nom. nud.*
- Cactus coquimbanus* Molina, *Sag. Stor. Nat. Chili*: 170. 1782, *nom. rej.* *Sec. Egli & Walter* (2012)
- *Trichocereus coquimbanus* (Molina) Britton & Rose, *Cactaceae* 2: 139–140, f. 201–202. 1920, *nom. inval.* – *Echinopsis coquimbana* (Molina) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 94. 1974, *nom. inval.* – *Eulychnia coquimbana* (Molina) Albesiano in *Haseltonia* 18: 138. 2012, *nom. inval.* – *Leucostele coquimbana* (Molina) Schlumpb. in *Cactaceae Syst. Init.* 28: 29. 2012, *nom. inval.*
- Cactus luteus* Thiery ex Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840, *nom. nud.* *Sec. Britton & Rose* (1922)
- Cactus royenii* L., *Sp. Pl.*: 467. 1753. *Sec. Franck & al.* (2019)
- ≡ *Cereus royenii* (L.) Mill., *Gard. Dict.*, ed. 8: *Cereus* No. 7. 1768 *syn. sec. Franck & al.* (2019) ≡ *Pilocereus royenii* (L.) Haw. ex Rümpler, *Handb. Cacteenk.*, ed. 2: 682. 1885 *syn. sec. Franck & al.* (2019) ≡ *Cephalocereus royenii* (L.) Britton & Rose in *Contr. U.S. Natl. Herb.* 12: 419. 1909 *syn. sec. Franck & al.* (2019) ≡ *Pilosocereus royenii* (L.) Byles & G.D.Rowley in *Cact. Succ. J. Gr. Brit.* 19(3): 67. 1957 *syn. sec. Franck & al.* (2019)
- = *Cereus floccosus* Pfeiff., *Enum. Diagn. Cact.*: 81. 1837 *syn. sec. Franck & al.* (2019)
- = *Cereus gloriosus* Pfeiff., *Enum. Diagn. Cact.*: 80. 1837 *syn. sec. Kew WCVP* (2019)
- = *Cereus leiocarpus* Bello in *Anales Soc. Esp. Hist. Nat.* 10: 276. 1881 *syn. sec. Franck & al.* (2019)
- = *Pilocereus fouachianus* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* 10: 386. 1904 *syn. sec. Franck & al.* (2019) ≡ *Cereus fouachianus* (F.A.C.Weber ex Rol.-Goss.) Vaupel in *Monatsschr. Kakteenk.* 23: 25. 1913 *syn. sec. Franck & al.* (2019)
- *Cereus royenii* var. *floccosus* Monv. ex Labour., *Monogr. Cactaceae*: 343. 1853, *nom. nud. syn. sec. Britton & Rose* (1920)

Notes. – The true identity of *Cactus royenii* is nearly impossible to verify. From the 1753 protologue, *Cactus royenii* was based only on Royen's account and his citation of Boerhaave's description of a sterile, cultivated specimen of unknown provenance. Linnaeus might have seen this actual plant in cultivation during his visit to Leiden and Royen in 1737-1738. As neotype, Mottram (2013) selected a Burman (1758) version of a Plumier illustration with the vague provenance "insularum Antillanarum", presumably referring to the Lesser Antilles. This Burman illustration is not original material, since Linnaeus only studied Burman's illustrations in 1755 or afterwards (Moroni et al. 2018). Linnaeus may have studied a traced copy in the Codex Boerhaavianus during his stay in Leiden in 1737-1738, if such a version existed, but there still is no documented Linnaean connection between the Plumier illustration and *Cactus royenii*. The Plumier neotype (as well as his 1688 illustration) of *Cactus royenii* depicted rather short, subequal spines unlike plants of the Lesser Antilles which tend to have some conspicuously longer spines often overlapping those of adjacent areoles, especially around the flowering areoles. Plants of the Lesser Antilles with varying spine lengths, some typically exceeding the hairs, are not particularly congruent either with Linnaeus's description of the spines and hairs being equal in length, although this could be due to Linnaeus's description originating probably from a sterile specimen. Plumier's illustrations bear a better semblance to *P. polygonus* from Hispaniola than those of the Lesser Antilles, raising the possibility that the provenance given by Plumier was an error. It does not seem that Plumier's illustrations of the spines of this *Pilosocereus* would be inaccurate, as many of Plumier's illustrations of cacti depict spine lengths in accurate proportions true to the species. However, some flowers or fruits in his cacti illustrations may be untrue (e.g. Burman 1758, tab. 195, fig. 1). With the Plumier neotype of a vague provenance in the Lesser Antilles and it not being a great match for plants of the Lesser Antilles, it makes the application of *P. royenii* much less certain. Although rib number is variable in *Pilosocereus*, technically the Plumier neotype with eight ribs conflicts with the Linnaean description of ten ribs. The neotype proposed by Franck et al. (2019) is from St. John and has 10 ribs, but it is preceded by Mottram's (2013) selection. Mottram (2013) concluded that the specific epithet should be spelled as "*royenii*". [Franck (2021)]

***Cephalocleistocactus pallidus* Backeb., Kakteenlex.: 79. 1966.** Sec. APG [Angiosperm Phylogeny Group] (2009)

***Cereus aculeatus* C.F.Först., Handb. Cacteenk.: 433. 1846.** Sec. Britton & Rose (1920)

***Cereus albertinii* Fobe in Monatsschr. Kakteenk. 18: 175. 1908.** Sec. Britton & Rose (1920)

***Cereus albispinus* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 5. 1822.** Sec. Franck & al. (2019)

≡ *Pilocereus albispinus* (Salm-Dyck) Rümpler, Handb. Cacteenk., ed. 2: 649. 1885 syn. sec. Franck & al. (2019) ≡ *Cereus*

serpentinus var. *albispinus* (Salm-Dyck) Weing. in Monatsschr. Kakteenk. 18: 30. 1908 syn. sec. Franck & al. (2019) ≡

Cephalocereus albispinus (Salm-Dyck) Borg, Cacti, ed. 1: 106. 1937 syn. sec. Franck & al. (2019) ≡ *Subpilocereus albispinus*

(Salm-Dyck) Backeb. in Kakteenkunde 1941: 60. 1941 syn. sec. Franck & al. (2019)

***Cereus amblyogonus* Don, Hort. Brit., ed. 3: 284. 1839.** Sec. Britton & Rose (1920)

***Cereus andryanus* K.Schum., Gesamtbeschr. Kakt.: 196. 1897.** Sec. Britton & Rose (1920)

***Cereus arcuatus* Zucc. in Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 2: 680. 1837.** Sec. Britton & Rose (1920)

***Cereus atrovirens* C.F.Först., Handb. Cacteenk.: 433. 1846.** Sec. Britton & Rose (1920)

***Cereus auratus* Labour., Rev. Hort. IV, 4: 27. 1855.** Sec. Britton & Rose (1923)

≡ *Pilocereus auratus* Labour. ex Rümpler, Handb. Cacteenk., ed. 2: 650. 1885 syn. sec. Britton & Rose (1923)

= *Echinocactus dumelianus* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 39. 1850 syn. sec. Kew WCVP (2019)

= *Echinopsis aurata* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 39. 1850 syn. sec. Britton & Rose (1922)

= *Cereus auratus* var. *intermedius* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860 syn. sec. Kew WCVP (2019)

= *Cereus auratus* var. *mollissimus* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860 syn. sec. Kew WCVP (2019)

= *Cereus auratus* var. *pilosus* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860 syn. sec. Kew WCVP (2019)

***Cereus aureus* Salm-Dyck ex DC., Prodr. 3: 465. 1828.** Sec. Franck & al. (2019)

***Cereus bonariensis* Sweet, Hort. Brit., ed. 3: 283. 1839.** Sec. Britton & Rose (1920)

***Cereus brachiatus* Galeotti ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 195. 1850.** Sec. Britton & Rose (1920)

***Cereus caudatus* Gillies ex Sweet, Hort. Brit., ed. 3: 285. 1839.** Sec. Britton & Rose (1920)

***Cereus columnaris* Loddiges ex Voigt, Hort. Suburb. Calcutt.: 61. 1845.** Sec. Britton & Rose (1920)

***Cereus concinnus* Haage in Schumann, Gesamtbeschr. Kakt.: 167. 1897.** Sec. Britton & Rose (1920)

***Cereus crenulatus* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 6. 1822.** Sec. Franck & al. (2019)

***Cereus cubensis* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 94. 1837, nom. rej.** Sec. Franck (2016)

≡ *Harrisia cubensis* (Zucc. ex Seitz) Greuter & R.Rankin, Espermat. Cuba Invent. Prelim.: XII. 2016

***Cereus decorus* Loddiges ex Voigt, Hort. Suburb. Calcutt.: 62. 1845.** Sec. Britton & Rose (1920)

***Cereus demacaro* Haage in Schumann, Gesamtbeschr. Kakt.: 167. 1897.** Sec. Britton & Rose (1920)

***Cereus enriquezii* Elliott in Monatsschr. Kakteenk. 19: 92. 1909.** Sec. WFO 2019

***Cereus erectus* Karw. ex Pfeiff., Enum. Diagn. Cact.: 95. 1837.** Sec. Franck (2021)

***Cereus erinaceus* (Haw.) Steud., Nomencl. Bot., ed. 2, 1: 334. 1840.** Sec. Britton & Rose (1923)

***Cereus formosus* Monv. in Cat. 1834.** Sec. Arias (2021)

- Cereus fulvispinosus* Haw., Syn. Pl. Succ.: 183. 1812.** Sec. Franck & al. (2019)
 ≡ *Cactus fulvispinosus* (Haw.) Spreng., Syst. Veg., ed. 16, 2: 497. 1825 syn. sec. Franck & al. (2019) ≡ *Pilocereus fulvispinosus* (Haw.) K.Schum., Gesamtbeschr. Kakt.: 196. 1897 syn. sec. Franck & al. (2019)
- Cereus geminisetus* Rchb., Suppl. Cact. Verz.: 3. 1840.** Sec. Britton & Rose (1920)
- Cereus guasabara* Cortés, Fl. Columb.: 208. 1897.** Sec. Britton & Rose (1923)
 = *Cereus vulnerator* Cortés, Fl. Colombia: 69. 1897 syn. sec. Britton & Rose (1923)
- Cereus horrens* Lem., Hort. Universel 6: 60. 1844.** Sec. WFO 2019
- Cereus humilis* DC., Prodr. 3: 468. 1828.** Sec. Britton & Rose (1920)
 – *Cereus myriacaulon* Mart. ex Pfeiff., Enum. Diagn. Cact.: 115. 1837, nom. inval. syn. sec. Britton & Rose (1920)
- Cereus huntingtonianus* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 4: 165. 1932.** Sec. Hunt (2016)
- Cereus incrassatus* Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 6: 432. 1830.** Sec. Britton & Rose (1920)
- Cereus jacquinii* Rebut in Schumann, Gesamtbeschr. Kakt.: 167. 1897.** Sec. Britton & Rose (1920)
- Cereus karwinskii* Haage in Schumann, Gesamtbeschr. Kakt.: 167. 1897.** Sec. Britton & Rose (1920)
- Cereus labouretianus* Mart. in Schumann, Gesamtbeschr. Kakt.: 112. 1897, nom. nud.** Sec. Britton & Rose (1920)
- Cereus langlassei* Weing. in Monatsschr. Kakteenk. 14: 145. 1904.** Sec. Britton & Rose (1920)
- Cereus longifolius* Karw. ex Sweet, Hort. Brit., ed. 3: 286. 1839, nom. nud.** Sec. Britton & Rose (1920)
- Cereus longipendunculatus* C.F.Först., Handb. Cacteenk.: 433. 1846.** Sec. Britton & Rose (1920)
- Cereus lormata* C.A.Maass in Monatsschr. Kakteenk. 15: 119. 1905.** Sec. Britton & Rose (1920)
- Cereus lutescens* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 84. 1837.** Sec. Franck & al. (2019)
 ≡ *Pilocereus lutescens* (Salm-Dyck ex Pfeiff.) Rümpler, Handb. Cacteenk., ed. 2: 675. 1885 syn. sec. Franck & al. (2019)
 – *Cereus trichacanthus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 46. 1850, nom. nud. syn. sec. Franck & al. (2019)
 – *Pilocereus trichacanthus* Rümpler, Handb. Cacteenk., ed. 2: 675. 1885, nom. nud. syn. sec. Franck & al. (2019)
- Cereus macracanthus* Linke in Allg. Gartenzeitung 25: 239. 1857.** Sec. Britton & Rose (1920)
- Cereus magnus* Haw. in Philos. Mag. Ann. Chem. 9: 109. 1830.** Sec. Britton & Rose (1920)
- Cereus malletianus* J.F.Cels ex K.Schum., Gesamtbeschr. Kakt.: 120. 1897.** Sec. Britton & Rose (1920)
- Cereus mariculi* Pfeiff., Enum. Diagn. Cact.: 115. 1837.** Sec. WFO 2019
- Cereus marmoratus* Zeiss. in Cat. 1899.** Sec. WFO 2019
- Cereus martini* Dupuis in Rev. Hort. (Paris) sér. 4, 9: 657. 1860.** Sec. Arias (2021)
- Cereus monoclonus* DC., Prodr.: 464. 1828.** Sec. Franck & al. (2019)
 ≡ *Cephalocereus monoclonus* (DC.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 418. 1909 syn. sec. Franck & al. (2019) ≡ *Pilocereus monoclonus* (DC.) F.M.Knuth, Kaktus-ABC: 332. 1936 ["1935"] syn. sec. Franck & al. (2019) ≡ *Pilosocereus monoclonus* (DC.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Franck & al. (2019) ≡ *Melocactus monoclonus* DC. ex Steud., Nomencl. Bot., ed. 2, 2(2-5): 122. 1841 syn. sec. Franck & al. (2019)
- Notes. – This name has the same type as *Cactus royenii*, and its application suffers from the same issues. [Franck (2021)]
- Cereus monvilleanus* F.A.C.Weber ex K.Schum., Gesamtbeschr. Kakt.: 67. 1897.** Sec. WFO 2019
 ≡ *Cleistocactus monvilleanus* (F.A.C.Weber ex K.Schum.) F.A.C.Weber in Roland-Gosselin, Cleistocactus: 17. 1904 syn. sec. WFO 2019
- Cereus niger* Salm-Dyck, Observ. Bot. Hort. Dyck. 3: 4. 1822.** Sec. Franck & al. (2019)
 ≡ *Cactus niger* (Salm-Dyck) Spreng., Syst. Veg., ed. 16, 2: 495. 1825 syn. sec. Franck & al. (2019)
- Cereus nigricans* Lem., Cact. Gen. Sp. Nov.: 57. 1839.** Sec. Franck & al. (2019)
 ≡ *Pilocereus nigricans* (Lem.) Lem. in Ill. Hort. 13(Misc.): 20. 1866 syn. sec. Franck & al. (2019)
- Cereus nobilis* Haw., Syn. Pl. Succ.: 179. 1812.** Sec. Franck & al. (2019)
 ≡ *Pilocereus nobilis* (Haw.) K.Schum. in Engler & Prantl, Nat. Pflanzenfam. 3(6a): 181. 1894 syn. sec. Franck & al. (2019) ≡ *Cephalocereus nobilis* (Haw.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 418. 1909 syn. sec. Franck & al. (2019) ≡ *Pilosocereus nobilis* (Haw.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957 syn. sec. Franck & al. (2019) ≡ *Pseudopilocereus nobilis* (Haw.) Buxb. in Beitr. Biol. Pflanzen 44: 253. 1968 syn. sec. Franck & al. (2019)
 = *Cereus haworthii* DC., Prodr. 3: 465. 1828 syn. sec. Kew WCVP (2019) ≡ *Cactus haworthii* (DC.) Spreng., Syst. Veg., ed. 16, 2: 495. 1825 syn. sec. Zappi (1994) ≡ *Pilocereus haworthii* (DC.) Console ex Lem. in Rev. Hort. 1862: 428. 1862 syn. sec. Zappi (1994)
- Notes. – Sprengel cited *Cereus nobilis* in synonymy for his *Cactus haworthii*. Lemaire cited Sprengel's name but simultaneously excluded *Cereus nobilis*, which is contradictory since they are homotypic. [Franck (2021)]
- Cereus nothus* Blume in Monatsschr. Kakteenk. 4: 173. 1894.** Sec. WFO 2019
- Cereus pachyrrhizus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 33. 1903.** Sec. Hunt (2016)
 ≡ *Piptanthocereus pachyrrhizus* (K.Schum.) F.Ritter, Kakteen Südamerika 1: 259. 1979 syn. sec. Kew WCVP (2019)
- Cereus panoplaeatus* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 44. 1850.** Sec. Britton & Rose (1920)

- Cereus panoploeatus* Monv., Hort. Universel 1: 220. 1839. Sec. Korotkova (2021)
- Cereus peanii* Beguin in Monatsschr. Kakteenk. 4: 173. 1894. Sec. Britton & Rose (1920)
- Cereus perviridis* Weing. in Haage & Schmidt, Hauptverz. Pfl. 1914: 231. 1914. Sec. Britton & Rose (1923)
- Cereus pitajaya* var. *variabilis* Weing. in Monatsschr. Kakteenk. 16: 158. 1906
- Cereus polymorphus* (Gill.) G.Don, Hort. Brit.: 195. 1830. Sec. Britton & Rose (1920)
= *Cactus polymorphus* Gillies ex Loudon, Hort. Brit.: 195. 1830 syn. sec. Britton & Rose (1920)
- Cereus polyptychus* Lem., Cact. Gen. Sp. Nov.: 56. 1839. Sec. Franck (2021)
≡ *Pilocereus polyptychus* (Lem.) Rümpler, Handb. Cacteenk., ed. 2: 680. 1885 syn. sec. Franck (2021)
- Cereus pomifer* Weing. in Z. Sukkulenteenk. 3: 70. 1927. Sec. Bauer (2003)
- Cereus pruinosus* Rojas Acosta in Monatsschr. Kakteenk. 11: 181. 1901. Sec. Britton & Rose (1920)
- Cereus pycnananthus* Salm-Dyck in Allg. Gartenzeitung 13: 355. 1845. Sec. Britton & Rose (1920)
≡ *Cereus chiloensis* var. *pycnanthus* (Salm-Dyck) K.Schum., Gesamtbeschr. Kakt.: 63. 1897 syn. sec. Kew WCVP (2019)
- Cereus quadrangulispinus* Lem. ex Ehrenb. in Linnaea 19: 363. 1847, nom. nud. Sec. Britton & Rose (1920)
- Cereus regalis* Haw. ex Spreng., Syst. Veg. 2: 496. 1825. Sec. Britton & Rose (1920)
- Cereus rigidispinus* Monv. in Hort. Universel 1: 223. 1840. Sec. Britton & Rose (1920)
= *Cereus hildmannii* K.Schum., Gesamtbeschr. Kakt.: 57. 1897 syn. sec. Britton & Rose (1920)
- Cereus rigidus* Lem. ex Salm-Dyck, Hort. Dyck.: 34. 1834. Sec. Britton & Rose (1920)
- Cereus rogalli* K.Schum. in Monatsschr. Kakteenk. 9: 96. 1899. Sec. Britton & Rose (1920)
- Cereus salpingensis* K.Schum. in Monatsschr. Kakteenk. 11: 181. 1901. Sec. Britton & Rose (1920)
- Cereus schoenemannii* Hildm. in Monatsschr. Kakteenk. 5: 43. 1895. Sec. Britton & Rose (1920)
- Cereus serpentinus* var. *strictior* Walp., Repert. Bot. Syst. 2: 278. 1843, nom. nud. Sec. Britton & Rose (1920)
- Cereus spathulatus* C.F.Först., Handb. Cacteenk.: 433. 1846. Sec. Britton & Rose (1920)
- Cereus spinibarbis* Hort.Berol. ex Pfeiff., Enum. Diagn. Cact.: 86. 1837, nom. rej. Sec. Eggl & Walter
≡ *Echinocereus spinibarbis* (Hort.Berol. ex Pfeiff.) K.Schum. in Monatsschr. Kakteenk. 5: 124. 1895 ≡ *Trichocereus spinibarbis* (Hort.Berol. ex Pfeiff.) F.Ritter in Kakteen And. Sukk.: 212. 1965 ≡ *Echinopsis spinibarbis* (Hort.Berol. ex Pfeiff.) A.E.Hoffm., Cact. Fl. Silvestre Chile: 90. 1989 syn. sec. Hunt (2016) ≡ *Eulychnia spinibarbis* (Hort.Berol. ex Pfeiff.) Britton & Rose, Cactaceae 2: 82. 1920
= *Cereus panoplaeatus* Monv., Hort. Universel 1: 220. 1840 syn. sec. Britton & Rose (1920)
= ?*Cereus tortus* C.F.Först., Handb. Cacteenk.: 391. 1846 syn. sec. Britton & Rose (1920)
= *Cereus breviflorus* K.Schum., Gesamtbeschr. Kakt., Nachtr. 1: 23. 1903 syn. sec. Britton & Rose (1920)
- Cereus spinibarbis* var. *minor* Monv. ex Labour., Monogr. Cact.: 334. 1853. Sec. Korotkova (2021)
- Cereus spinibarbis* var. *purpureus* Monv. ex Labour., Monogr. Cact.: 334. 1853. Sec. Korotkova (2021)
- Cereus steckmannii* Jacobi in Monatsschr. Kakteenk. 5: 43. 1895. Sec. Britton & Rose (1920)
- Cereus stolonifer* F.A.C.Weber ex K.Schum. in Monatsschr. Kakteenk. 5: 43. 1895. Sec. Britton & Rose (1923)
- Cereus strictus* DC., Prodr. 3: 465. 1828. Sec. Franck & al. (2019)
≡ *Pilocereus strictus* (DC.) Rümpler, Handb. Cacteenk., ed. 2: 687. 1885 syn. sec. Franck & al. (2019) ≡ *Cephalocereus strictus* (DC.) Borg, Cacti, ed. 1: 105. 1937 syn. sec. Franck & al. (2019) ≡ *Cactus strictus* Willd., Enum. Pl., Suppl.: 32. 1814, nom. illeg. syn. sec. Franck & al. (2019)
= *Cereus mollis* Pfeiff., Enum. Diagn. Cact.: 83. 1837 syn. sec. Franck & al. (2019)
= *Cereus nigricans* Pfeiff., Enum. Diagn. Cact.: 83. 1837 syn. sec. Franck & al. (2019)
= *Pilocereus strictus* var. *consolei* K.Schum., Gesamtbeschr. Kakt.: 190. 1897 syn. sec. Franck & al. (2019)
= *Pilocereus strictus* var. *fouachianus* K.Schum., Gesamtbeschr. Kakt.: 190. 1897 syn. sec. Franck & al. (2019)
- Cereus subintortus* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 381. 1846. Sec. Britton & Rose (1920)
- Cereus subintortus* var. *flavispinus* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 381. 1846. Sec. Britton & Rose (1920)
- Cereus subrepandus* Haw., Suppl. Pl. Succ.: 78. 1819, nom. rej. Sec. Franck (2016)
≡ *Cactus subrepandus* (Haw.) Spreng., Syst. Veg., ed. 16, 2: 495. 1825 syn. sec. Franck (2021) ≡ *Eriocereus subrepandus* (Haw.) Riccob. in Boll. Reale Orto Bot. Palermo 8: 243. 1909 syn. sec. Franck (2012)
- Cereus tellii* Griseb. in Monatsschr. Kakteenk. 5: 43. 1895. Sec. Britton & Rose (1920)
- Cereus tenellus* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 109. 1837. Sec. Britton & Rose (1920)
- Cereus trichocentrus* C.F.Först., Handb. Cacteenk.: 433. 1846. Sec. Britton & Rose (1920)
- Cereus trigonus* var. *quadrangularis* Haw., Syn. Pl. Succ.: 181. 1812. Sec. Britton & Rose (1920)
- Cereus tripteris* Salm-Dyck ex DC., Prodr. 3: 468. 1828. Sec. Britton & Rose (1923)
- Cereus truncatus* var. *altensteinii* Salm-Dyck, Hort. Dyck.: 65. 1834. Sec. Britton & Rose (1923)
- Cereus undulatus* D.Dietr., Syn. Pl. 3: 104. 1842. Sec. Britton & Rose (1920)
- Cereus ureacanthus* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 166. 1861. Sec. Britton & Rose (1920)

- Cereus verschaffeltii* Haage in Schumann, *Gesamtbeschr. Kakt.*: 167. 1897. Sec. Britton & Rose (1920)
- Cereus violaceus* Lem., *Cact. Gen. Sp. Nov.*: 57. 1839. Sec. Franck & al. (2019)
- Cereus xanthochaetus* Rchb. in *Suppl. Cact. Verz.*: 4. 1840. Sec. Britton & Rose (1920)
- Clavarioidia* Kreuz., *Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 41. 1935, **nom. inval.**
- Clavarioidia clavarioides* (Pfeiff.) Kreuz., *Verzeichnis Amer. Sukk. Rev. Syst. Kakteen*: 41. 1935, **nom. inval.**
- Copiapoa malletiana* (Lem. ex Salm-Dyck) Backeb., *Kaktus-ABC*: 280. 1936 ["1935"]. Sec. Hunt (2016)
- Corryocactus prostratus* F.Ritter, *Kakteen Südamerika* 4: 1283. 1981. Sec. Hunt (2016)
- Coryphantha conspicua* Lem., *Cactées*: 34. 1868. Sec. Britton & Rose (1923)
- Coryphantha hookeri* Lem., *Cactées*: 34. 1868. Sec. Britton & Rose (1923)
- Coryphantha sublanata* Lem., *Cactées*: 35. 1868. Sec. Britton & Rose (1923)
- Cylindropuntia densiaculeata* Backeb., *Descr. Cact. Nov.* 1: 6. 1957 ["1956"]. Sec. WFO 2019
 ≡ *Opuntia densiaculeata* (Backeb.) G.D.Rowley in *Natl. Cact. Succ. J.* 13: 4. 1958 syn. sec. Kew WCVP (2019)
- Discocactus subnudus* Britton & Rose, *Cactaceae* 3: 217. 1922. Sec. Britton & Rose (1922)
 ≡ *Echinocactus subnudus* (Britton & Rose) Luetzelb. in *Estud. Bot. Nordéste* 3: 111. 1926 syn. sec. Kew WCVP (2019)
- Echinocactus acanthion* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 31. 1850. Sec. Britton & Rose (1922)
- Echinocactus acutispinus* Hildm. in *Deutsche Gärt.-Zeitung* 5: 44. 1895. Sec. Britton & Rose (1922)
- Echinocactus adversispinus* Muehlenpf. in *Allg. Gartenzeitung* 16: 10. 1848. Sec. Britton & Rose (1922)
- Echinocactus amazonicus* Witt in *Monatsschr. Kakteenk.* 12: 29. 1902. Sec. Britton & Rose (1922)
- Echinocactus armatissimus* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 162. 1861. Sec. Britton & Rose (1922)
- Echinocactus brachycentrus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 31. 1850. Sec. Britton & Rose (1922)
- Echinocactus buchheimianus* Haage in Quehl in *Monatsschr. Kakteenk.* 9: 74. 1899. Sec. Britton & Rose (1923)
- Echinocactus centeterius* var. *major* Lem. & Monv., *Cact. Gen. Sp. Nov.*: 91. 1839. Sec. Metzging (2021)
- Echinocactus cerebriformis* Macloskie in *Rep. Princeton Univ. Exp. Patagonia, Botany* 8(2): 593. 1905. Sec. Britton & Rose (1922)
- Echinocactus cereiformis* DC. in *Mém. Mus. Hist. Nat.* 17: 115. 1828. Sec. Britton & Rose (1922)
- Echinocactus confertus* C.F.Först., *Handb. Cacteenk.*: 346. 1846. Sec. Britton & Rose (1922)
- Echinocactus criocereus* Lem., *Monogr. Cact.*: 178. 1853. Sec. Britton & Rose (1922)
 – *Echinocactus criocerus* Lem. ex Labour., *Monogr. Cact.*: 178. 1853 syn. sec. TPL (2013) [is misspelling for *Echinocactus criocereus* Lem.]
- Echinocactus cupulatus* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 161. 1861. Sec. Britton & Rose (1922)
- Echinocactus darrahii* K.Schum. in *Monatsschr. Kakteenk.* 12: 21. 1902, **nom. nud.** Sec. Britton & Rose (1923)
- Echinocactus debilispinus* A.Berg in *Allg. Gartenzeitung* 8: 131. 1840. Sec. Britton & Rose (1922)
- Echinocactus dicracanthus* Hortus ex Forbes, *Journ. Hort. Tour Germ.*: 160. 1837, **nom. nud.** Sec. Britton & Rose (1923)
- Echinocactus echinatus* J.Forbes in *Journ. Hort. Tour Germ.*: 152. 1837. Sec. Britton & Rose (1922)
- Echinocactus emoryi* var. *chrysacanthus* (Orcutt) K.Schum., *Gesamtbeschr. Kakt.*: 99. 1897. Sec. Britton & Rose (1922)
- Echinocactus flavicoma* Endl. in *Monatsschr. Kakteenk.* 19: 139. 1909. Sec. Britton & Rose (1922)
- Echinocactus flexuosus* A.Dietr. in *Allg. Gartenzeitung* 19: 347. 1851. Sec. Britton & Rose (1922)
- Echinocactus fluctuosus* A.Dietr. in *Allg. Gartenzeitung* 19: 154. 1851. Sec. Britton & Rose (1922)
- Echinocactus försteri* Stieber in *Bot. Zeitung (Berlin)* 5: 491. 1847. Sec. Britton & Rose (1922)
- Echinocactus gigas* Pfeiff. ex C.F.Först., *Handb. Cacteenk.*: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus glabrescens* F.A.C.Weber in *Monatsschr. Kakteenk.* 8: 98. 1898. Sec. Britton & Rose (1922)
- Echinocactus griseispinus* Jacobi in *Allg. Gartenzeitung* 24: 99. 1856. Sec. Britton & Rose (1922)
- Echinocactus hemifossus* Lem. in *Ill. Hort.* 5(Misc.): 10. 1858. Sec. Britton & Rose (1922)
- Echinocactus hemifossus* var. *gracilispinus* W.Wight in *Ill. Hort.* 5(Misc.): 10. 1858. Sec. Britton & Rose (1922)
- Echinocactus hempelianus* K.Schum. in *Monatsschr. Kakteenk.* 15: 178. 1905. Sec. Britton & Rose (1922)
- Echinocactus hexacanthus* Muehlenpf. in *Allg. Gartenzeitung* 14: 369. 1846. Sec. Britton & Rose (1922)
- Echinocactus hexaedrus* Scheidw. in *Bull. Acad. Roy. Sci. Bruxelles* 6: 89. 1839. Sec. Britton & Rose (1923)
- Echinocactus heyderi* A.Dietr. in *Allg. Gartenzeitung* 14: 170. 1846. Sec. Britton & Rose (1922)
- Echinocactus heynei* Markgr. in *Monatsschr. Kakteenk.* 20: 190. 1910. Sec. Britton & Rose (1922)
- Echinocactus hystrichocentrus* A.Berg in *Allg. Gartenzeitung* 8: 131. 1840. Sec. Britton & Rose (1922)
- Echinocactus hystrichodes* Lem., *Cact. Gen. Sp. Nov.*: 17. 1839. Sec. Britton & Rose (1922)
- Echinocactus inflatus* Gillies ex Steud., *Nomencl. Bot.*, ed. 2, 1: 536. 1840. Sec. Britton & Rose (1923)
- Echinocactus jenischianus* Pfeiff. in *Allg. Gartenzeitung* 8: 406. 1840. Sec. WFO 2019

- Echinocactus junori* Turcz. ex Kar. & Kir. in *Monatsschr. Kakteenk.* 8: 107. 1898. Sec. Britton & Rose (1922)
- Echinocactus lancifer* Rehb. ex Walp., *Repert. Bot. Syst.* 2: 320. 1843. Sec. Britton & Rose (1922)
- Echinocactus latispinosus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 6: 431. 1830. Sec. Britton & Rose (1922)
- Echinocactus lecontei* var. *albispinus* Kuhl. in *Monatsschr. Kakteenk.* 17: 32. 1907. Sec. Britton & Rose (1922)
- Echinocactus lecontei* var. *hagei* Miq. in *Monatsschr. Kakteenk.* 14: 144. 1904. Sec. Britton & Rose (1922)
- Echinocactus linkeanus* A.Dietr. in *Allg. Gartenzeitung* 16: 298. 1848. Sec. Britton & Rose (1922)
- Echinocactus longispinus* Scheidw. in *Förster, Handb. Cacteenk.*: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus macrocephalus* Muehlenpf. in *Allg. Gartenzeitung* 14: 370. 1846. Sec. Britton & Rose (1922)
- Echinocactus mammillifer* Miq. in *Linnaea* 12: 8. 1838. Sec. Britton & Rose (1922)
- Echinocactus marisianus* Galeotti ex K.Schum., *Gesamtbeschr. Kakt.*: 339. 1898. Sec. Britton & Rose (1922)
- Echinocactus martinii* Cels ex K.Schum., *Gesamtbeschr. Kakt.*: 297. 1898. Sec. Britton & Rose (1922)
- Echinocactus melanacanthus* Monv. Sec. Britton & Rose (1922)
- Echinocactus merckeri* Hildm. in *Monatsschr. Kakteenk.* 5: 92. 1905. Sec. Britton & Rose (1922)
- Echinocactus micracanthus* Fennell in *Förster, Handb. Cacteenk.*: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus multangularis* Voigt ex Schumann, *Gesamtbeschr. Kakt.*: 348. 1898. Sec. Britton & Rose (1922)
- Echinocactus neumannianus* Labour., *Monogr. Cact.*: 245. 1853. Sec. Korotkova (2021)
- Echinocactus ochroleucus* Jacobi in *Allg. Gartenzeitung* 24: 101. 1856. Sec. Britton & Rose (1922)
- Echinocactus octacanthus* Muehlenpf. in *Allg. Gartenzeitung* 16: 10. 1848. Sec. Britton & Rose (1922)
- Echinocactus olacogonus* Audot in *Rev. Hort.* 6: 248. 1845. Sec. Britton & Rose (1922)
- Echinocactus oreptilis* Haage in *Förster, Handb. Cacteenk.*: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus ourselianus* var. *albispinus* Hand.-Mazz. ex Pax & K.Hoffm. in *Monatsschr. Kakteenk.* 5: 111. 1895. Sec. Britton & Rose (1922)
- Echinocactus oxyacanthus* J.Forbes in *Journ. Hort. Tour Germ.*: 152. 1837. Sec. Britton & Rose (1922)
- Echinocactus pachycentrus* Lehm. ex Pfeiff., *Enum. Diagn. Cact.*: 66. 1837. Sec. Metzinger (2021)
- ≡ *Echinocactus centeterius* var. *pachycentrus* (Lehm. ex Pfeiff.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 33. 1850 syn. sec. Metzinger (2021) ≡ *Echinocactus centeterius* f. *pachycentrus* (Lehm. ex Pfeiff.) Schelle, *Kakteen*: 235. 1926 syn. sec. Metzinger (2021)
- Echinocactus pelachicus* Markgr. in *Monatsschr. Kakteenk.* 20: 39. 1910. Sec. Britton & Rose (1922)
- Echinocactus pepinianus* K.Schum., *Gesamtbeschr. Kakt.*: 420. 1898. Sec. Korotkova (2021)
- Echinocactus platycarpus* Hort. ex C.F.Först., *Handb. Cacteenk.*: 347. 1846, **nom. nud.** Sec. Britton & Rose (1922)
- Echinocactus plicatilis* Irmsch. in *Monatsschr. Kakteenk.* 1: 22. 1891. Sec. Britton & Rose (1922)
- Echinocactus pluricostatus* Gagnep. in *Monatsschr. Kakteenk.* 4: 193. 1894. Sec. Britton & Rose (1922)
- Echinocactus praegnacanthus* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 160. 1861. Sec. Britton & Rose (1923)
- Echinocactus punctulatus* Kitag. in *Monatsschr. Kakteenk.* 5: 106. 1895. Sec. Britton & Rose (1922)
- Echinocactus purpureus* Y.C.Chu in *Monatsschr. Kakteenk.* 5: 106. 1895. Sec. Britton & Rose (1923)
- Echinocactus pyramidalis* Pfeiff., *Enum. Diagn. Cact.*: 86. 1837. Sec. WFO 2019
- Echinocactus pyramidatus* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 162. 1861. Sec. Britton & Rose (1922)
- Echinocactus quadrinatus* Wegener in *Allg. Gartenzeitung* 2: 66. 1834. Sec. Britton & Rose (1922)
- = *Echinocactus wegeneri* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 31. 1850 syn. sec. Britton & Rose (1922)
- Echinocactus rapa* Fisch. & C.A.Mey. ex Regel, *Sert. Petrop.*: t. 33. 1869. Sec. WFO 2019
- Echinocactus raphidacanthus* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 160. 1850. Sec. Korotkova (2021)
- Echinocactus raphidocentrus* Jacobi in *Allg. Gartenzeitung* 24: 101. 1856. Sec. Britton & Rose (1922)
- Echinocactus rebutii* F.A.C.Weber in *Monatsschr. Kakteenk.* 5: 107. 1895. Sec. Britton & Rose (1922)
- Echinocactus retusus* Scheidw. in *Förster, Handb. Cacteenk.*: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus rhodanthus* J.Forbes in *Journ. Hort. Tour Germ.*: 151. 1837. Sec. Britton & Rose (1923)
- Echinocactus rosaceus* Otto in *Allg. Gartenzeitung* 1: 364. 1833. Sec. Britton & Rose (1922)
- Echinocactus rotherianus* F.Haage ex H.Quehl in *Monatsschr. Kakteenk.* 9: 74. 1899. Sec. Britton & Rose (1922)
- Echinocactus salmii* Jacobi in *Allg. Gartenzeitung* 19: 9. 1851. Sec. Britton & Rose (1922)
- Echinocactus saltensis* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 487. 1905. Sec. Britton & Rose (1922)
- Echinocactus sclerothrix* Lehm. in *Index Seminum (HBG, Hamburgensis)*. 1938. Sec. Britton & Rose (1922)
- Echinocactus sickmannii* Liebm., *Index Seminum (HBG)* 1837: 7. 1837. Sec. Britton & Rose (1922)
- Echinocactus sparathacanthus* Mart. in *Förster, Handb. Cacteenk.*: 344. 1846. Sec. Korotkova (2021)
- Echinocactus spectabilis* Pfeiff., *Enum. Diagn. Cact.*: 61. 1837. Sec. Britton & Rose (1922)

- Echinocactus spinosissimus* J.Forbes in Journ. Hort. Tour Germ.: 152. 1837. Sec. Britton & Rose (1922)
- Echinocactus subgrandicornis* Haage in Förster, Handb. Cacteenk.: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus subniger* Poselg. ex Rümpler, Handb. Cacteenk., ed. 2: 588. 1886. Sec. Britton & Rose (1922)
- Echinocactus tenuiflorus* Link in Salm-Dyck, Cact. Hort. Dyck., 1844: 20. 1844. Sec. Britton & Rose (1922)
- Echinocactus teretispinus* Lem., Hort. Universel 6: 60. 1844. Sec. Britton & Rose (1922)
- Echinocactus tetracentrus* Lem., Cact. Gen. Sp. Nov.: 31. 1839. Sec. Britton & Rose (1923)
- Echinocactus thelephorus* Hortus in Forbes in Journ. Hort. Tour Germ.: 152. 1837. Sec. Britton & Rose (1922)
- Echinocactus towensis* Cels in Schumann, Gesamtbeschr. Kakt.: 409. 1898. Sec. Britton & Rose (1922)
- Echinocactus tribolacanthus* Monv. ex Labour., Monogr. Cact.: 221. 1853. Sec. Britton & Rose (1922)
- Echinocactus trifurcatus* Jacobi in Allg. Gartenzeitung 24: 100. 1856. Sec. Britton & Rose (1922)
- Echinocactus vargasii* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 48. 1860. Sec. Britton & Rose (1923)
- Echinocactus verutum* C.F.Först., Handb. Cacteenk.: 344. 1846. Sec. Britton & Rose (1922)
- Echinocactus villifer* Scheidw. in Förster, Handb. Cacteenk.: 347. 1846. Sec. Britton & Rose (1922)
- Echinocactus weingartianus* Haage Jr. in Quehl in Monatsschr. Kakteenk. 9: 73. 1899. Sec. Britton & Rose (1922)
- Echinocactus wilhelmii* S.A.Mori in Monatsschr. Kakteenk. 5: 108. 1895. Sec. Britton & Rose (1922)
- Echinocactus wislizeni* var. *latispinus* Schelle, Handb. Kakteenkult.: 168. 1907. Sec. Britton & Rose (1922)
- Echinocereus aggregatus* (Engelm.) Rydb. in Bull. Torrey Bot. Club 33: 146. 1906. Sec. Britton & Rose (1922)
- Echinocereus bicolor* Galeotti ex Pfeiff., Abbild. Beschr. Cact. 2: t. 25. 1848. Sec. Britton & Rose (1922)
- Echinocereus boliviensis* Poselg. in Schumann, Gesamtbeschr. Kakt.: 290. 1898. Sec. Britton & Rose (1922)
- Echinocereus claviformis* J.N.Haage in Preis-Verz. Cact.: 22. 1859. Sec. Britton & Rose (1922)
- = *Cereus claviformis* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 46. 1860 syn. sec. Britton & Rose (1922)
- Echinocereus galtieri* Miers in Monatsschr. Kakteenk. 5: 124. 1895. Sec. Britton & Rose (1922)
- Echinocereus grahamii* Teijsm. & Binn. in Monatsschr. Kakteenk. 20: 47. 1910. Sec. Britton & Rose (1922)
- Echinocereus havermansii* Rebut, Gesamtbeschr. Kakt.: 290. 1898. Sec. Britton & Rose (1922)
- Echinocereus malibranii* Rebut. Sec. Britton & Rose (1922)
- Echinocereus mamillosus* Rümpler, Handb. Cacteenk., ed. 2: 787. 1885. Sec. Britton & Rose (1922)
- Echinocereus persolatus* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 163. 1861. Sec. Britton & Rose (1922)
- Echinocereus polycephalus* Britton & Rose, American Cyclopaedia of Horticulture 3: 44. 1910. Sec. Britton & Rose (1922)
- Echinocereus princeps* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 163. 1861. Sec. Britton & Rose (1922)
- Echinocereus propinquus* Bremek. in Monatsschr. Kakteenk. 5: 124. 1895. Sec. Britton & Rose (1922)
- Echinocereus raphicephalus* C.F.Först. in Hamburger Garten- Blumenzeitung 17: 164. 1861. Sec. Britton & Rose (1922)
- Echinocereus thurberi* Rydb. in Monatsschr. Kakteenk. 3: 153. 1893. Sec. Britton & Rose (1922)
- Echinocereus thwaitesii* K.Schum., Gesamtbeschr. Kakt.: 290. 1898. Sec. Britton & Rose (1922)
- Echinocereus trichacanthus* Wimm. in Index Kew.: 44. Sec. Britton & Rose (1920)
- Echinocereus trockyi* Bateman ex Lindl., Monatsschr. Kakteenk. 28(8): [97]. 1918. Sec. Britton & Rose (1922)
- Echinofossulocactus harrisii* Lawr. in Gard. Mag. (London) 17: 318. 1841. Sec. Britton & Rose (1922)
- Echinofossulocactus ignotus-venosus* Lawr. in Gard. Mag. (London) 17: 318. 1841. Sec. Britton & Rose (1922)
- Echinofossulocactus macracanthus* Lawr. in Gard. Mag. (London) 17: 317. 1841. Sec. Britton & Rose (1922)
- *Echinofossulocactus micracanthus* Lawr. in Gard. Mag. (London) 17: 317. 1841 syn. sec. TPL (2013) [is misspelling for *Echinofossulocactus macracanthus* Lawr.]
- Echinopsis beckmannii* Döll in Monatsschr. Kakteenk. 3: 103. 1893. Sec. Britton & Rose (1922)
- Echinopsis boeckmannii* E.S.Burgess in Monatsschr. Kakteenk. 3: 165. 1893. Sec. Britton & Rose (1922)
- Echinopsis boutillieri* Parmentier in Rümpler, Handb. Cacteenk., ed. 2: 622. 1885. Sec. Britton & Rose (1922)
- Echinopsis duvallii* Wedd. in Monatsschr. Kakteenk. 1: 54. 1891. Sec. Britton & Rose (1922)
- Echinopsis fobeana* Rehb.f. in Monatsschr. Kakteenk. 20: 190. 1910. Sec. Britton & Rose (1922)
- Echinopsis lamprochlora* (Lem.) H.Friedrich & Glaetzle in Bradleya 1: 96. 1983. Sec. Hunt (2016)
- ≡ *Cereus lamprochlorus* Lem., Cact. Aliq. Nov.: 30. 1838 syn. sec. Hunt (2016) ≡ *Trichocereus lamprochlorus* (Lem.) Britton & Rose, Cactaceae 2: 132–133, f. 192. 1920 syn. sec. Hunt (2016) ≡ *Echinocereus lamprochlorus* (Lem.) Engelm. ex J.N.Haage in Preis-Verz. Cact.: 22. 1859 syn. sec. Korotkova (2021)
- = *Echinocactus van-gaertii* C.F.Först., Handb. Cacteenk.: 378. 1846 syn. sec. WFO 2019
- = *Echinocactus wangertii* Labour., Monogr. Cactaceae: 326. 1853 syn. sec. Britton & Rose (1920)
- = *Echinocereus lamprochlorus* Rümpler, Handb. Cacteenk., ed. 2: 831. 1885 syn. sec. Britton & Rose (1920)

- Echinopsis leucantha* var. *salpingophora* K.Schum. Sec. Britton & Rose (1922)
- Echinopsis muelleri* Focke in *Monatsschr. Kakteenk.* 6: 144. 1896. Sec. Britton & Rose (1922)
- Echinopsis nigerrima* Schelle, *Handb. Kakteenkult.*: 112. 1907. Sec. Britton & Rose (1922)
- Echinopsis obliqua* Cels ex F.A.C.Weber, *Dict. Hort.*: 472. 1896. Sec. Britton & Rose (1922)
- Echinopsis tacuarembense* Arechav. in *Anales Mus. Nac. Montevideo* 5: 254. 1905. Sec. Britton & Rose (1922)
- ≡ *Cereus tacuarembensis* (Arechav.) Herter in *Estud. Bot. Reg. Uruguay* 4: 90. 1931 ≡ *Cereus tacuarembensis* (Arechav.) Herter in *Estud. Bot. Reg. Uruguay* 4: 90. 1931 syn. sec. Britton & Rose (1922)
- Echinopsis trichosa* (Cárdenas) H.Friedrich & G.D.Rowley in *I.O.S. Bull.* 3(3): 98. 1974. Sec. Hunt (2016)
- ≡ *Trichocereus trichosa* Cárdenas in *Cactus (Paris)* 57: 249. 1957 syn. sec. Hunt (2016)
- Echinopsis valida* Monv. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 181. 1850. Sec. Schlumpberger (2021)
- Notes. – See note under *Leucostele terscheckii* [Schlumpberger (2021)]
- Epiphyllum cruentum* Anon. in *Fl. Mag. (London)*, n.s., 1880: t. 413. 1880, nom. confus. Sec. Arias (2021)
- Epiphyllum floribundum* Kimmach in *Cact. Succ. J. (Los Angeles)* 62: 85. 1990. Sec. Bauer (2003)
- Epiphyllum macropterum* (Lem.) Britton & Rose, *Cactaceae* 4: 193. 1923. Sec. Bauer (2003)
- ≡ *Phyllocactus macropterus* Lem. in *Ill. Hort.* 11(Misc.): 73. 1864 syn. sec. Bauer (2003)
- = *Marniera macroptera* (Lem.) Backeb. in *Cact. Succ. J. (Los Angeles)* 23: 17. 1951 syn. sec. Bauer (2003)
- Escobaria sniceri* Halda, Kupčák & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 7: 35. 2000. Sec. Hunt (2016)
- ≡ *Coryphantha pycnantha* subsp. *sniceri* (Halda, Kupčák & Sladk.) Halda, Kupčák & Sladk. in *Acta Mus. Richnov., Sect. Nat.*, 9: 55. 2002 syn. sec. Kew WCVP (2019)
- Escobaria strobiliformis* (Poselg.) Boed., *Mammillarien-Vergleichs-Schlüssel*: 16. 1933. Sec. Hunt (2016)
- Espostoa baumannii* Knize in *Biota* 7: 263. 1969. Sec. Hunt (2016)
- = *Espostoa baumannii* var. *arborescens* Knize in *Biota* 7: 263. 1969 syn. sec. Hunt (2016)
- Ferocactus californicus* (Monv. ex Labour.) Borg, *Cacti*, ed. 1: 235. 1937. Sec. Hunt (2016)
- ≡ *Echinocactus californicus* Monv. ex Labour., *Monogr. Cact.*: 199. 1853 syn. sec. Hunt (2016)
- Gymnocalycium leptanthum* (Speg.) Speg. in *Anales Soc. Ci. Argent.* 99: 138. 1925. Sec. Hunt (2016)
- ≡ *Echinocactus leptanthus* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 504. 1905 syn. sec. Hunt (2016) ≡ *Echinocactus platensis* var. *leptanthus* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 504. 1905 syn. sec. WFO 2019 ≡ *Gymnocalycium quehlianum* subsp. *leptanthum* (Speg.) H.Till & Amerh. in *Gymnocalycium* 20: 728. 2007 syn. sec. Kew WCVP (2019)
- = *Echinocactus leptanthus* K.Schmidt in *Kakteen-Freund* 4: 10. 1935 syn. sec. WFO 2019
- Gymnocalycium parvulum* (Speg.) Speg. in *Anales Soc. Ci. Argent.* 99: 141. 1925. Sec. Hunt (2016)
- ≡ *Echinocactus platensis* var. *parvulum* Speg. in *Anales Mus. Nac. Buenos Aires*, ser. 3, 4: 505. 1905 syn. sec. Hunt (2016) ≡ *Gymnocalycium platense* var. *parvulum* (Speg.) Y.Itô, *Saboten*: 89. 1962 syn. sec. Hunt (2016)
- Hylocereus microcladus* Backeb. in *Repert. Spec. Nov. Regni Veg.* 51: 61. 1942. Sec. Bauer (2003)
- Hylocereus schomburgkii* (C.F.Först.) Backeb., *Cactaceae* 2: 816. 1959, nom. nud. Sec. Bauer (2003)
- *Cereus schomburgkii* C.F.Först., *Handb. Cacteenk.*: 422. 1846, nom. nud. syn. sec. Bauer (2003)
- Lobivia boliviensis* var. *croceantha* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia boliviensis* var. *rubriflora* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia boliviensis* var. *violaciflora* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia caespitosa* var. *altiplani* F.Ritter, *Kakteen Südamerika* 2: 569. 1980. Sec. Korotkova (2021)
- Lobivia caespitosa* var. *columnaris* Y.Itô, *Cactaceae*: 642. 1981. Sec. Korotkova (2021)
- Lobivia caespitosa* var. *rinconadensis* F.Ritter, *Kakteen Südamerika* 2: 569. 1980. Sec. Korotkova (2021)
- Lobivia haageana* f. *leucoerythrantha* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
- ≡ *Lobivia haageana* var. *leucoerythrantha* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]
- Mammillaria aciculata* Otto ex Pfeiff., *Enum. Diagn. Cact.*: 29. 1837. Sec. Britton & Rose (1923)
- ≡ *Cactus aciculatus* (Otto ex Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923) ≡ *Mammillaria polythele* var. *aciculata* (Otto ex Pfeiff.) Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 9. 1845 syn. sec. Britton & Rose (1923)
- Mammillaria aloides* Monv. ex Labour., *Monogr. Cact.*: 153. 1853. Sec. Britton & Rose (1922)
- Mammillaria atrorubra* Ehrenb. in *Allg. Gartenzeitung* 17: 326. 1849, nom. nud. Sec. Britton & Rose (1923)
- ≡ *Cactus atroruber* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria aulacantha* DC., *Rev. Cact.*: 113. 1829, nom. nud. Sec. Britton & Rose (1923)
- ≡ *Cactus aulacanthus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria badispina* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 159. 1861, nom. nud. Sec. Britton & Rose (1923)
- Mammillaria bergonii* Ehrenb. in *Allg. Gartenzeitung* 17: 326. 1849. Sec. Britton & Rose (1923)
- Mammillaria bergii* Miq., *Comm. Phytogr.*: 104. 1840. Sec. Britton & Rose (1923)

- Mammillaria bifurca* A.Dietr. in *Allg. Gartenzeitung* 18: 186. 1850. Sec. Britton & Rose (1923)
- Mammillaria binops* J.N.Haage ex C.F.Först., *Handb. Cacteenk.*: 254. 1846. Sec. Korotkova (2021)
- Mammillaria canescens* Jacobi in *Allg. Gartenzeitung* 24: 89. 1856. Sec. Britton & Rose (1923)
- Mammillaria cantera* J.N.Haage ex C.F.Först., *Handb. Cacteenk.*: 254. 1846. Sec. Korotkova (2021)
- Mammillaria cataphracta* Mart. ex Pfeiff., *Enum. Diagn. Cact.*: 11. 1837. Sec. Britton & Rose (1923)
- Mammillaria confinis* J.N.Haage ex Walp., *Repert. Bot. Syst.* 2: 289. 1843. Sec. Korotkova (2021)
- Mammillaria corioides* Bosch ex Sweet, *Hort. Brit.*, ed. 3: 281. 1839. Sec. Britton & Rose (1923)
- Mammillaria cuneiflora* Hitchc. ex J.Forbes, *Hort. Tour Germ.*: 149. 1837. Sec. Britton & Rose (1923)
- Mammillaria cylindrica* Hitchc. ex J.Forbes, *Hort. Tour Germ.*: 149. 1837. Sec. Korotkova (2021)
- Mammillaria decora* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 159. 1861. Sec. Britton & Rose (1923)
- Mammillaria dichotoma* Sweet, *Hort. Brit.*, ed. 3: 281. 1839. Sec. Britton & Rose (1923)
- Mammillaria eborina* Ehrenb. in *Allg. Gartenzeitung* 17: 309. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus eborinus* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria emundsiana* Hort. ex Rümpler, *Handb. Cacteenk.*, ed. 2: 341. 1885. Sec. Britton & Rose (1923)
- Mammillaria enneacantha* Otto ex C.F.Först., *Handb. Cacteenk.*: 254. 1846, **nom. nud.** Sec. Britton & Rose (1923)
- Mammillaria eriantha* Pfeiff., *Enum. Diagn. Cact.*: 32. 1837. Sec. Britton & Rose (1923)
- Mammillaria euchlora* Ehrenb. in *Allg. Gartenzeitung* 16: 265. 1848. Sec. Britton & Rose (1923)
 ≡ *Cactus euchlora* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
 = *Cactus euchlorus* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria flavicoma* Hort. ex Rümpler, *Handb. Cacteenk.*, ed. 2: 298. 1885. Sec. Britton & Rose (1923)
- Mammillaria glabrata* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 109. 1845. Sec. Britton & Rose (1923)
 ≡ *Cactus glabratus* (Salm-Dyck) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
 = *Mammillaria glabrata* var. *leucacantha* Regel & Klein bis, *Index Seminum [St. Petersburg (Petropolitanus)]* 1860: 47. 1860
 syn. sec. Kew WCVP (2019)
- Mammillaria goodridgii* Scheer in *Salm-Dyck, Cact. Hort. Dyck.*, 1849: 91. 1850. Sec. Hunt (2016)
 ≡ *Cactus goodrichii* (Engelm.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Tropicos ≡ *Cactus goodridgii* (Scheer) Kuntze,
Revis. Gen. Pl. 1: 260. 1891 syn. sec. Hunt (2016)
 = *Mammillaria goodridgii* var. *rectispina* Dawson in *Cact. Succ. J. (Los Angeles)* 24: 80, f. 46. 1952 syn. sec. Tropicos
- Mammillaria grandis* Hitchc. ex J.Forbes, *Hort. Tour Germ.*: 149. 1837. Sec. Britton & Rose (1923)
- Mammillaria hamata* Lehm. in *Del. Sem. Hort. Hamburg.* 1832. Sec. Hunt (2016)
 ≡ *Cactus hamatus* (Lehm.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 ≡ *Neomammillaria hamata* (Lehm.) Britton & Rose, *Cactaceae*
 4: 140–141, f. 154. 1923 syn. sec. Korotkova (2021)
- Mammillaria heteracentra* Otto ex C.F.Först., *Handb. Cacteenk.*: 254. 1846, **nom. nud.** Sec. Britton & Rose (1923)
- Mammillaria incurva* Scheidw. in *Bull. Acad. Roy. Sci. Bruxelles* 6: 6. 1839. Sec. Britton & Rose (1923)
 ≡ *Cactus incurvus* (Scheidw.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria intricata* Otto ex C.F.Först., *Handb. Cacteenk.*: 254. 1846. Sec. Britton & Rose (1923)
- Mammillaria joossensiana* Quehl in *Monatsschr. Kakteenk.* 18: 95. 1908. Sec. Britton & Rose (1923)
- Mammillaria jucunda* Ehrenb. in *Allg. Gartenzeitung* 17: 250. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus jucundus* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria karstenii* Poselg. in *Allg. Gartenzeitung* 21: 95. 1853. Sec. Britton & Rose (1923)
- Mammillaria kleinii* Regel, *Index Seminum St. Petersburg (Petropolitanus)* 1860: 47. 1860. Sec. Britton & Rose (1923)
 ≡ *Cactus kleinii* (Regel) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria lamprochaeta* Jacobi in *Allg. Gartenzeitung* 24: 82. 1856. Sec. Britton & Rose (1923)
- Mammillaria lesaunieri* Rebut ex K.Schum., *Gesamtbeschr. Kakt.*: 553. 1898. Sec. Britton & Rose (1923)
 ≡ ?*Mammillaria lassonneriei* Rebut ex K.Schum. in *Monatsschr. Kakteenk.* 7: 29. 1897 syn. sec. Britton & Rose (1923)
- Mammillaria leucodasys* Salm-Dyck ex Scheer, *Bot. Voy. Herald.*: 286. 1856. Sec. Aquino (2021)
 ≡ ?*Cactus leucodasys* (Salm-Dyck) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Aquino (2021)
- Notes. – The description of *Mammillaria leucodasys* was made from a dead specimen, so the probability of errors in the application of the characters is greater. Sinking of the apex may eventually be due to stem rot. Characters that allow *Epithelantha micromeris* to be identified with certainty as the dimensions of the areole, and flowers are not described. (Aquino et al. 2019). Therefore, it is not possible to corroborate that it is a member of *Epithelantha*. [Aquino (2021)]
- Mammillaria leucodictia* Link in *Allg. Gartenzeitung* 16: 330. 1848. Sec. Aquino (2021)
 ≡ *Cactus leucodictyus* (Link) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891 syn. sec. Aquino (2021)
- Notes. – The original description of *Mammillaria leucodictia* indicates that the taxon has bristles, and there is a clear distinction between radial and central spines. On the other hand, the author classifies his new taxon as a member of the serie *Leucocephalae*

or *Heteracanthae*, both taxonomic groups correspond to *Mammillaria*. The name *Mammillaria leucodictia* must be excluded from the synonymy of *Epithelantha micromeris*. [Aquino (2021)]

- Mammillaria livida*** Fennel in Otto & A.Dietr. in Allg. Gartenzeitung 15: 66. 1847. Sec. Britton & Rose (1923)
 ≡ *Cactus lividus* (Fennel) Kuntze, Revis. Gen. Pl. 1: 260. 1891 syn. sec. Britton & Rose (1923)
 = *Mammillaria farinosa* Fennel in Otto & A.Dietr. in Allg. Gartenzeitung 15: 66. 1847 syn. sec. Kew WCVP (2019)
- Mammillaria lloydii*** (Britton & Rose) Orcutt in Cactography 7. 1926. Sec. Hunt (2016)
 ≡ *Neomammillaria lloydii* Britton & Rose, Cactaceae 4: 89, f. 82. 1923 syn. sec. Korotkova (2021)
- Mammillaria lutescens*** J.Forbes, Hort. Tour Germ.: 149. 1837. Sec. Britton & Rose (1923)
- Mammillaria melanacantha*** Hort. ex Rümpler, Handb. Cacteenk., ed. 2: 386. 1885. Sec. Britton & Rose (1923)
- Mammillaria melispina*** Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 226. 1934. Sec. Hunt (2016)
- Mammillaria microthele*** Mart., Hort. Reg. Monac.: 127. 1829. Sec. Hunt (2016)
- Mammillaria mieheana*** Tiegel in Möller's Deutsche Gärt.-Zeitung 48: 397. 1933. Sec. Hunt (2016)
 ≡ *Leptocladia mieheana* (Tiegel) Buxb. in Oesterr. Bot. Z. 98: 82. 1951 syn. sec. Korotkova (2021)
- Mammillaria miqueliana*** Pfeiff. ex C.F.Först., Handb. Cacteenk.: 254. 1846. Sec. Britton & Rose (1923)
- Mammillaria mitis*** Mill. in Candolle, Prodr. 3: 460. 1828. Sec. Britton & Rose (1923)
- Mammillaria monocentra*** Jacobi in Allg. Gartenzeitung 24: 90. 1856. Sec. Britton & Rose (1923)
- Mammillaria multiradiata*** Mart., Hort. Reg. Monac.: 127. 1829, nom. nud. Sec. Britton & Rose (1923)
- Mammillaria ortegae*** (Britton & Rose) Orcutt in Cactography 8. 1926. Sec. Korotkova (2021)
 ≡ *Neomammillaria ortegae* Britton & Rose, Cactaceae 4: 83, f. 76. 1923. syn. sec. Sec. Korotkova (2021)
- Mammillaria picturata*** Labour. in Rev. Hort. (Paris) sér. 4, 4: 28. 1855. Sec. Britton & Rose (1923)
- Mammillaria pseudoperbella*** Quehl in Monatsschr. Kakteenk. 19: 188. 1909. Sec. Hunt (2016)
 ≡ *Neomammillaria pseudoperbella* (Quehl) Britton & Rose, Cactaceae 4: 109–110, f. 110, t. 12. 1923 syn. sec. Korotkova (2021)
- Mammillaria pyramidalis*** Link & Otto in Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten 6: 429. 1830. Sec. Britton & Rose (1923)
- Mammillaria pyrhcacantha*** Pfeiff. ex C.F.Först., Handb. Cacteenk.: 254. 1846. Sec. Britton & Rose (1923)
- Mammillaria quadrata*** G.Don ex Loudon, Hort. Brit.: 194. 1830. Sec. Britton & Rose (1923)
- Mammillaria roseocentra*** Boed. & F.Ritter, Kaktus-ABC: 382. 1935. Sec. Hunt (2016)
- Mammillaria schmerwitzii*** J.N.Haage ex Rümpler, Handb. Cacteenk., ed. 2: 270. 1885. Sec. Britton & Rose (1923)
- Mammillaria seitziana*** Mart., Enum. Diagn. Cact.: 18. 1837, nom. rej. Sec. Hunt (2016)
 ≡ *Cactus seitzianus* (Mart.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Kew WCVP (2019) ≡ *Neomammillaria seitziana* (Mart.) Britton & Rose, Cactaceae 4: 83, f. 74. 1923 syn. sec. Hunt (2016)
- Mammillaria severinii*** Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 46. 1860. Sec. Britton & Rose (1923)
 – *Mammillaria severini* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 46. 1860 syn. sec. Britton & Rose (1923) [is orthographic variant for *Mammillaria severinii* Regel & Klein bis]
- Mammillaria solitaria*** G.Don ex Loudon, Hort. Brit.: 194. 1830. Sec. Britton & Rose (1923)
- Mammillaria speciosa*** de Vriese in Tijdschr. Nat. Geschied. 6: 52. 1839. Sec. Britton & Rose (1923)
- Mammillaria suaveolens*** Hort. ex Rümpler, Handb. Cacteenk., ed. 2: 297. 1885. Sec. Britton & Rose (1923)
- Mammillaria subulata*** Muehlenpf. in Allg. Gartenzeitung 13: 347. 1845. Sec. Britton & Rose (1923)
- Mammillaria uniseta*** K.Schum. in Monatsschr. Kakteenk. 14: 128. 1904. Sec. Britton & Rose (1923)
- Mammillaria villosa*** Fennel ex C.F.Först., Handb. Cacteenk.: 255. 1846. Sec. Britton & Rose (1923)
- Melocactus atrovirens*** C.F.Först., Handb. Cacteenk.: 279. 1846, nom. nud. Sec. Britton & Rose (1922)
- Melocactus columna-trajani*** Pfeiff., Enum. Diagn. Cact.: 46. 1837. Sec. Britton & Rose (1920)
- Melocactus excavatus*** G.Don, Hort. Brit., ed. 3: 282. 1839. Sec. Britton & Rose (1922)
- Melocactus hystrix*** Parm. ex Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 138. 1841. Sec. Britton & Rose (1922)
- Melocactus leopoldii*** De Smet ex T.Moore & Mast. in Gard. Chron., n.s., 5: 603. 1876. Sec. Britton & Rose (1922)
- Melocactus monvillianus*** Miq. in Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 18(Suppl. 1): 133. 1841. Sec. Britton & Rose (1922)
- Melocactus octogonus*** J.Forbes, Hort. Tour Germ.: 151. 1837. Sec. Britton & Rose (1922)
- Notocactus nivosus*** Prestlé in Internoto 5: 59. 1984. Sec. Tropicos
- Opuntia airampo*** Phil. in Anales Univ. Chile 85: 492. 1894. Sec. Korotkova (2021)
- Opuntia alpicola*** K.Schum. ex Dams in Monatsschr. Kakteenk. 13: 95. 1903. Sec. Britton & Rose (1919)
- Opuntia angusta*** Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 30. 1858. Sec. Britton & Rose (1919)

- Opuntia bispinosa* Backeb., *Cactaceae* 6: 3607. 1962. Sec. Hunt (2016)
- Opuntia brachydelphis* K.Schum., *Revis. Gen. Pl.* 3(2): 107. 1898. Sec. Britton & Rose (1919)
- Opuntia carolina* J.Forbes, *Hort. Tour Germ.*: 160. 1837. Sec. Britton & Rose (1919)
- Opuntia chiangiana* Scheinvar & Manzanero in *Novon* 19(2): 222–228, f. 1–4. 2009. Sec. Hunt (2016)
- Opuntia demorenia* Forbes, *Hort. Tour Germ.*: 160. 1837. Sec. Britton & Rose (1919)
- Opuntia demoriana* C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Britton & Rose (1919)
- Opuntia deppei* H.L.Wendl. ex C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Britton & Rose (1919)
- Opuntia dichotoma* J.Forbes, *Hort. Tour Germ.*: 157. 1837. Sec. Britton & Rose (1919)
- Opuntia diversispina* Griffiths in *Bull. Torrey Bot. Club* 46: 197. 1919. Sec. Korotkova (2021)
- Opuntia erecta* K.Schum. in *Monatsschr. Kakteenk.* 11: 181. 1901. Sec. Britton & Rose (1919)
- Opuntia festiva* Sencke ex Haage, *Verz. Cact.*: 29. 1864. Sec. Britton & Rose (1919)
- Opuntia flavispina* C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Britton & Rose (1919)
- Opuntia glaucophylla* H.L.Wendl. ex Pfeiff., *Enum. Diagn. Cact.*: 162. 1837. Sec. Britton & Rose (1919)
- = *Opuntia glaucophylla* var. *laevior* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 66. 1850 syn. sec. Britton & Rose (1919)
- Opuntia hitchenii* J.Forbes, *Hort. Tour Germ.*: 159. 1837. Sec. Britton & Rose (1919)
- Opuntia irrorata* Mart. ex Pfeiff., *Enum. Diagn. Cact.*: 154. 1837. Sec. Britton & Rose (1919)
- Opuntia ithypetala* Griffiths in *Bull. Torrey Bot. Club* 43: 529. 1916. Sec. Britton & Rose (1919)
- Opuntia longiglochchia* C.Z.Nelson in *Trans. Illinois State Acad. Sci.* 12: 120. 1919. Sec. Britton & Rose (1919)
- Opuntia longispina* Pfeiff., *Enum. Diagn. Cact.*: 156. 1837. Sec. Britton & Rose (1919)
- Opuntia lucida* Hort. in *Wiener Ill. Gart.-Zeitung* 14: 146. 1889. Sec. Britton & Rose (1919)
- Opuntia myriacantha* Link & Otto ex Steud., *Nomencl. Bot.*, ed. 2, 2(2-5): 221. 1841. Sec. Britton & Rose (1919)
- Opuntia piccolomini* Hort. in *Gartenflora* 36: 39. 1887. Sec. Britton & Rose (1919)
- Opuntia praecox* J.Forbes, *Hort. Tour Germ.*: 160. 1837. Sec. Britton & Rose (1919)
- Opuntia protracta* Lem. ex C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Britton & Rose (1919)
- Opuntia pusilla* (Haw.) Haw., *Syn. Pl. Succ.*: 195. 1812. Sec. Majure (2021)
- ≡ *Cactus pusillus* Haw., *Misc. Nat.*: 188. 1803 syn. sec. Majure (2021) ≡ *Tephrocactus pusillus* (Haw.) Lem., *Cactées*: 88. 1868 syn. sec. Majure (2021)
- = *Cactus pusillus* DC., *Cat. Pl. Horti Monsp.*: 184. 1813, nom. illeg. syn. sec. Majure (2021) ≡ *Cactus pusillus* (DC.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891, nom. illeg. syn. sec. Majure (2021)
- = *Cactus foliosus* Willd., *Enum. Pl., Suppl.*: 35. 1814 syn. sec. Majure (2021)
- = *Opuntia foliosa* Salm-Dyck ex DC., *Prodr.* 3: 471. 1828 syn. sec. Majure (2021)
- Notes. – Although Benson (1982) used this name to refer to southeastern United States plants, it is unclear what taxon (genus or species) this name actually pertains to. It is clearly not a taxon from the southeastern United States (Majure & al. 2017) and may refer to a plant from South America. [Majure (2021)]
- Opuntia salmii* J.Forbes, *Hort. Tour Germ.*: 158. 1837. Sec. Britton & Rose (1919)
- Opuntia schomburgkii* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 48. 1845. Sec. Britton & Rose (1919)
- Opuntia spinulosa* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1844: 46. 1845. Sec. Britton & Rose (1919)
- Opuntia straminea* Sencke ex Haage, *Verz. Cact.*: 30. 1864. Sec. Britton & Rose (1919)
- Parodia paucicostata* (F.Ritter) F.H.Brandt ex Weskamp in *Stachelpost* 9: 189. 1973. Sec. Korotkova (2021)
- Peniocereus marnierianus* Backeb. in *Cactus (Paris)* 85: 107. 1965, nom. inval.
- *Acanthocereus marnierianus* (Backeb.) Lodé in *Cact.-Avent. Int.* 98(Suppl.): 3. 2013, nom. inval. syn. sec. Kew WCVP (2019)
- Pierrebraunia brauniorum* Esteves in *Kakteen And. Sukk.* 50: 312. 1999. Sec. Hunt (2016)
- Pilocereus albisetosus* (Haw.) K.Schum., *Gesamtbeschr. Kakt.*: 196. 1897. Sec. Britton & Rose (1920)
- ≡ *Cereus albisetosus* Haw., *Suppl. Pl. Succ.*: 77. 1819 syn. sec. WFO 2019 ≡ *Cactus albisetosus* (Haw.) Spreng., *Syst. Veg.*, ed. 16, 2: 496. 1825 syn. sec. WFO 2019
- = *Cactus albisetus* Steud., *Nomencl. Bot.*, ed. 2, 1: 245. 1840 syn. sec. Britton & Rose (1923)
- = *Pilocereus cereus* (Haw.) K.Schum. syn. sec. Tropicos
- Pilocereus angulosus* C.F.Först. in *Rev. Hort.* 1862: 428. 1862. Sec. Britton & Rose (1923)
- Pilocereus ghiesbreghtii* Rümpler, *Handb. Cacteenk.*, ed. 2: 661. 1885. Sec. Britton & Rose (1920)
- Pilocereus monacanthus* Lawr. in *Gard. Mag. (London)* 17: 319. 1841. Sec. Franck (2021)
- Notes. – The protologue was listed under a *Pilocereus* group described as “columnar, erect” and it does not fit *Harrisia martinii*, despite Britton & Rose’s suggestion. It is probably impossible to know its identity. [Franck (2021)]
- Pilocereus niger* Poit. in *Rev. Hort. (Paris) sér. 2, 4*: 289. 1845. Sec. Britton & Rose (1920)
- Pilosocereus hermii* P.J.Braun, Esteves & Hofacker in *Kakteen And. Sukk.* 58: 184. 2007. Sec. Hunt (2016)
- Pilosocereus pseudosuperflocosus* P.J.Braun & Esteves in *Kakteen And. Sukk.* 60: 185. 2009. Sec. Hunt (2016)

- Rhipsalis carnosa* Vöcht. in Jahrb. Wissensch. Botan. 9: 401. 1873.** Sec. Britton & Rose (1923)
***Rhipsalis miquelii* Lem., Cactées: 80. 1868, nom. inval.** Sec. Britton & Rose (1923)
***Rhipsalis platycarpa* (Zucc.) Pfeiff., Enum. Diagn. Cact.: 131. 1837.** Sec. Barthlott & Taylor (1995)
 ≡ *Cereus platycarpus* Zucc. in Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 2: 736. 1837 syn. sec. Barthlott & Taylor (1995)
 ≡ *Epiphyllum platycarpum* Zucc. in Cat. Cact. Monac. 1836 syn. sec. Barthlott & Taylor (1995) ≡ *Hariota platycarpa* (Zucc.) Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Barthlott & Taylor (1995) – *Cereus platycarpus* Zucc. ex C.F.Först., Handb. Cacteenk.: 452. 1846, nom. inval. syn. sec. Barthlott & Taylor (1995)
 – *Epiphyllum platycarpum* Zucc. ex Pfeiff., Enum. Diagn. Cact.: 131. 1837, nom. inval. syn. sec. Barthlott & Taylor (1995)
***Rhipsalis riedeliana* Regel, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 49. 1860.** Sec. Britton & Rose (1923)
 = *Hariota riedeliana* Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Britton & Rose (1923)
***Rhipsalis spathulata* Otto ex Sweet, Hort. Brit., ed. 3: 288. 1839.** Sec. Britton & Rose (1923)
 – *Rhipsalis spatulata* Otto ex Sweet, Hort. Brit., ed. 3: 288. 1839 syn. sec. TPL (2013) [is misspelling for *Rhipsalis spathulata* Otto ex Sweet]
 = *Hariota spathulata* Kuntze, Revis. Gen. Pl. 1: 263. 1891 syn. sec. Britton & Rose (1923)
***Rhipsalis turpinii* Lem., Cactées: 80. 1868.** Sec. Britton & Rose (1923)
 Notes. – see *Rhipsalis miquelii* [Korotkova (2021)]
***Selenicereus innesii* Kimmach in Cact. Succ. J. (Los Angeles) 54: 4. 1982.** Sec. Bauer (2003)
 ≡ *Selenicereus ×innesii* Kimmach in Cact. Succ. J. (Los Angeles) 54: 4. 1982 syn. sec. Kew WCVP (2019)
 = ×*Aporberocereus innesii* (Kimmach) Doweld in Sukkulenty 4(1-2): 40. 2002 ["2001"] syn. sec. Anderson (2005)
***Selenicereus radicans* (DC.) A.Berger, Kakteen: 116. 1929.** Sec. Bauer (2003)
 = *Cereus radicans* DC., Prodr. 3: 468. 1828 syn. sec. Bauer (2003)
 – *Cereus reptans* Salm-Dyck ex DC., Prodr. 3: 468. 1828, nom. inval. syn. sec. Candolle (1828)
***Soehrensia ×allagantha* Hirao & Y.Itô in Itô, Cactaceae: 646. 1981.** Sec. Kew WCVP (2019)

Unplaced taxa

- Ancistrocactus pinkavanus* García-Mor., Gonz.-Bot. & Rodr.González in Acta Succulenta 2: 35. 2014.** Sec. Korotkova (2021)
***Echinocereus penicilliformis* Linke in Wochenschr. Gärtnerei Pflanzenk. 1: 85. 1858.** Sec. Britton & Rose (1922)
***Islaya camanaensis* F.Cáceres in Quad. Bot. Amb. Appl. 30: 34, figs. 1-3. 2020.** Sec. Korotkova & al. (2021)
***Loxanthocereus hoxeyi* subsp. *grandis* Hoxey in Bradleya 38: 18. 2020.** Sec. Korotkova & al. (2021)
***Neolloydia inexpectata* D.Donati in Piante Grasse 32(3): 7. 2012.** Sec. Kew WCVP (2019)
***Pierrebraunia eddie-estevesii* P.J.Braun in Kakteen And. Sukk. 68: 319. 2017.** Sec. Korotkova (2021)
***Sulcorebutia camargoensis* Gertel & Jucker in Kakteen And. Sukk. 55(4): 88. 2004.** Sec. Egli (2021)
 ≡ *Weingartia camargoensis* (Gertel & Jucker) Amerhauser & K. Augustin in Gymnocalycium 23(2): 9234. 2010 syn. sec. Egli (2021)
***Sulcorebutia insperata* Rol.Müll. in Kakteen And. Sukk. 62: 185. 2011.** Sec. Kiesling & al. (2014)
***Sulcorebutia pirhuaniensis* Gertel & Jucker in Succulenta (Netherlands) 93: 156. 2014.** Sec. Korotkova (2021)
***Wigginsia gladiata* V.Gapon & Ponomareva in Kaktus-Klub, n.s. 4(1): 7. 2020.** Sec. Korotkova (2021)

Unresolved names

- Acanthanthus cactacearum* Backeb. in Cactaceae (Berlin) 1941(2): 76. 1941.** Sec. WFO 2019
 = *Amaranthus quitensis* f. *rufescens* Thell., Fl. Adv. Montpellier: 204. 1912 syn. sec. WFO 2018
 = *Amaranthus quitensis* var. *stuckertianus* Thell., Syn. Mitteleur. Fl. 5(1): 355. 1914 syn. sec. WFO 2018
***Acanthanthus cactacearum* Y.Itô, Explan. Diagn. Austroechinocactinae: 290. 1957.** Sec. WFO 2019
 ×*Acanthinopsis* P.V.Heath in Calyx 1: 94. 1992. Sec. Kew WCVP (2019)
***Acanthocereus guatemalensis* W.T.Marshall.** Sec. WFO 2019
***Acanthopetalus cactacearum* Y.Itô, Explan. Diagn. Austroechinocactinae: 292. 1957.** Sec. WFO 2019
***Andenea gregeri* Kreuz., Verzeichnis Amer. Sukk. Rev. Syst. Kakteen: 34. 1935.** Sec. WFO 2019
***Anhalonium heteromorphum* Trel., Bot. Works Engelm.: 537. 1887.** Sec. WFO 2019
***Anhalonium jourdanianum* Lewin in Ber. Deutsch. Bot. Ges. 12: 289. 1894, nom. inval.** Sec. WFO 2019
***Anhalonium leuchtenbergii* A.Dietr. in Allg. Gartenzeitung 16: 359. 1848.** Sec. WFO 2019
***Anhalonium rungei* Hildm. in Monatsschr. Kakteenk. 3: 68. 1893.** Sec. WFO 2019
***Anhalonium subnodosum* Hildm. in Monatsschr. Kakteenk. 3: 68. 1893.** Sec. WFO 2019
***Anhalonium turbiniforme* F.A.C.Weber, Dict. Hort.: 1: 90. 1893.** Sec. WFO 2019

- Anhalonium visnagra* K.Schum. in *Monatsschr. Kakteenk.* 6: 174. 1896. Sec. WFO 2019
- Ariocarpus mcdowellii* J.N.Haage & Schmidt, *Cat.*: 225. 1908. Sec. WFO 2019
- Armatocereus armatus* Johnson in *Cat. Johnson: unpag.* 1954. Sec. WFO 2019
- Athrophyllum* Labour., *Monogr. Cact.*: 406. 1853. Sec. Korotkova (2021)
- Aylosteria waltheriana* (Backeb.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 129. 1957. Sec. WFO 2019
- Binghamia cajamarquilla* Backeb. in *Cact. Succ. J. (Los Angeles)* 3: 132. 1932. Sec. WFO 2019
- Borzicactus wrightii* Hutchison. Sec. TPL (2013)
- Borzicactus zanderi* Backeb. in *Möller's Deutsche Gärtn.-Zeitung* 467: 187. 1931. Sec. WFO 2019
- Brasilicactus catarinensis* Doweld in *Sukkulenty* 2: 24. 1999. Sec. WFO 2019
- Cactus americanus* Vitman, *Summa Pl.* 3: 209. 1789. Sec. TPL (2013)
- Cactus argenteus* (Fennel) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891. Sec. WFO 2019
- ≡ *Mammillaria argentea* Fennel in Otto & A.Dietr. in *Allg. Gartenzeitung* 15: 65. 1847 syn. sec. WFO 2019
- Cactus bonaerensis* Larrañaga, *Escritos D. A. Larrañaga* 1: 20. 1922. Sec. WFO 2019
- Cactus brevisetus* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 260. 1891. Sec. WFO 2019
- ≡ *Mammillaria breviseta* Ehrenb. in *Allg. Gartenzeitung* 17: 251. 1849 syn. sec. WFO 2019
- Cactus caudatus* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. Sec. TPL (2013)
- *Cactus caudata* Gillies ex Loudon, *Hort. Brit.*: 194. 1830 syn. sec. TPL (2013) [is orthographic variant for *Cactus caudatus* Gillies ex Loudon]
- Cactus chloranthus* Terán & Berland., *Mem. Comision Limites*: 3. 1832. Sec. WFO 2019
- Cactus cochenillifer* Moc. & Sessé ex DC., *Prodr.* 3: 474. 1828. Sec. WFO 2019
- Cactus foliosus* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. Sec. Britton & Rose (1922)
- ≡ *Echinocactus foliosus* (Gillies ex Loudon) Steud., *Nomencl. Bot.*, ed. 2, 1: 536. 1840 syn. sec. Britton & Rose (1922)
- Cactus haworthianus* (Haw.) Kuntze, *Revis. Gen. Pl.* 1: 259. 1891. Sec. WFO 2019
- ≡ *Mammillaria stellata* Haw. in *Philos. Mag. Ann. Chem.* 7: 114. 1830 syn. sec. Kew WCVP (2019)
- Cactus helicteres* Moc. & Sessé ex DC., *Prodr.* 3: 460. 1828. Sec. Britton & Rose (1923)
- ≡ *Mammillaria helicteres* DC. in *Mém. Mus. Hist. Nat.* 17: 31. 1828 syn. sec. Britton & Rose (1923)
- = *Mammillaria convoluta* St.-Lag. in *Ann. Soc. Bot. Lyon* 7: 130. 1880 syn. sec. Britton & Rose (1923)
- Cactus heptagonus* Vell., *Fl. Flumin.*: 205. 1829. Sec. WFO 2019
- = *Cactus heterogonus* DC., *Prodr.* 3: 470. 1828 syn. sec. Britton & Rose (1922)
- Cactus humilis* Lag., *Gen. Sp. Pl.*: 16. 1816
- Cactus kageneckii* DC., *Prodr.* 3: 463. 1828. Sec. WFO 2019
- Cactus laniferus* (J.M.Coult.) Kuntze, *Revis. Gen. Pl.* 1: 250. 1891. Sec. WFO 2019
- Cactus lanuginosus* var. *aureus* Colla, *Hortus Ripul.*: 25. 1825. Sec. WFO 2019
- Cactus mensarum* Thiery ex Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840. Sec. WFO 2019
- Cactus mitis* (Mill.) Kuntze, *Revis. Gen. Pl.* 1: 259. 1891. Sec. WFO 2019
- Cactus moniliformis* Lam., *Encycl.* 1(2): 541. 1785. Sec. WFO 2019
- Cactus monstrosus* Willd., *Enum. Pl., Suppl.*: 31. 1814. Sec. WFO 2019
- Cactus multangularis* Voigt ex Steud., *Nomencl. Bot.* 1: 132. 1821. Sec. WFO 2019
- Cactus multangularis* Moc. & Sessé ex DC., *Prodr.* 3: 462. 1828. Sec. WFO 2019
- Cactus neglectus* Dehnh. in *Rivista Napol.* 1(3): 166. 1841. Sec. WFO 2019
- Cactus nigricans* (Fennel) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus nobilis* Lam., *Encycl.* 1(2): 537. 1785. Sec. WFO 2019
- Cactus nopal* Thierry, *Dict. Sci. Nat.*, ed. 2, 6: 103. 1817. Sec. WFO 2019
- Cactus nudus* Moc. & Sessé ex DC., *Prodr.* 3: 460. 1828. Sec. WFO 2019
- Cactus opuntia* Guss., *Fl. Sicul. Prodr.* 1: 559. 1827, nom. illeg. Sec. WFO 2019
- Cactus opuntia* var. *nana* DC., *Pl. Hist. Succ.*: t. 138. 1804. Sec. WFO 2019
- Cactus ovoides* Lem., *Cactées*: 88. 1868. Sec. WFO 2019
- Cactus parryi* Lem., *Cactées*: 88. 1868. Sec. WFO 2019
- Cactus parvifolius* Ehrh. ex F.Dietr., *Vollst. Lex. Gärtn.* 2: 416. 1802. Sec. WFO 2019
- Cactus pentagonus* Vell., *Fl. Flumin.*: 205. 1829. Sec. WFO 2019
- Cactus peruvianus* var. *jamaicensis* Griseb., *Fl. Brit. W. I.*: 301. 1860. Sec. Korotkova (2021)
- Cactus phaeotrichus* (Monv.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- = *Mammillaria phaeotricha* Monv. ex Labour., *Monogr. Cact.*: 39. 1853 syn. sec. Tropicos

- Cactus prismaticus* Desf., *Tabl. École Bot.*: 165. 1804. Sec. WFO 2019
- Cactus prolifer* Willd. ex Pfeiff., *Enum. Diagn. Cact.*: 9. 1837. Sec. WFO 2019
- Cactus proliferus* var. *mammillaris* (Mill.) Aiton, *Hort. Kew.* 2: 150. 1789. Sec. WFO 2019
- Cactus proteiformis* Desf., *Tabl. École Bot.*, ed. 2: 192. 1815. Sec. Britton & Rose (1920)
= *Cereus proteiformis* (Salm-Dyck) Steud., *Nomencl. Bot.*, ed. 2, 1: 335. 1840 syn. sec. Britton & Rose (1920)
- Cactus pseudococcinellifer* Bertol. in *Exerpta Herb. Bonon. II.* 1820. Sec. WFO 2019
≡ *Cactus pseudococcinillifer* Bertol. ex DC., *Prodr.* 3: 473. 1828 syn. sec. WFO 2019
- Cactus pseudotuna* Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840. Sec. WFO 2019
- Cactus quadrangularis* Sessé & Moc., *Fl. Mexic.*, ed. 2: 123. 1894. Sec. WFO 2019
- Cactus quadratus* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. Sec. WFO 2019
- Cactus reticulatus* Descourt., *Fl. Méd. Antilles* 1: t. 68. 1821. Sec. WFO 2019
- Cactus robustior* Small, *Fl. S.E. U.S.*: 812. 1903. Sec. WFO 2019
- Cactus rosa* Vell., *Fl. Flumin.*: 206. 1829. Sec. WFO 2019
- Cactus rueschianus* (Regel) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus salicornoides* Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840. Sec. WFO 2019
- Cactus salmdyckianus* (Scheer) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus salmianus* Lem., *Cactées*: 87. 1868. Sec. WFO 2019
- Cactus scopa* Link, *Enum. Hort. Berol. Alt.* 2: 21. 1822. Sec. Hunt (2006)
- Cactus seemanii* (Sheer) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. Britton & Rose (1923)
≡ *Mammillaria seemanii* Scheer, *Bot. Voy. Herald*: 288. 1856 syn. sec. Britton & Rose (1923)
- Cactus sepium* Larrañaga, *Escritos D.A.Larrañaga* 2: 167. 1923. Sec. WFO 2019
- Cactus sericeus* Gillies ex Loudon, *Hort. Brit.*: 196. 1830. Sec. WFO 2019
- Cactus serpentinus* Pers., *Syn. Pl.* 2: 23. 1806. Sec. WFO 2019
- Cactus severinii* (Regel & Klein bis) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus solitarius* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. Sec. WFO 2019
- Cactus speciosissimus* var. *lateritius* Croat in *Edwardss Bot. Reg.* 19: t. 1596. 1833. Sec. WFO 2019
- Cactus speciosus* Hook. in *Bot. Mag.* 55: t. 2820. 1828. Sec. WFO 2019
- Cactus speciosus* Desf., *Tabl. École Bot. (Cat. Pl. Horti Paris.)*, ed. 3: 191. 1829, nom. illeg. Sec. Tropicos
- Cactus speciosus* var. *grandiflorus* Macloskie in *Monatsschr. Kakteenk.* 14: 11. 1904. Sec. WFO 2019
- Cactus sphaerotrachus* (Lem.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus spinosus* Gillies ex Loudon, *Hort. Brit.*: 194. 1830. Sec. WFO 2019
- Cactus spiriformis* Colla in *Rep. Sci. Fis.-Med. Piemonte* 279(15): 11. 1840. Sec. WFO 2019
- Cactus splendidus* Thierry, *Dict. Sci. Nat.*, ed. 2, 6: 103. 1817. Sec. WFO 2019
- Cactus subcurvatus* Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus sylvestris* Thiery ex Steud., *Nomencl. Bot.*, ed. 2, 1: 246. 1840. Sec. WFO 2019
- Cactus tamaulipensis* Terán & Berland., *Mem. Comision Limites*: 3. 1832. Sec. WFO 2019
- Cactus teres* Larrañaga, *Escritos D.A.Larrañaga* 2: 167. 1923. Sec. WFO 2019
- Cactus testudinis-crus* (F.A.C.Weber) Thierry de Menonville. Sec. WFO 2019
- Cactus triangularis* var. *aphyllus* Jacq., *Select. Stirp. Amer. Hist.*: 152. 1763. Sec. WFO 2019
- Cactus triangularis* var. *foliaceus* Jacq., *Select. Stirp. Amer. Hist.*: 152. 1763. Sec. WFO 2019
- Cactus triflorus* Larrañaga, *Escritos D.A.Larrañaga* 2: 167. 1923. Sec. WFO 2019
- Cactus triqueter* Willd., *Enum. Pl., Suppl.*: 33. 1814. Sec. WFO 2019
- Cactus tuna* var. *major* Roxb., *Hort. Bengal.*: 37. 1814. Sec. WFO 2019
- Cactus urinarius* Sessé & Moc., *Fl. Mexic.*, ed. 2: 123. 1894. Sec. WFO 2019
- Cactus variamamma* (Ehrenb.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. WFO 2019
- Cactus ventricosus* Larrañaga, *Escritos D.A.Larrañaga* 2: 167. 1923. Sec. WFO 2019
- Cactus verticillatus* Brot. ex Heynh., *Nom.* 2: 103. 1846. Sec. WFO 2019
- Cactus vrieseanus* Kuntze, *Revis. Gen. Pl.* 1: 260. 1891. Sec. WFO 2019
- Cactus zegschwitzii* (Pfeiff.) Kuntze, *Revis. Gen. Pl.* 1: 261. 1891. Sec. Britton & Rose (1923)
≡ *Mammillaria zegschwitzii* Pfeiff. syn. sec. Britton & Rose (1923)
- Cactus zinniiflorus* Moc. & Sessé ex DC., *Prodr.* 3: 475. 1828. Sec. WFO 2019
- Carnegiea gigantea* f. *aberrans* P.V.Heath in *Calyx* 2: 108. 1992. Sec. WFO 2019
- Cephalocereus chrysacanthus* f. *cristatus* P.V.Heath in *Calyx* 2: 110. 1992. Sec. WFO 2019

- Cephalocereus dautwitzii* (Seitz) Voss, Vilm. Blumengärtn., ed. 3, 1: 373. 1894
 ≡ *Pilocereus dautwitzii* Seitz
- Cephalocereus fouachianus* Quehl in Monatsschr. Kakteenk. 20: 39. 1910. Sec. WFO 2019
- Cephalocereus johansenii* Frič in Ceskoslov. Zahradn. Listy 1924: 31. 1924. Sec. WFO 2019
- Cephalocereus maguirei* Gilly in Bull. Torrey Bot. Club 76: 292. 1949. Sec. WFO 2019
- Cephalocereus nobilis* f. *cristatus* P.V.Heath in Calyx 2: 110. 1992. Sec. WFO 2019
- Cephalocereus nobilis* var. *nigricans* Borg, Cacti, ed. 1: 105. 1937. Sec. Franck (2021)
- Cephalocereus royenii* f. *cristatus* P.V.Heath in Calyx 5: 104. 1996. Sec. WFO 2019
- Cephalocereus senilis* f. *cristatus* (Mathsson) P.V.Heath in Calyx 2: 109. 1992. Sec. WFO 2019
- Cephalocereus senilis* f. *fasciatus* P.V.Heath in Calyx 2: 109. 1992. Sec. WFO 2019
- Cereus acromelas* Pfeiff., Enum. Diagn. Cact.: 84. 1837. Sec. WFO 2019
- Cereus albispinus* var. *major* Monv. ex Labour., Monogr. Cactaceae: 341. 1853. Sec. WFO 2019
- Cereus ambiguus* var. *strictior* Weing. in Monatsschr. Kakteenk. 19: 9. 1909. Sec. WFO 2019
- Cereus anisacanthus* var. *ortholophus* DC. in Mém. Mus. Hist. Nat. 17: 117. 1828. Sec. WFO 2019
- Cereus anisacanthus* var. *subspiralis* DC. in Mém. Mus. Hist. Nat. 17: 117. 1828. Sec. WFO 2019
- Cereus anquiniformis* Weing., Monatsschr. Kakteenk. 18: 6. 1908. Sec. WFO 2019
- Cereus arachnoides* Lawr. in Gard. Mag. (London) 17: 320. 1841. Sec. WFO 2019
- Cereus aurantiacus* var. *superbus* Haage ex Labour., Monogr. Cactaceae: 428. 1853. Sec. WFO 2019
- Cereus auratus* f. *intermedius* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860. Sec. WFO 2019
- Cereus auratus* f. *mollissimus* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860. Sec. WFO 2019
- Cereus auratus* f. *pilosus* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 45. 1860. Sec. WFO 2019
- Cereus aureus* var. *pallidior* Salm-Dyck, Hort. Dyck.: 63. 1834. Sec. WFO 2019
- Cereus bajanensis* Werckle in Monatsschr. Kakteenk. 15: 166. 1905. Sec. WFO 2019
- Cereus baxaniensis* f. *pellucidus* (Otto) Schelle, Kakteen: 96. 1926. Sec. WFO 2019
- Cereus baxaniensis* var. *ramosus* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 277. 1843. Sec. WFO 2019
- Cereus campinensis* subsp. *piEDADensis* (F.Ritter) P.J.Braun & Esteves in Succulenta (Netherlands) 74: 83. 1995. Sec. WFO 2019
- Cereus candelabrus* Pfeiff., Enum. Diagn. Cact.: 109. 1837. Sec. WFO 2019
- Cereus candicans* var. *spiniosior* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 276. 1843. Sec. WFO 2019
- Cereus caracore* Rol.-Goss. in Bull. Soc. Bot. France 51: 58. 1905. Sec. WFO 2019
- Cereus chilensis* var. *acidus* Miers in Monatsschr. Kakteenk. 8: 159. 1898. Sec. WFO 2019
- Cereus chilensis* var. *breviflorus* Hirscht in Monatsschr. Kakteenk. 8: 159. 1898. Sec. WFO 2019
- Cereus chilensis* var. *brevispinulus* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 276. 1843. Sec. WFO 2019
- Cereus chilensis* var. *fulvibarbis* Salm-Dyck ex Walp., Repert. Bot. Syst. 2: 276. 1843. Sec. WFO 2019
- Cereus chilensis* var. *funkianus* K.Schum., Gesamtbeschr. Kakt.: 61. 1897. Sec. WFO 2019
- Cereus chilensis* var. *nigripilis* Hirscht in Monatsschr. Kakteenk. 8: 159. 1898. Sec. WFO 2019
- Cereus chilensis* var. *polygonus* K.Schum., Gesamtbeschr. Kakt.: 63. 1897. Sec. WFO 2019
- Cereus chilensis* var. *spiniosior* Salm-Dyck ex C.F.Först., Handb. Cacteenk.: 377. 1846. Sec. WFO 2019
- Cereus chiloensis* var. *lamprochlorus* Monv. ex Labour., Monogr. Cactaceae: 326. 1853. Sec. WFO 2019
- Cereus chiloensis* var. *linnaei* (C.F.Först.) K.Schum., Gesamtbeschr. Kakt.: 63. 1897. Sec. WFO 2019
- Cereus cirrhiferus* Labour., Monogr. Cactaceae: 311. 1853. Sec. WFO 2019
- Cereus coeruleus* var. *fulvispinus* Graebener in Monatsschr. Kakteenk. 19: 137. 1909. Sec. WFO 2019
- Cereus coeruleus* var. *longispinus* Weing. in Monatsschr. Kakteenk. 16: 93. 1906. Sec. WFO 2019
- Cereus conformis* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 203. 1850. Sec. Britton & Rose (1920)
- Cereus coracare* Gosselin in Monatsschr. Kakteenk. 12: 174. 1902. Sec. WFO 2019
- Cereus crenoides* Engelm., Descr. Cactaceae: 31. 1856. Sec. WFO 2019
- Cereus crenulatus* var. *gracilior* Salm-Dyck, Hort. Dyck.: 63. 1834. Sec. WFO 2019
- Cereus crenulatus* var. *griseus* Salm-Dyck ex Pfeiff., Enum. Diagn. Cact.: 85. 1837. Sec. WFO 2019
- Cereus crispatus* var. *crenulatus* Pfeiff., Enum. Diagn. Cact.: 130. 1837. Sec. WFO 2019
- Cereus crispatus* var. *laticus* Salm-Dyck, Hort. Dyck.: 66. 1834. Sec. WFO 2019
- Cereus cumengii* F.A.C.Weber in Bull. Mus. Hist. Nat. (Paris) 1: 317. 1895. Sec. WFO 2019

- Cereus cyaneus* A.Berger, Hort. Mortol.: 69. 1912. Sec. WFO 2019
- Cereus davisii* Reiche in Monatschr. Kakteenk. 14: 166. 1904, nom. inval. Sec. Franck (2021)
- Cereus decagonus* Pfeiff., Enum. Diagn. Cact.: 85. 1837, nom. inval. Sec. Franck (2021)
- Cereus delaguna* Haage in Förster, Handb. Cacteenk.: 433. 1846. Sec. WFO 2019
- Cereus del-moralii* J.A.Purpus in Monatschr. Kakteenk. 19: 89. 1909. Sec. WFO 2019
- Cereus donatii* Schelle, Handb. Kakteenkult.: 91. 1907. Sec. WFO 2019
- Cereus eburneus* var. *clavatus* Fobe in Monatschr. Kakteenk. 18: 78. 1908. Sec. WFO 2019
- Cereus engelmannii* var. *albispinus* Cels ex Orcutt, Rev. Cact. 1: 13. 1897. Sec. WFO 2019
- Cereus engelmannii* var. *caespitosus* Orcutt, Rev. Cact. 1: 13. 1897. Sec. WFO 2019
- Cereus engelmannii* var. *fulvispinus* Cels ex Orcutt, Rev. Cact. 1: 13. 1897. Sec. WFO 2019
- Cereus engelmannii* var. *pfersdorffii* Heiden ex Orcutt, Rev. Cact. 1: 13. 1897. Sec. WFO 2019
- Cereus ericomus* Rchb.f., Suppl. Cact. Verz.: 3. 1840. Sec. WFO 2019
- Cereus fimbriatus* Pfeiff., Enum. Diagn. Cact.: 95. 1837. Sec. Franck (2016)
- Cereus flagelliformis* var. *funkii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. WFO 2019
- Cereus flagelliformis* var. *nothus* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. WFO 2019
- Cereus flagelliformis* var. *schottii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. WFO 2019
- Cereus flagelliformis* var. *smithii* Walp., Repert. Bot. Syst. 2: 278. 1843. Sec. WFO 2019
- Cereus flagelliformis* var. *speciosus* Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 50. 1850. Sec. WFO 2019
- Cereus flavispinus* var. *hexagonus* Salm-Dyck, Hort. Dyck.: 63. 1834. Sec. WFO 2019
- Cereus gladius* var. *vernaculatus* Monv. ex Labour., Monogr. Cactaceae: 327. 1853. Sec. WFO 2019
- Cereus gladiger* Cels ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 47. 1850. Sec. Britton & Rose (1920)
= *Cereus gladilger* Lem., Hort. Universel 6: 60. 1844 syn. sec. Britton & Rose (1920)
- Cereus glaucus* var. *speciosus* Pfeiff., Enum. Diagn. Cact.: 106. 1837. Sec. WFO 2019
- Cereus gracilis* Haw. in Philos. Mag. Ann. Chem. 1827: 126. 1827, nom. illeg. Sec. Franck (2021)
- Cereus grandiflorus* var. *barbadensis* A.Berger, Hort. Mortol.: 70. 1912. Sec. WFO 2019
- Cereus grandiflorus* var. *flemingii* Rümpler, Handb. Cacteenk., ed. 2: 751. 1885. Sec. WFO 2019
- Cereus grandiflorus* var. *grusonianus* Britton & Rose, Cactaceae 2: 197. 1920. Sec. WFO 2019
- Cereus grandiflorus* var. *haitiensis* K.Schum. in Monatschr. Kakteenk. 13: 183. 1903. Sec. Franck (2021)
- Cereus grandiflorus* var. *hybridus* Haage ex C.F.Först., Handb. Cacteenk.: 415. 1846. Sec. WFO 2019
- Cereus grandiflorus* var. *maximiliani* Britton & Rose, Cactaceae 2: 197. 1920. Sec. WFO 2019
- Cereus grandiflorus* var. *mexicanus* Britton & Rose, Cactaceae 2: 197. 1920. Sec. WFO 2019
- Cereus grandiflorus* var. *ruber* Rümpler, Handb. Cacteenk., ed. 2: 751. 1885. Sec. WFO 2019
- Cereus grandiflorus* var. *schmidtii* A.Berger, Hort. Mortol.: 70. 1912. Sec. WFO 2019
= ?*Cereus schmidtii* G.Don in Monatschr. Kakteenk. 4: 189. 1894 syn. sec. Britton & Rose (1920)
- Cereus grandiflorus* var. *speciosissimus* Pfeiff., Enum. Diagn. Cact.: 113. 1837. Sec. WFO 2019
- Cereus grandiflorus* var. *spectabilis* Karw. ex C.F.Först., Handb. Cacteenk.: 415. 1846. Sec. WFO 2019
- Cereus grandiflorus* var. *viridiflorus* Woodson in Monatschr. Kakteenk. 6: 80. 1896. Sec. WFO 2019
- Cereus greggii* W.Watson, Gard. Chron. III, 1903: t. 93. 1903. Sec. WFO 2019
- Cereus haitiensis* Schelle, Kakteen: 120. 1926. Sec. Franck (2021)
– *Cereus haitiensis* Schelle, Handb. Kakteenkult.: 89. 1907, nom. inval. syn. sec. Franck (2021)
- Notes. – Schelle was clearly familiar with the works of Schumann, but apparently viewed this name as of garden origin and not as a name attributable to Schumann. Without referencing Schumann, Schelle’s description “hellgrün, gelbstachelig” was nearly verbatim of the description for the potential basionym *C. grandiflorus* var. *haitiensis*. [Franck (2021)]
- Cereus hansii* Haage in Förster, Handb. Cacteenk.: 428. 1846. Sec. WFO 2019
- Cereus hertrichianus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 459. 1935. Sec. WFO 2019
- Cereus herzogianus* Backeb. in Kakteen-Freund 2(1): 33. 1933. Sec. WFO 2019
- Cereus heteracanthus* Tweedie ex Sweet, Hort. Brit., ed. 3: 284. 1839. Sec. WFO 2019
- Cereus horizontalis* Gillies ex Sweet, Hort. Brit., ed. 3: 285. 1839. Sec. WFO 2019
- Cereus humboldtianus* Backeb. in Monatschr. Deutsch. Kakteen-Ges. 3: 159. 1931. Sec. WFO 2019
- Cereus humilis* var. *minor* Pfeiff., Enum. Diagn. Cact.: 115. 1837. Sec. WFO 2019
- Cereus hystrix* Sweet, Hort. Brit.: 171. 1826. Sec. WFO 2019
- Cereus ictidurus* Greene, Hort. Universel 1: 224. 1839. Sec. WFO 2019
- Cereus jenkinsonii* var. *verus* Haage ex C.F.Först., Handb. Cacteenk.: 429. 1846. Sec. WFO 2019

- Cereus josselinaeus* D.Gaillard in Rev. Hort. 5: 56. 1841. Sec. WFO 2019
- Cereus jugatiflorus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 456. 1935. Sec. WFO 2019
- Cereus kreggii* K.Schum. in Monatsschr. Kakteenk. 5: 149. 1895. Sec. WFO 2019
- Cereus laetevirens* Pfeiff., Enum. Diagn. Cact.: 99. 1837. Sec. WFO 2019
- Cereus laetevirens* var. *caesius* C.F.Först., Handb. Cacteenk.: 400. 1846. Sec. WFO 2019
- Cereus lanuginosus* var. *aureus* Pfeiff., Enum. Diagn. Cact.: 78. 1837. Sec. WFO 2019
- Cereus lanuginosus* var. *glaucescens* Pfeiff., Enum. Diagn. Cact.: 80. 1837. Sec. WFO 2019
- Cereus lividus* var. *glauclior* Labour., Monogr. Cactaceae: 359. 1853. Sec. WFO 2019
- Cereus marginatus* f. *gibbosus* J.A.Purpus in Monatsschr. Kakteenk. 23: 148. 1913. Sec. WFO 2019
- Cereus martini* Mart. ex Lem., Ill. Hort. 5: 17. 1858. Sec. WFO 2019
- Cereus matucanensis* Backeb. in Desert Pl. Life 5: 3. 1933. Sec. WFO 2019
- Cereus micracanthus* DC. in Mém. Mus. Hist. Nat. 17: 115. 1828. Sec. WFO 2019
- Cereus militaris* var. *californicus* K.Schum., Gesamtbeschr. Kakt.: 85. 1897. Sec. WFO 2019
- Cereus mollis* var. *nigricans* Labour., Monogr. Cactaceae: 349. 1853. Sec. WFO 2019
- Cereus monoclonus* DC., Prodr. 3: 464. 1828. Sec. WFO 2019
- Cereus monstrosus* var. *minor* Woodson in Monatsschr. Kakteenk. 1: 163. 1891. Sec. WFO 2019
- Cereus multangularis* var. *albispinus* Salm-Dyck, Hort. Dyck.: 62. 1834. Sec. WFO 2019
- Cereus multangularis* var. *prolifer* Salm-Dyck, Hort. Dyck.: 62. 1834. Sec. WFO 2019
- Cereus myosurus* var. *tenuior* Salm-Dyck, Hort. Dyck.: 65. 1834. Sec. WFO 2019
- Cereus niger* var. *gracilior* Salm-Dyck, Hort. Dyck.: 63. 1834. Sec. WFO 2019
- Cereus nothus* J.C.Wendl. in Schumann, Gesamtbeschr. Kakt.: 143. 1897. Sec. Britton & Rose (1920)
- Cereus nyctago* A.Berger, Kakteen: 127, 338. 1929. Sec. WFO 2019
- Cereus nycticalus* var. *gracilior* Haage ex C.F.Först., Handb. Cacteenk.: 416. 1846. Sec. WFO 2019
- Cereus nycticalus* var. *maximiliani* Arendt in Monatsschr. Kakteenk. 1: 58. 1891. Sec. WFO 2019
- Cereus nycticalus* var. *peanii* Bég. in Boll. Reale Orto Bot. Palermo 8: 252. 1909. Sec. WFO 2019
- Cereus octogonus* Otto in Allg. Gartenzeitung 1: 365. 1833, nom. inval. Sec. Franck (2021)
- Cereus paraensis* Huber. Sec. WFO 2019
- Cereus perotetti* Pfeiff., Enum. Diagn. Cact.: 98. 1837. Sec. WFO 2019
- ≡ *Cereus perrottetii* Pfeiff., Enum. Diagn. Cact.: 98. 1837 syn. sec. WFO 2019
- Cereus polyachaetus* Rchb. in Suppl. Cact. Verz.: 4. 1840. Sec. WFO 2019
- *Cereus pomanensis* var. *grossei* Graebener in Monatsschr. Kakteenk. 19: 137. 1909, nom. inval. syn. sec. Franck (2021)
- Cereus procumbens* A.Gray in Boston J. Nat. Hist. 6: 203. 1850. Sec. WFO 2019
- Cereus pterandra* Link ex Pfeiff., Enum. Diagn. Cact.: 113. 1837. Sec. WFO 2019
- Cereus purpureopilosus* Weing. in Monatsschr. Deutsch. Kakteen-Ges. 2: 96. 1930. Sec. WFO 2019
- Cereus quadrangularis* Pfeiff., Enum. Diagn. Cact.: 106. 1837. Sec. WFO 2019
- Cereus rigidispinus* Muehlenpf. in Allg. Gartenzeitung 16: 12. 1848. Sec. WFO 2019
- Cereus robustus* Lawr. in Gard. Mag. (London) 7: 320. 1841. Sec. WFO 2019
- Cereus roezlii* Backeb. in Kakteen-Freund 2(1): 33. 1933. Sec. WFO 2019
- Cereus ×rueferi* var. *major* Lipsch. in Monatsschr. Kakteenk. 16: 10. 1906. Sec. Britton & Rose (1920)
- Cereus siedelii* Lehm. ex Salm-Dyck, Cact. Hort. Dyck., ed. 1849: 200. 1850. Sec. WFO 2019
- Cereus similis* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 29. 1858. Sec. WFO 2019
- Cereus subrepandus* Pfeiff., Enum. Diagn. Cact.: 86. 1837. Sec. WFO 2019
- Cereus tapacalaensis* Backeb. in Kakteen-Freund 2: 49. 1933. Sec. WFO 2019
- Cereus tehuacanensis* Roezl in Belgique Hortic. 33: 162. 1883. Sec. WFO 2019
- = *Cereus tehuacensis* Roezl, nom. illeg., squalm. syn. sec. Berendsohn 2020 in Deutsche Gärt.-Zeitung 5: 191. 1881, nom. illeg. syn. sec. Berendsohn (2020)
- Cereus tenuis* Pfeiff. in Allg. Gartenzeitung 8: 407. 1840. Sec. TPL (2013)
- Cereus tineoi* Tod., Index Seminum (PAL, Panormitani) 1857: 39. 1857. Sec. Korotkova (2021)
- Cereus torulosus* Werderm. in Notizbl. Bot. Gart. Berlin-Dahlem 12: 457. 1935. Sec. WFO 2019
- Cereus trigonus* Hort. ex Pfeiff., Enum. Diagn. Cact.: 106. 1837, nom. inval. Sec. TPL (2013)
- Cereus tubiflorus* Endl., Parad. Vindob.: t. 71. 1848. Sec. WFO 2019
- Cereus undulatus* DC., Prodr. 3: 467. 1828. Sec. WFO 2019
- Cereus uranus* A.Gray, Monatsschr. Kakteenk. 3: 117. 1893. Sec. WFO 2019

- Cereus uspenski* Haage Jr. ex Karl Hirscht in *Monatsschr. Kakteenk.* 8: 109. 1898. Sec. WFO 2019
- Chamaecereus luisramirezii* Lodé & F.Carlier in *Int. Cact. Advent.* 30(2): 3. 2018. Sec. Korotkova (2021)
- Chamaelobivia* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 289. 1957. Sec. WFO 2019
- Chamaelobivia matuzakii* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 289. 1957. Sec. WFO 2019
- Chamaelobivia tanahashii* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 289. 1957. Sec. WFO 2019
- Chamaelobivia tudae* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 289. 1957. Sec. WFO 2019
- = *Chamaelobivia tudae* var. *carniflora* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *chrysantha* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *cinnabarina* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *croceantha* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *rubriflora* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *salmonea* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *streptantha* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- = *Chamaelobivia tudae* var. *striatipetala* Y.Itô, Explan. *Diagr. Austroechinocactinae*: 290. 1957 syn. sec. WFO 2019
- Chilenia pseudochilensis* Backeb. in *Blätt. Kakteenf.* 1938(3): 1. 1938, nom. inval. Sec. WFO 2019
- ≡ *Neoporteria pseudochilensis* (Backeb.) Y.Itô, Explan. *Diagr. Austroechinocactinae*: 216. 1957 syn. sec. WFO 2019
- Consolea acaulis* (Ekman & Werderm.) F.M.Knuth, *Kaktus-ABC*: 146. 1936 ["1935"]. Sec. Majure (2021)
- ≡ *Opuntia acaulis* Ekman & Werderm. in *Repert. Spec. Nov. Regni Veg.* 29: 230. 1931
- Notes. – It is most likely that *O. acaulis* is a hybrid species derived from a species of *Consolea* and *Opuntia stricta* (Majure et al. 2012). [Majure (2021)]
- Copiapoa intricata* Merregalli in *Piante Grasse* 11(4): 34. 1992 ["1991"]. Sec. WFO 2019
- Copiapoa magnimamma* F.Ritter & Y.Itô in *Itô, Cactaceae*: 375. 1981. Sec. WFO 2019
- Corryocactus quadrangularis* (Rauh & Backeb.) F.Ritter, *Backeberg "Descr. Cact. Nov." Diag. Erört. Taxon. Nomenkl. Fragen*: 29. 1958. Sec. WFO 2019
- ≡ *Erdisia quadrangularis* Rauh & Backeb., *Descr. Cact. Nov.* 1: 12. 1957 ["1956"] syn. sec. Tropicos
- Corynopuntia nigrispina* D.Donati in *Piante Grasse* 32(2): 7. 2012. Sec. Korotkova (2021)
- Coryphantha piercei* Fosberg in *Bull. S. Calif. Acad. Sci.* 30: 58. 1931. Sec. WFO 2019
- Coryphantha stuetzlei* Frič in *Möller's Deutsche Gärtn.-Zeitung* 41: 142. 1926. Sec. WFO 2019
- ≡ *Neolloydia stuetzlei* (Frič) Britton & Rose in *Contr. U.S. Natl. Herb.* 23(5): 1677–1678. 1926 syn. sec. Korotkova (2021)
- Discocactus bififormis* Walp., *Repert. Bot. Syst.* 5: 817. 1846. Sec. WFO 2019
- Ebnerella esshaussieri* (Frič) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951. Sec. Kew WCVP (2019)
- ≡ *Ebnerella essbaussieri* (Frič) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951 syn. sec. WFO 2019 ≡ *Mammillaria esshaussierii* Frič syn. sec. IPNI
- Ebnerella goodrichii* (Scheer ex Salm-Dyck) Buxb. in *Oesterr. Bot. Z.* 98: 89. 1951. Sec. WFO 2019
- Echinocactus aureicentrua* Backeb. in *Cact. Succ. J. (Los Angeles)* 4: 72. 1933. Sec. WFO 2019
- Echinocactus brachycentrus* var. *oligacanthus* Salm-Dyck, *Cact. Hort. Dyck., ed. 1849*: 160. 1850. Sec. Korotkova (2021)
- Echinocactus candidus* Lawr. in *Gard. Mag. (London)* 17: 316. 1841. Sec. WFO 2019
- Echinocactus castaniensis* F.A.C.Weber, *Dict. Hort.*: 465. 1896. Sec. WFO 2019
- Echinocactus castaniensis* Miers in *Monatsschr. Kakteenk.* 5: 75. 1895. Sec. WFO 2019
- Echinocactus centeterius* Lehm. ex Pfeiff., *Enum. Diagn. Cact.*: 65. 1837. Sec. Metzging (2021)
- ≡ *Gymnocalycium centeterium* (Lehm. ex Pfeiff.) Hosseus in *Revista Centro Estud. Farm. reimpr.* 2(6): 22. 1926 syn. sec. Metzging (2021) ≡ *Pyrrhocactus centeterius* (Lehm. ex Pfeiff.) A.Berger, *Kakteen*: 216. 1929 syn. sec. Metzging (2021) ≡ *Uebelmannia centeteria* (Lehm. ex Pfeiff.) Schnabel in *Kakteen And. Sukk.* 22: 166. 1971 syn. sec. Metzging (2021) ≡ *Neoporteria centeteria* (Lehm.) G.D.Rowley in *Excelsa* 12: 39. 1986 syn. sec. Metzging (2021)
- Echinocactus conimamma* Linke ex K.Schum. in *Monatsschr. Kakteenk.* 5: 75. 1895. Sec. WFO 2019
- Echinocactus conquades* C.F.Först., *Handb. Cacteenk.*: 338. 1846. Sec. WFO 2019
- Echinocactus cristatus* Lawr. in *Gard. Mag. (London)* 17: 316. 1841. Sec. Korotkova (2021)
- Echinocactus elatior* Lem., *Cact. Gen. Sp. Nov.*: 23. 1839. Sec. WFO 2019
- Echinocactus elegans* Pfeiff., *Enum. Diagn. Cact.*: 86. 1837. Sec. WFO 2019
- Echinocactus ellemeitii* Miq. in *Ned. Kruidk. Arch.* 4: 337. 1859. Sec. Britton & Rose (1922)
- Echinocactus foersteri* Stieber in *Bot. Zeitung (Berlin)* 5: 491. 1847. Sec. Korotkova (2021)
- Echinocactus intricatus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: 428. 1827. Sec. Kew WCVP (2019)
- ≡ *Melocactus intricatus* Link & Otto in *Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten* 3: t. 24. 1827 syn. sec. Britton & Rose (1922) ≡ *Notocactus intricatus* (Link & Otto) Herter in *Cactus (Paris)* 42: 120. 1954 syn. sec. Kew WCVP (2019)

- Echinocactus lindleya* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 162. 1861. Sec. WFO 2019
- Echinocactus mariposensis* (Hester) D.Weniger. Sec. WFO 2019
- Echinocactus marquinatus* Salm-Dyck. Sec. WFO 2019
- Echinocactus mcdowellii* Orcutt in *W. Amer. Sci.* 8(77): 118. 1894. Sec. TPL (2013)
- Echinocactus multicostatus* Rebut, *Cat. Cact. Pl. Grasses Diverses*: 3. 1886. Sec. Korotkova (2021)
- Echinocactus multicostatus* Daul, *Illustr. Handb. Kakteenkunde*: 65, fig. 42. 1890. Sec. Korotkova (2021)
- Echinocactus mutabilis* C.F.Först. in *Hamburger Garten- Blumenzeitung* 17: 161. 1861. Sec. Korotkova (2021)
- Echinocactus phyllantoides* Lem., *Cact. Gen. Sp. Nov.*: 28. 1839. Sec. Korotkova (2021)
- Echinocactus pseudocereus* Meinsh. in *Wochenschr. Gärtnerei Pflanzenk.* 1: 29. 1858. Sec. WFO 2019
- Echinocactus pulverulentus* Muehlenpf. in *Allg. Gartenzeitung* 16: 9. 1848. Sec. WFO 2019
- Echinocactus sessiliflorus* Pfeiff., *Enum. Diagn. Cact.*: 56. 1837. Sec. WFO 2019
- Echinocactus setosus* Hemsl. in *Biol. Cent.-Amer., Bot.* 1(6): 537. 1880. Sec. WFO 2019
 ≡ *Echinopsis setosa* Linke in *Wochenschr. Gärtnerei Pflanzenk.* 1: 86. 1858 syn. sec. WFO 2019
- Echinocactus urselianus* Monv. in *Salm-Dyck, Cact. Hort. Dyck.*, 1849: 34. 1850. Sec. Britton & Rose (1922)
- Echinocactus uruguensis* K.Schum. Sec. Britton & Rose (1922)
- Echinocereus fendleri* Seitz. Sec. WFO 2019
- Echinocereus platyacanthus* Link & Otto. Sec. WFO 2019
- Echinocereus reichii* Frič in *Möller's Deutsche Gärt.-Zeitung* 46: 267. 1931. Sec. WFO 2019
- Echinofossulocactus ochoterenanus* P.V.Heath, *Calyx*. Sec. Korotkova (2021)
- Echinomastus hispidus* D.Donati & Zanov. in *Piante Grasse* 24: 138. 2004. Sec. Kew WCVP (2019)
- Echinomastus kakui* Backeb., *Descr. Cact. Nov.* 3: 6. 1963. Sec. Kew WCVP (2019)
- Echinonyctanthus monstrosus* Lawr. in *Gard. Mag. (London)* 17: 319. 1841. Sec. WFO 2019
- Echinonyctanthus schelhasii* (Pfeiff.) Lem., *Cact. Gen. Sp. Nov.*: 84. 1839. Sec. Korotkova (2021)
- Echinonyctanthus sulcatus* Lawr. in *Gard. Mag. (London)* 17: 318. 1841. Sec. WFO 2019
- Echinopsis amoenissima* Wender., *Analect. Krit. Bemerk.*: 6. 1852. Sec. WFO 2019
- Echinopsis berlingii* Y.Itô, *Explan. Diagn. Austroechinocactinae*: 285. 1957. Sec. WFO 2019
- Echinopsis coquimbana* Hoffm. Sec. Korotkova (2021)
- Echinopsis elegans* Seidenf. in *Monatsschr. Kakteenk.* 20: 143. 1910. Sec. WFO 2019
- Echinopsis falcata* Rümpler, *Handb. Cacteenk.*, ed. 2: 622. 1885. Sec. WFO 2019
- Echinopsis fragiliflora* Cárdenas. Sec. Korotkova (2021)
- Echinopsis gigantea* R.Mey. in *Monatsschr. Kakteenk.* 29: 58. 1919. Sec. Korotkova (2021)
- Echinopsis hamatispina* Werderm. in *Kakteenkunde* 1934: 141. 1934. Sec. Korotkova (2021)
- Echinopsis hossei* Werderm. in *Gartenflora* 80: 301. 1931. Sec. Korotkova (2021)
 ≡ *Lobivia hossei* (Werderm.) Backeb., *Kaktus-ABC*: 237. 1936 ["1935"] ≡ *Lobivia chrysantha* var. *hossei* (Werderm.) Backeb. in *Beitr. Sukkulenterk. Sukkulenterpflege* 1942: 55. 1942
- Echinopsis jamesiana* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 38. 1850. Sec. Korotkova (2021)
- Echinopsis kermensiana* Y.Itô. Sec. Korotkova (2021)
- Echinopsis macrodiscus* Frič in *Möller's Deutsche Gärt.-Zeitung* 48: 309. 1933. Sec. WFO 2019
- Echinopsis mihanovichii* Frič & Gürke in *Möller's Deutsche Gärt.-Zeitung* 48: 317. 1933. Sec. WFO 2019
- Echinopsis picta* (Lem.) Walp., *Repert. Bot. Syst.* 2: 324. 1843. Sec. WFO 2019
 ≡ *Echinonyctanthus pictus* Lem., *Cact. Gen. Sp. Nov.*: 84. 1839 syn. sec. WFO 2019
- Echinopsis salmiana* Rud.Mey. in *Monatsschr. Kakteenk.* 5: 155. 1895. Sec. WFO 2019
- Echinopsis salpigophara* Lem. ex Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 39. 1850. Sec. WFO 2019
- Echinopsis semidenudata* Cárdenas ex W.Haage. Sec. Korotkova (2021)
- Echinopsis sphacelata* Gravis, *Mém. Acad. Roy. Sci. Belgique, Cl. Sci. (8vo)* II, 14(6): 29. 1935. Sec. WFO 2019
- Echinopsis tephrocacantha* Backeb. & F.M.Knuth, *Kaktus-ABC*: 219. 1936 ["1935"]. Sec. WFO 2019
- Echinopsis tucumanensis* Y.Itô, *Explan. Diagn. Austroechinocactinae*: 285. 1957. Sec. Korotkova (2021)
- Eriocactus leucocarpus* Arechav. Sec. WFO 2019
- Eriocactus pauciareolatus* Arechav. Sec. WFO 2019
- Eriocactus sellowii* var. *macracanthus* Arechav. Sec. WFO 2019
- Eriocactus sellowii* var. *macrogonus* Arechav. Sec. WFO 2019
- Eriocereus polyacanthus* F.Ritter, *Kakteen Südamerika* 2: 436. 1980. Sec. Franck (2016)
- Escobaria boregii* Schmoll ex Shurly in *Cact. J. (Croydon)* 4: 11. 1935. Sec. WFO 2019

- Espostoa humboldtiana* Backeb. in *Cact. Succ. J. (Los Angeles)* 3: 131. 1932. Sec. WFO 2019
- Espostoa humboldtii* Backeb. in *Möller's Deutsche Gärt.-Zeitung* 46: 206. 1931. Sec. WFO 2019
- Espostoa lanata* var. *floridaensis* F.Ritter, *Kakteen Südamerika* 4: 1442. 1981. Sec. WFO 2019
- Eulychnocactus bolivianus* Backeb. in *Möller's Deutsche Gärt.-Zeitung* 46: 207. 1931. Sec. Korotkova (2021)
- Gymnocactus goldii* (Bravo) Y.Itô, *Cactaceae*: 475. 1981. Sec. WFO 2019
- Gymnocactus ourselianum* (Monv.) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 178. 1957. Sec. WFO 2019
- Gymnocactus roseiflorus* G.Frank in *Succulenta (Netherlands)* 72: 42. 1993. Sec. WFO 2019
- Gymnocalycium ottonis* Hosseus in *Revista Centro Estud. Farm. reimpr.* 2(6): 16. 1926. Sec. WFO 2019
- Haageocereus auricolor* Backeb. in *Cact. Succ. J. (Los Angeles)* 3: 130. 1932. Sec. Korotkova (2021)
- Haageocereus rigidissimus* Backeb. in *Cact. Succ. J. (Los Angeles)* 3: 130, in obs. 1932. Sec. IPNI
- *Haageocereus ridigissimus* Backeb. in *Cact. Succ. J. (Los Angeles)* 3: 130. 1932, nom. inval. syn. sec. WFO 2019
- Haageocereus ×smaragdiflorus* Rauh & Backeb. in *Sitzungsber. Heidelberger Akad. Wiss., Math.-Naturwiss. Kl.*: 419. 1958. Sec. Kew WCVP (2019)
- Hamatocactus hamatocanthus* (Houghton) W.T.Marshall. Sec. Korotkova (2021)
- Hamatocactus hamatocanthus* var. *davisii* (Houghton) W.T.Marshall. Sec. Korotkova (2021)
- Hildmannia aspillagai* (Söhrrens) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206. 1941. Sec. WFO 2019
- Hildmannia cumingii* (Hopffer) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206. 1941. Sec. WFO 2019
- Hildmannia jussieui* (Monv. ex Salm-Dyck) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206. 1941. Sec. WFO 2019
- Hildmannia occulta* (Phil.) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 207. 1941. Sec. WFO 2019
- Hildmannia subniger* (Poselg. ex Rümpler) Kreuz. & Buining in *Repert. Spec. Nov. Regni Veg.* 50: 206. 1941. Sec. WFO 2019
- Hylocereus intermedius* Hutchison. Sec. WFO 2019
- Hymenorebutia chrysantha* (Werderm.) F.Ritter, *Kakteen Südamerika* 2: 473. 1980. Sec. WFO 2019
- Hymenorebutia napina* (Pazout) Pazout in *Kakteen And. Sukk.* 15: 125. 1964. Sec. WFO 2019
- Hymenorebutia nealeana* (Backeb.) Buining in *Succulenta (Netherlands)* 21: 103. 1939. Sec. WFO 2019
- Hymenorebutia pseudocachensis* (Backeb.) Buining in *Succulenta (Netherlands)* 21: 103. 1939. Sec. WFO 2019
- Hymenorebutia pusilla* (F.Ritter) F.Ritter, *Kakteen Südamerika* 2: 588. 1980. Sec. WFO 2019
- Krainzia guelzowiana* var. *comocephala* Y.Itô, *Cactaceae*: 564. 1981. Sec. Korotkova (2021)
- Lactomamillara Frič* in *Ceskoslov. Zahradn. Listy* 1924: 133. 1924. Sec. WFO 2019
- Lactomamillara aselliformoides* Frič in *Ceskoslov. Zahradn. Listy* 1924: 133. 1924. Sec. WFO 2019
- Lemaireocereus gladiger* Backeb. in *Möller's Deutsche Gärt.-Zeitung* 45: 82. 1930. Sec. WFO 2019
- Lemaireocereus marginatus* var. *incrustedatus* W.T.Marshall in *Marshall & Bock, Cactaceae*: 81. 1941. Sec. Korotkova (2021)
- Lobivia abrantha* Y.Itô, *Full Bloom Cact. Fls.*: 47. 1962. Sec. WFO 2019
- Lobivia acchaensis* Eb.Scholz, *Echinopseen* 3: 3. 2006. Sec. WFO 2019
- Lobivia albicentra* (Frič) Y.Itô, *Expl. Diagr.*: 102. 1957. Sec. Korotkova (2021)
- ≡ *Hymenorebulobivia albicentra* Frič
- Lobivia apurimacana* F.Ritter. Sec. WFO 2019
- Lobivia areopegon* Speg. ex Hosseus in *Revista Centro Estud. Farm. reimpr.* 2(6): 21. 1926. Sec. Korotkova (2021)
- Lobivia backebergii* var. *capinotensis* E.Herzog in *Kakteen And. Sukk.* 25: 80. 1991. Sec. Korotkova (2021)
- Lobivia chrysantha* var. *janseniana* Backeb. in *Beitr. Sukkulantenk. Sukkulantenpflege* 1942: 55. 1942. Sec. Korotkova (2021)
- Lobivia chrysantha* var. *leucacantha* Backeb. in *Beitr. Sukkulantenk. Sukkulantenpflege* 1942: 54. 1942. Sec. Korotkova (2021)
- Lobivia cinabarina* var. *grandiflora* Rausch in *Kakteen And. Sukk.* 23: 291. 1972. Sec. Korotkova (2021)
- Lobivia cincero* Frič in *Möller's Deutsche Gärt.-Zeitung* 45: 44. 1930. Sec. WFO 2019
- Lobivia cornula* Rausch in *Succulenta (Netherlands)* 51: 42. 1972. Sec. WFO 2019
- Lobivia densispina* f. *versicolor* (Wessner) Buining in *Sukkulantenkunde* 7-8: 95. 1963. Sec. Korotkova (2021)
- ≡ *Lobivia chlorogona* var. *versicolor* Wessner in *Cactaceae (Berlin)* 1940: 17. 1940 ≡ *Echinopsis densispina* f. *versicolor* (Wessner) Buining in *Sukkulantenkunde* 7-8: 95. 1963 syn. sec. WFO 2019
- Lobivia dragai* Frič in *Möller's Deutsche Gärt.-Zeitung* 45: 44. 1930. Sec. WFO 2019
- Lobivia drijveriana* var. *aurantiaca* Backeb. in *Blätt. Kakteenf.* 1934(5): 6. 1934. Sec. Korotkova (2021)
- Lobivia drijveriana* var. *nobilis* Backeb. in *Blätt. Kakteenf.* 1934(5): 6. 1934. Sec. Korotkova (2021)

- Lobivia ducis-pauli* Frič in *Kaktusář* 1(2): 86. 1931. Sec. WFO 2019
- Lobivia ducis-pauli* var. *cristata* Frič ex Kreuz. in *Kaktusář* 2: 3. 1931. Sec. Korotkova (2021)
- Lobivia duursmaiana* Backeb., *Kaktus-ABC*: 414. 1936 ["1935"]. Sec. Korotkova (2021)
 ≡ *Mediolobivia aureiflora* var. *duursmaiana* (Backeb.) Backeb., *Cactaceae* 4: 1492. 1960 ≡ *Lobivia sanguiniflora* var. *duursmaiana* (Backeb.) Rausch, *Lobivia*: 104. 1975
- Lobivia emmae* var. *brevispina* Backeb. in *Spine* 1: 109. 1948. Sec. Korotkova (2021)
- Lobivia erosa* O.F.Cook in *Natl. Hort. Mag.* 22: 148. 1943. Sec. Korotkova (2021)
- Lobivia formosa* var. *nivalis* (Frič) Rausch, *Lobivia* 85: 45. 1987 ["1985"]. Sec. Korotkova (2021)
 ≡ *Lobivia bruchii* var. *nivalis* Frič, *Kakteenjäger*: 3. 1929
- Lobivia formosa* var. *pinchasensis* Rausch, *Lobivia*: 164. 1975, nom. inval. Sec. Korotkova (2021)
- Lobivia fungiflora* B.Braun in *Stachelpost* 9: 101. 1973, nom. inval. Sec. Korotkova (2021)
 ≡ *Lobivia zecheri* var. *fungiflora* B.Braun in *Stachelpost* 9: 138. 1973 ≡ *Lobivia zecheri* f. *fungiflora* (B.Braun) E.Herzog in *Kakteen Sukk.* 24: 107. 1990 ["1989"]
- Lobivia grandiflora* var. *herzogii* Rausch, *Lobivia* 85: 159. 1987 ["1985"]. Sec. Korotkova (2021)
- Lobivia grandiflora* var. *longispina* Rausch, *Lobivia* 85: 139. 1987 ["1985"]. Sec. Korotkova (2021)
- Lobivia grandiflora* var. *pumila* Rausch, *Lobivia* 85: 139. 1987 ["1985"]. Sec. Korotkova (2021)
- Lobivia haageana* f. *albihepatica* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *albihepatica* Backeb. in *Cactus* (Paris) 41: 84. 1954
- Lobivia haageana* f. *bicolor* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *bicolor* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]
- Lobivia haageana* f. *chrysantha* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *chrysantha* Backeb. in *Cactus* (Paris) 41: 84. 1954
- Lobivia haageana* f. *cinnabarina* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *cinnabarina* Backeb. in *Cactus* (Paris) 41: 84. 1954
- Lobivia haageana* f. *croceantha* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *croceantha* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]
- Lobivia haageana* f. *durispina* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *durispina* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]
- Lobivia haageana* f. *grandiflora-stellata* (Backeb.) Krainz, *Kakteen* 15: C Vc. 1960. Sec. Korotkova (2021)
 ≡ *Lobivia haageana* var. *grandiflora-stellata* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]
- Lobivia hermanniana* var. *breviflorior* Backeb., *Kakteenlex.*: 208. 1966. Sec. Korotkova (2021)
- Lobivia herrichiana* f. *wegneriana* (Grunert & Kluegel) J.Ullmann in *Kaktusy* 28(1): 10. 1992. Sec. Korotkova (2021)
 ≡ *Lobivia wegneriana* Grunert & Kluegel syn. sec. Korotkova (2021)
- Lobivia higginsiana* var. *carnea* Y.Itô, *Expl. Diagr.*: 286. 1957. Sec. Korotkova (2021)
- Lobivia hoevenii* Rausch in *Kakteen And. Sukk.* 60: 319. 2009. Sec. WFO 2019
- Lobivia hystrichacantha* Y.Itô, *Full Bloom Cact. Fls.*: 47. 1962. Sec. WFO 2019
- Lobivia ikedae* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 288. 1957. Sec. WFO 2019
- Lobivia ikedae* var. *cinnabarina* Y.Itô, *Expl. Diagr.*: 288. 1957. Sec. Korotkova (2021)
- Lobivia ikedae* var. *erythrantha* Y.Itô, *Expl. Diagr.*: 288. 1957. Sec. Korotkova (2021)
- Lobivia janseniana* Backeb., *Kaktus-ABC*: 414. 1936 ["1935"]. Sec. Korotkova (2021)
- Lobivia janseniana* var. *leucacantha* Backeb., *Kaktus-ABC*: 414. 1936 ["1935"]. Sec. Korotkova (2021)
- Lobivia katagirii* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 286. 1957. Sec. WFO 2019
- Lobivia katagirii* var. *aureorubriflora* Y.Itô, *Expl. Diagr.*: 286. 1957. Sec. Korotkova (2021)
- Lobivia katagirii* var. *chrysantha* Y.Itô, *Expl. Diagr.*: 286. 1957. Sec. Korotkova (2021)
- Lobivia katagirii* var. *croceantha* Y.Itô, *Expl. Diagr.*: 286. 1957. Sec. Korotkova (2021)
- Lobivia katagirii* var. *salmonea* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia kuehhasii* Rausch in *Kakteen And. Sukk.* 60: 320. 2009. Sec. WFO 2019
- Lobivia kupperiana* var. *rubriflora* Backeb., *Cactaceae* 3: 1441. 1959. Sec. Korotkova (2021)
 ≡ *Lobivia lateritia* var. *rubriflora* (Backeb.) Rausch, *Lobivia* 85: 81. 1987 ["1985"] syn. sec. WFO 2019
- Lobivia leucomalla* var. *rubispina* Wessner in *Beitr. Sukkulentenk. Sukkulentenpflege* 1938: 1. 1938. Sec. Korotkova (2021)
- Lobivia matuzawae* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 289. 1957. Sec. Korotkova (2021)
- Lobivia megatae* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 287. 1957. Sec. Korotkova (2021)
- Lobivia muhriae* var. *flaviflora* Backeb., *Descr. Cact. Nov.* 3: 7. 1963. Sec. Korotkova (2021)

- Lobivia napina* Pazout, *Kaktusy*: 131. 1960. Sec. Kew WCV (2019)
- Lobivia nealeana* var. *grandiflora* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia nealeana* var. *purpureiflora* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia nigripina* var. *rubriflora* Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia otukae* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 287. 1957. Sec. Korotkova (2021)
- Lobivia otukae* var. *cinnabarina* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia otukae* var. *croceantha* Y.Itô, *Expl. Diagr.*: 287. 1957. Sec. Korotkova (2021)
- Lobivia pentlandii* var. *longispina* (Rümpler) Backeb., *Kaktus-ABC*: 230. 1936 ["1935"]. Sec. Korotkova (2021)
- Lobivia polyantha* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 289. 1957. Sec. Korotkova (2021)
- Lobivia polycephala* Backeb., *Kaktus-ABC*: 413. 1936 ["1935"]. Sec. Kew WCV (2019)
- ≡ *Lobivia sanguinflora* var. *polycephala* (Backeb.) J.Ullmann in *Kaktusy* (Brno) 28: 34. 1992
- Lobivia pseudocachensis* var. *cinnabarina* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia pseudocachensis* var. *sanguinea* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia pugionacantha* var. *alberi* Diers & Krahn, *Echinopseen* 11: 60. 2014. Sec. Korotkova (2021)
- Lobivia pugionacantha* var. *flaviflora* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia purpurea* (Frič) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 102. 1957. Sec. Korotkova (2021)
- ≡ *Hymenorebulobivia purpurea* Frič syn. sec. Korotkova (2021)
- Lobivia rigidispina* Backeb., *Descr. Cact. Nov.* 3: 7. 1963. Sec. WFO 2019
- Lobivia rosarioana* var. *rubriflora* Rausch in *Kakteen And. Sukk.* 30: 286. 1979. Sec. Korotkova (2021)
- Lobivia rossii* var. *carminata* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia rossii* var. *salmonea* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia rossii* var. *sanguinea* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia rowleyi* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 288. 1957. Sec. WFO 2019
- Lobivia rowleyi* var. *longispina* Y.Itô, *Expl. Diagr.*: 288. 1957. Sec. Korotkova (2021)
- Lobivia rowleyi* var. *rubraurantiaca* Y.Itô, *Expl. Diagr.*: 288. 1957. Sec. Korotkova (2021)
- Lobivia ruberrima* (Frič) Y.Itô, *Explan. Diagr. Austroechinocactinae*: 102. 1957. Sec. WFO 2019
- Lobivia saltensis* var. *multicostata* Rausch, *Lobivia*: 132. 1975, *nom. inval.* Sec. Korotkova (2021)
- ≡ *Lobivia saltensis* var. *multicostata* Rausch in *Kakteen And. Sukk.* 28: 75. 1977 syn. sec. Korotkova (2021)
- Lobivia sanguinflora* var. *pseudolateritia* Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia schneideriana* var. *carnea* Backeb., *Descr. Cact. Nov.* 1: 29. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia schneideriana* var. *cuprea* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia shaferei* subsp. *rubriflora* E.Herzog in *Kakteen Sukk.* 19: 13. 1985. Sec. Korotkova (2021)
- Lobivia tafnaensis* Rausch, *Lobivia* 85: 116, 144. 1987 ["1985"]. Sec. Korotkova (2021)
- Lobivia vanurkiana* Backeb., *Descr. Cact. Nov.* 3: 8. 1963. Sec. WFO 2019
- Lobivia varians* var. *rubroalba* Backeb., *Descr. Cact. Nov.* 1: 28. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia vatteri* var. *robusta* Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia watadae* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 288. 1957. Sec. WFO 2019
- Lobivia watadae* var. *salmonea* Y.Itô, *Expl. Diagr.*: 289. 1957. Sec. Korotkova (2021)
- Lobivia wrightiana* f. *chilensis* E.Herzog in *Kakteen Sukk.* 24: 102. 1990 ["1989"], *nom. inval.* Sec. Korotkova (2021)
- Lobivia wrightiana* var. *brevispina* Backeb., *Descr. Cact. Nov.* 1: 30. 1957 ["1956"]. Sec. Korotkova (2021)
- Lobivia zecheri* f. *ferruginea* E.Herzog in *Kakteen Sukk.* 24: 108. 1990 ["1989"], *nom. inval.* Sec. Korotkova (2021)
- Lophocereus bahiensis* Orcutt in *Cactography* 7. 1926. Sec. Kew WCV (2019)
- Lophocereus glaziovii* Orcutt in *Cactography* 7. 1926. Sec. Kew WCV (2019)
- Lophocereus melanurus* Orcutt in *Cactography* 7. 1926. Sec. Korotkova (2021)
- Lophophora echinata* var. *typica* Croizat in *Desert Pl. Life* 16: 43. 1944. Sec. Korotkova (2021)
- Loxanthocereus pullatus* var. *fulviceps* Rauh & Backeb., *Descr. Cact. Nov.* 1: 15. 1957 ["1956"]. Sec. Korotkova (2021)
- Maihueniopsis leptochlada* F.Ritter, *Kakteen Südamerika* 2: 388. 1980. Sec. WFO 2019
- Maihueniopsis ovata* f. *sterilis* F.Ritter, *Kakteen Südamerika* 3: 871. 1980. Sec. Korotkova (2021)
- Malacocarpus callispinus* Y.Itô, *Explan. Diagr. Austroechinocactinae*: 258. 1957. Sec. WFO 2019
- Malacocarpus erithmifolius* C.A.Mey. Sec. WFO 2019
- Malacocarpus intertextus* Britton & Rose, *Cactaceae* 3: 197. 1922
- Malacocarpus kavariikii* Frič in *Ceskoslov. Zahradn. Listy* 1924: 31. 1924. Sec. Korotkova (2021)
- Malacocarpus mollendensis* Backeb. in *Möller's Deutsche Gärtn.-Zeitung* 46: 207. 1931. Sec. WFO 2019

- Mammillaria acifer* Jacobi in **Allg. Gartenzeitung** 24: 109. 1856. Sec. Korotkova (2021)
- Mammillaria adicantissima* Quehl in **Monatsschr. Kakteenk.** 22: 164. 1912. Sec. WFO 2019
- Mammillaria brevispina* Boed. in **Z. Sukkulenteenk.**: 289. 1928. Sec. WFO 2019
- Mammillaria brownii* Toumey in **Bot. Gaz.** 22(3): 253–255. 1896. Sec. WFO 2019
 ≡ *Cactus brownii* (Toumey) Toumey in **Bot. Gaz.** 22(3): 253. 1896 syn. sec. WFO 2019
- Mammillaria caespititia* DC., **Rev. Cact.**: 112. 1829. Sec. WFO 2019
 ≡ *Cactus caespititius* (DC.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. WFO 2019
- Mammillaria castaneoides* Salm-Dyck, **Cact. Hort. Dyck., ed. 1844: 5. 1845.** Sec. Korotkova (2021)
- Mammillaria caudata* G.Don ex Loudon, **Hort. Brit.**: 194. 1830. Sec. Korotkova (2021)
- Mammillaria circumtexta* Mart., **Hort. Reg. Monac.**: 127. 1829. Sec. Korotkova (2021)
- Mammillaria citrina* Scheidw. ex C.F.Först., **Handb. Cacteenk.**: 518. 1846. Sec. WFO 2019
- Mammillaria columnaroides* Lawr. in **Gard. Mag. (London)** 17: 314. 1841. Sec. Korotkova (2021)
- Mammillaria contacta* H.L.Wendl. ex C.F.Först., **Handb. Cacteenk.**: 254. 1846. Sec. Korotkova (2021)
- Mammillaria corollaria* Ehrenb. in **Allg. Gartenzeitung** 17: 294. 1849. Sec. WFO 2019
 ≡ *Cactus corollarius* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. WFO 2019
- Mammillaria coryphides* Forbes ex C.F.Först., **Handb. Cacteenk.**: 254. 1846. Sec. Korotkova (2021)
- Mammillaria crinigera* Otto ex C.F.Först., **Handb. Cacteenk.**: 254. 1846. Sec. Korotkova (2021)
- Mammillaria cylindrica* Link & Otto in **Verh. Vereins Beförd. Gartenbaues Königl. Preuss. Staaten** 6: 429. 1830. Sec. Korotkova (2021)
- Mammillaria deliusiana* Shurly in **Cact. Succ. J. Gr. Brit.** 10: 92. 1948. Sec. Korotkova (2021)
- Mammillaria dietrichii* Tiegel in **Möller's Deutsche Gärtn.-Zeitung** 48: 413. 1933. Sec. WFO 2019
- Mammillaria echinoides* Quehl in **Monatsschr. Kakteenk.** 23: 42. 1913. Sec. WFO 2019
- Mammillaria euacantha* Backeb. in **Cactaceae (Berlin) 1943-1944: 101. 1944.** Sec. Korotkova (2021)
- Mammillaria eucantha* Backeb. in **Cactaceae (Berlin) 1943-1944: 101. 1944.** Sec. Korotkova (2021)
- Mammillaria falsicrucigera* Backeb., **Cactaceae** 6: 3895. 1962. Sec. WFO 2019
- Mammillaria fellneri* Ehrenb. in **Allg. Gartenzeitung** 17: 261. 1849. Sec. Korotkova (2021)
 ≡ *Cactus fellneri* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. Korotkova (2021)
- Mammillaria fortispina* Shurly in **Cact. J. (Croydon)** 4: 11. 1935. Sec. WFO 2019
- Mammillaria guameri* Orcutt. Sec. Korotkova (2021)
- Mammillaria haematactina* Ehrenb. in **Allg. Gartenzeitung** 16: 266. 1848. Sec. Britton & Rose (1923)
 ≡ *Cactus haematactinus* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria hoolii* Linds. Sec. Korotkova (2021)
- Mammillaria hyatricina* Lawr. in **Gard. Mag. (London)** 17: 314. 1841. Sec. Korotkova (2021)
- Mammillaria irregularis* DC., **Rev. Cact.**: 111. 1829. Sec. Britton & Rose (1923)
 ≡ *Cactus irregularis* (DC.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria leucocephala* Schmoll ex Backeb., **Cactaceae** 5: 3479. 1961. Sec. Kew WCVP (2019)
- Mammillaria lhuajuapensis* Bravo in **Anales Inst. Biol. Univ. Nac. México** 25: 536. 1954. Sec. Korotkova (2021)
- Mammillaria mamillaria* Scheeren. Sec. Korotkova (2021)
- Mammillaria micracantha* Miq. in **Linnaea** 12: 16. 1838. Sec. Britton & Rose (1923)
 ≡ *Cactus micracanthus* (Miq.) Kuntze, **Revis. Gen. Pl.** 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria mucronata* Ehrenb. in **Allg. Gartenzeitung** 17: 294. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus mucronatus* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 260. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria multcentralis* R.T.Craig, **Mammill. Handb.**: 313. 1945. Sec. Kew WCVP (2019)
- Mammillaria neumannii* Regel ex Rümpler, **Handb. Cacteenk., ed. 2: 270. 1885.** Sec. Korotkova (2021)
- Mammillaria nicholsonii* Anon. in **J. Hort. Home Farm., ser. III, 60: 7. 1910.** Sec. Korotkova (2021)
- Mammillaria nolascana* Radley in **Cact. Succ. J. (Los Angeles)** 12: 5. 1940. Sec. WFO 2019
- Mammillaria obliqua* Ehrenb. in **Allg. Gartenzeitung** 17: 250. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus obliquus* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria olorina* Ehrenb. in **Allg. Gartenzeitung** 17: 326. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus olorinus* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria pachythele* Salm-Dyck, **Cact. Hort. Dyck., ed. 1849: 17. 1850.** Sec. Korotkova (2021)
- Mammillaria persicina* Ehrenb. in **Allg. Gartenzeitung** 17: 250. 1849. Sec. Britton & Rose (1923)
 ≡ *Cactus persicanus* (Ehrenb.) Kuntze, **Revis. Gen. Pl.** 1: 261. 1891 syn. sec. Britton & Rose (1923)

- Mammillaria plecostigma* Meinsh. in Wochenschr. Gärtnerei Pflanzenk. 1: 27. 1858.** Sec. Britton & Rose (1923)
 ≡ *Cactus plecostigma* (Meinsh.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
 = *Mammillaria plecostigma* var. *major* Meinsh. in Wochenschr. Vereines Beförd. Gartenbaues Königl. Preuss. Staaten 1: 27. 1858 syn. sec. Kew WCVP (2019)
 = *Mammillaria plecostigma* var. *minor* Meinsh. in Wochenschr. Vereines Beförd. Gartenbaues Königl. Preuss. Staaten 1: 27. 1858 syn. sec. Kew WCVP (2019)
- Mammillaria pleiocephala* Regel & Klein bis, Index Seminum [St. Petersburg (Petropolitanus)] 1860: 47. 1860.** Sec. Britton & Rose (1923)
 ≡ *Cactus pleiocephalus* (Regel & Klein bis) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria procurva* Sencke in Blumen-Zeitung 27: 241. 1854.** Sec. Korotkova (2021)
- Mammillaria pugionacantha* C.F.Först. in Allg. Gartenzeitung 15: 50. 1847.** Sec. Britton & Rose (1923)
 ≡ *Cactus pugionacanthus* (C.F.Först.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria purpurea* Ehrenb. in Allg. Gartenzeitung 17: 270. 1849.** Sec. Britton & Rose (1923)
 ≡ *Cactus purpureus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria rosea* Scheidw., Hort. Belge 118: t. 5. 1838.** Sec. Britton & Rose (1923)
 ≡ *Cactus roseus* (Scheidw.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria rubidula* Ehrenb.** Sec. Korotkova (2021)
 ≡ *Cactus rubidulus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Korotkova (2021)
- Mammillaria rueschiana* Regel, Index Sem. (Zurich) Coll.: p. 4. 1850.** Sec. Korotkova (2021)
- Mammillaria rufidula* Ehrenb. in Allg. Gartenzeitung 17: 295. 1849.** Sec. Britton & Rose (1923)
 ≡ *Cactus rufidulus* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria salmiana* Fennel ex C.F.Först., Handb. Cacteenk.: 254. 1846.** Sec. Korotkova (2021)
- Mammillaria saltillensis* Boed. in Z. Sukkulenteenk.: 270. 1928.** Sec. Korotkova (2021)
- Mammillaria saxatilis* Scheer, Bot. Voy. Herald: 286. 1856.** Sec. Britton & Rose (1923)
 ≡ *Cactus saxatilis* (Sheer) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria seidelii* Tersch., Suppl. Cact. Verz.: 1.** Sec. Britton & Rose (1923)
 ≡ *Cactus seidelii* (Tersch.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria sessilis* Mottet, Dict. Prat. Hort. 3: 246. 1895–1896.** Sec. Korotkova (2021)
- Mammillaria spectabilis* Muehlenpf. in Allg. Gartenzeitung 13: 339. 1846.** Sec. Britton & Rose (1923)
 ≡ *Cactus spectabilis* (Muehlenpf.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria spinaurea* Salm-Dyck in Allg. Gartenzeitung 18: 394. 1850.** Sec. Britton & Rose (1923)
 ≡ *Cactus spinaureus* (Salm-Dyck) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria spinosa* G.Don, Hort. Brit.: 194. 1830.** Sec. Korotkova (2021)
- Mammillaria subulifera* Ehrenb. in Allg. Gartenzeitung 17: 242. 1849.** Sec. Britton & Rose (1923)
 ≡ *Cactus subulifer* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria tecta* Miq. in Linnaea 12: 12. 1838.** Sec. Britton & Rose (1923)
 ≡ *Cactus tectus* (Miq.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria variamamma* Ehrenb. in Allg. Gartenzeitung 17: 242. 1849.** Sec. Korotkova (2021)
- Mammillaria wegneri* Ehrenb. in Bot. Zeitung (Berlin) 1: 738. 1843.** Sec. Britton & Rose (1923)
 ≡ *Cactus wegneri* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Mammillaria werdermanii* H.Weiss in Kakteen-Freund 3: 18. 1934.** Sec. WFO 2019
- Mammillaria xanthispina* Sencke in Blumen-Zeitung 27: 242. 1854.** Sec. Korotkova (2021)
- Mammillaria zepnickii* Ehrenb. in Bot. Zeitung (Berlin) 2: 835. 1844.** Sec. Britton & Rose (1923)
 ≡ *Cactus zepnickii* (Ehrenb.) Kuntze, Revis. Gen. Pl. 1: 261. 1891 syn. sec. Britton & Rose (1923)
- Matucana roseoalba* Hort.** Sec. Korotkova (2021)
 ≡ *Matucana myriacantha* f. *roseoalba* (Hort.) Lodé in Repert. Pl. Succ. 43: 15. 1992 syn. sec. Tropicos
- Medioblobivia carminata* Backeb. ex Krainz in Sukkulenteenkunde 1: 20. 1947.** Sec. Korotkova (2021)
- Medioblobivia turbiniformis* Backeb. ex Frič & Kreuz. in Succulenta (Netherlands) 18: 124. 1936.** Sec. WFO 2019
- Melocactus calderanus* Eerkens in Succulenta (Netherlands) 83: 166. 2004.** Sec. Korotkova (2021)
- Melocactus hookeri* Lawr. in Gard. Mag. (London) 17: 319. 1841.** Sec. Korotkova (2021)
- Melocactus hookerianus* Forbes ex C.F.Först., Handb. Cacteenk.: 279. 1846, nom. nud.** Sec. Britton & Rose (1922)
- Melocactus lasyacanthus* Sprenger in Gartenflora 41: 248. 1892.** Sec. Korotkova (2021)
- Melocactus viridis* Lawr. in Gard. Mag. (London) 17: 319. 1841.** Sec. Kew WCVP (2019)
- Mesechinopsis nakajimae* Y.Itô, Explan. Diagn. Austroechinocactinae: 286. 1957.** Sec. WFO 2019

- Microspermia cruci-albicentra* Frič in Möller's Deutsche Gärtn.-Zeitung 45: 43. 1930. Sec. WFO 2019
- Microspermia gigantea* Frič ex Kreuz. in Möller's Deutsche Gärtn.-Zeitung 44: 254. 1929. Sec. WFO 2019
- Microspermia rigidissima* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 170. 1929. Sec. WFO 2019
- Navajoa durispina* Y.Itô, Cactaceae: 473. 1981, nom. inval. Sec. Korotkova (2021)
- Neobesseya arizonica* Hester, Desert Pl. Life 13: 191. 1941. Sec. WFO 2019
- Neobesseya roseiflora* Lahman ex G.H.Turner in Cact. Succ. J. (Los Angeles) 4: 72. 1939. Sec. WFO 2019
= *Neobesseya rosiflora* Lahman in Cact. Succ. J. (Los Angeles) 11: 72. 1939
- Neochilenia flaviflora* Y.Itô, Cactaceae: 652. 1981. Sec. WFO 2019
- Neochilenia hypogaea* Backeb., Cactaceae 3: 1830. 1959. Sec. WFO 2019
- Neochilenia pulchella* Backeb., Cactaceae 6: 3781. 1962. Sec. WFO 2019
- Neogymnantha neocummingii* Y.Itô, Cactaceae: 254. 1981. Sec. WFO 2019
- Neolobivia* × *nakaii* Y.Itô, Explan. Diagr. Austroechinocactinae: 284. 1957. Sec. Kew WCVP (2019)
= *Neolobivia* × *nakaii* var. *albiflora* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *nakaii* var. *albocinnabarina* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *nakaii* var. *atrorosiflora* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *nakaii* var. *atrorubriflora* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *nakaii* var. *rosiflora* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *xiphacantha* Y.Itô, Expl. Diagr.: 285. 1957 syn. sec. Kew WCVP (2019)
- Neolobivia ritteri* (Wessner) Y.Itô, Explan. Diagr. Austroechinocactinae: 55. 1957. Sec. WFO 2019
- Neolobivia* × *segawae* Y.Itô, Explan. Diagr. Austroechinocactinae: 284. 1957. Sec. Kew WCVP (2019)
= *Neolobivia* × *segawae* var. *albiroseiflora* Y.Itô, Expl. Diagr.: 284. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *segawae* var. *roseiflora* Y.Itô, Expl. Diagr.: 284. 1957 syn. sec. Kew WCVP (2019)
= *Neolobivia* × *segawae* var. *rubriviolaciflora* Y.Itô, Expl. Diagr.: 284. 1957 syn. sec. Kew WCVP (2019)
- Neolobivia xiphacantha* Y.Itô, Explan. Diagr. Austroechinocactinae: 285. 1957. Sec. WFO 2019
- Neomammillaria alba* (Y.Itô) Y.Itô, Cactaceae: 579. 1981. Sec. WFO 2019
- Neomammillaria aljibensis* Schmoll & Y.Itô in Itô, Cactaceae: 608. 1981. Sec. WFO 2019
- Neomammillaria bucareliensis* Tiegel ex W.T.Neale, Cact. & other Succul.: 83. 1935. Sec. WFO 2019
- Neomammillaria conspicua* Bravo in Anales Inst. Biol. Univ. Nac. Autón. México, Biol. 1: 122. 1930. Sec. WFO 2019
- Neomammillaria euthele* (Backeb. & Y.Itô) Y.Itô, Cactaceae: 611. 1981. Sec. WFO 2019
- Neomammillaria goodridgei* (Scheer) Britton & Rose, Cactaceae 4: 158. 1923. Sec. WFO 2019
≡ *Chilita goodridgei* (Scheer) Orcutt in Cactography 2. 1926 syn. sec. WFO 2019
- Neomammillaria kleinii* (Regel) Y.Itô, Cactaceae: 593. 1981. Sec. WFO 2019
- Neomammillaria leucocentra* (Kuntze) Y.Itô, Cactaceae: 575. 1981. Sec. WFO 2019
- Neomammillaria macromastos* (Y.Itô) Y.Itô, Cactaceae: 612. 1981. Sec. WFO 2019
- Neomammillaria minuta* Bartlett ex Beard in Bot. Gaz. 99: 14. 1937. Sec. WFO 2019
- Neomammillaria nealeana* Schmoll ex W.T.Neale, Cact. Succ.: 91. 1935. Sec. WFO 2019
- Neomammillaria neoconspicua* Y.Itô, Cactaceae: 578. 1981. Sec. WFO 2019
- Neomammillaria neoelegans* Y.Itô, Cactaceae: 582. 1981. Sec. WFO 2019
- Neomammillaria neoformosa* Y.Itô, Cactaceae: 588. 1981. Sec. WFO 2019
- Neomammillaria neohumboldtii* Y.Itô, Cactaceae: 569. 1981. Sec. WFO 2019
- Neomammillaria neotetracantha* (Y.Itô) Y.Itô, Cactaceae: 614. 1981. Sec. WFO 2019
- Neomammillaria oraticeps* (Y.Itô) Y.Itô, Cactaceae: 605. 1981. Sec. WFO 2019
- Neomammillaria schansieri* (J.M.Coult.) Britton & Rose. Sec. WFO 2019
- Neomammillaria tenuicaulis* (Y.Itô) Y.Itô, Cactaceae: 602. 1981. Sec. WFO 2019
- Neoporteria rapifera* F.Ritter & Y.Itô in Itô, Cactaceae: 421. 1981. Sec. WFO 2019
- Neoporteria thiebautiana* (Backeb.) Y.Itô, Explan. Diagr. Austroechinocactinae: 220. 1957. Sec. WFO 2019
- Notocactus darilhoensis* Prestlé in Minimus 21: 71. 1990. Sec. WFO 2019
- Notocactus moelleri* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 23. 1929. Sec. WFO 2019
- Notocactus muegelianus* T.Engel in Internoto 9: 121. 1988. Sec. WFO 2019
- Notocactus neo-ottoianus* Y.Itô, Cactaceae: 439. 1981. Sec. WFO 2019
- Notocactus notabilis* Dupal in Minimus 19: 11. 1988. Sec. WFO 2019
- Notocactus pseudopulvinatus* N.Gerloff in Internoto 8: 127. 1987. Sec. WFO 2019
- Notocactus velenovskyi* Frič in Möller's Deutsche Gärtn.-Zeitung 44: 23. 1929. Sec. Korotkova (2021)
≡ *Notocactus velenovskii* Frič ex Backeb., Kaktus-ABC: 255. 1936 ["1935"] syn. sec. Korotkova (2021)

- = *Notocactus velenovskiy* Y.Itô, Explan. Diagr. Austroechinocactinae: 294. 1957 syn. sec. Korotkova (2021)
- Opuntia albispinosa* Mieckley ex Lindemuth & Dams in *Monatsschr. Kakteenk.* **14**: 178. 1904. Sec. WFO 2019
- Opuntia amarilla* Griffiths in *Bull. Torrey Bot. Club* **46**: 205. 1919. Sec. Kew WCVP (2019)
- Opuntia ambigua* Link ex Ten. in *Atti Riunione Sci. Ital.* **7**: 884. 1846. Sec. Korotkova (2021)
- Opuntia arborea* Rojas Acosta, *Cat. Hist. Nat. Corrient.*: 64. 1897. Sec. Korotkova (2021)
- Opuntia calacantha* Forbes ex W.H.Baxter, *Suppl. Hort. Brit.*: 599. 1850. Sec. Korotkova (2021)
- Opuntia carnosa* A.Usteri in *Guia Bot. Prafa Rep. Jard. Luz*: 27. 1919. Sec. Kew WCVP (2019)
- Opuntia chata* Griffiths in *Bull. Torrey Bot. Club* **46**: 199. 1919. Sec. Korotkova (2021)
- Opuntia chella* F.A.C.Weber in *Bull. Mus. Hist. Nat. (Paris)* **1**: 320. 1895. Sec. Korotkova (2021)
- Opuntia cyanea* Griffiths in *Bull. Torrey Bot. Club* **46**: 196. 1919. Sec. Korotkova (2021)
- Opuntia effulgia* Griffiths in *Bull. Torrey Bot. Club* **46**: 195. 1919. Sec. Korotkova (2021)
- = *Opuntia hispanica* Griffiths in *Bull. Torrey Bot. Club* **46**: 198. 1919 syn. sec. Kew WCVP (2019)
- Opuntia hanburyana* F.A.C.Weber ex A.Berger in *Gard. Chron.*, ser 3, **1904(1)**: 34. 1904. Sec. Korotkova (2021)
- Opuntia horstii* Heinrich, *Descr. Cact. Nov.* **3**: 10. 1963. Sec. Korotkova (2021)
- Opuntia intermedia* A.Gray in *Boston J. Nat. Hist.* **6**: 206. 1850. Sec. Korotkova (2021)
- Opuntia jussieui* J.N.Haage ex C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Korotkova (2021)
- Opuntia kuehnrhichii* Backeb. in *Cact. Succ. J. (Los Angeles)* **3**: 132. 1932. Sec. Korotkova (2021)
- Opuntia laiglonii* Frič in *Ceskoslov. Zahradn. Listy* **1924**: 122. 1924. Sec. Korotkova (2021)
- Opuntia loomsii* Peebles in *Cact. Succ. J. (Los Angeles)* **9**: 109. 1938. Sec. Korotkova (2021)
- Opuntia macrantha* Gibbes in *Proc. Elliott Soc. Nat. Hist. Charleston* **1**: 273. 1858. Sec. Korotkova (2021)
- Opuntia montana* Sencke ex Haage, *Verz. Cact.*: 29. 1864. Sec. Korotkova (2021)
- Opuntia morenoi* K.Schum., *Revis. Gen. Pl.* **3(2)**: 107. 1898. Sec. Korotkova (2021)
- Opuntia neorutila* Y.Itô, *Cactaceae*: 85. 1981. Sec. Korotkova (2021)
- Opuntia opuntia* J.M.Coult. in *Contr. U.S. Natl. Herb.* **3**: 432. 1896, nom. inval. Sec. Korotkova (2021)
- Opuntia papyracantha* K.Schum., *Gesamtbeschr. Kakt.*: 694. 1898. Sec. Korotkova (2021)
- Opuntia peckii* J.A.Purpus in *Mitt. Deutsch. Dendrol. Ges.* **34**: 63. 1925. Sec. Korotkova (2021)
- Opuntia phyllacantha* Salm-Dyck ex C.F.Först., *Handb. Cacteenk.*: 508. 1846. Sec. Korotkova (2021)
- Opuntia pseudo-tuna* Salm-Dyck, *Observ. Bot. Hort. Dyck.* **3**: 7. 1822. Sec. Korotkova (2021)
- Opuntia reptans* Karw. ex W.H.Baxter, *Suppl. Hort. Brit.*: 599. 1850. Sec. Korotkova (2021)
- Opuntia salicornoides* Spreng. ex Pfeiff., *Enum. Diagn. Cact.*: 141. 1837. Sec. Korotkova (2021)
- Opuntia securigera* Borg, *Cacti*, ed. 1: 67. 1937. Sec. Kew WCVP (2019)
- Opuntia virens* Ten. in *Atti Riunione Sci. Ital.* **7**: 886. 1846. Sec. Kew WCVP (2019)
- Pachgerocereus pecten-aboriginum* Britton. Sec. WFO 2019
- Pachgerocereus pringlei* Britton. Sec. WFO 2019
- Parodia camblayoides* F.H.Brandt, *Gattung Parodia* **1**: 125. 1989. Sec. Korotkova (2021)
- Peireskia lanceolata* K.Schum. in *Engler & Prantl, Nat. Pflanzenfam.* **3(6a)**: 206. 1894. Sec. WFO 2019
- Pereskia grandispina* J.Forbes, *Hort. Tour Germ.*: 159. 1837. Sec. WFO 2019
- Pereskia haageana* Meinsh. in *Wochenschr. Gärtnerei Pflanzenk.* **2**: 118. 1859. Sec. WFO 2019
- Pereskia hortensis* Voss, *Vilm. Blumengärtn. ed. 3* **1**: 385. 1894. Sec. WFO 2019
- Pereskia kellermanii* Rose in *Smithsonian Misc. Collect.* **50**: 332. 1907. Sec. WFO 2019
- Pereskia lanceolata* Salm-Dyck, *Cact. Hort. Dyck.*, ed. 1849: 252. 1850. Sec. WFO 2019
- Pereskia lanceolata* C.F.Först., *Handb. Cacteenk.*: 513. 1846. Sec. WFO 2019
- Pereskia longissima* Voss, *Vilm. Blumengärtn. ed. 3* **1**: 385. 1894. Sec. WFO 2019
- Pereskia plantaginea* Pfeiff., *Enum. Diagn. Cact.*: 179. 1837. Sec. WFO 2019
- Pereskia rufida* Hort. in *Cact. Succ. J. (Los Angeles)* **7**: 80. 1940. Sec. WFO 2019
- Peyotl zacatensis* F.Hern., *Hist. Pl. Nov. Hisp.* **3**: 70. 1790, nom. inval. Sec. WFO 2019
- Phellosperma pacificum* H.E.Gates in *Cact. Succ. J. (Los Angeles)* **3**: 37. 1931. Sec. Korotkova (2021)
- Phyllarthus speciosus* M.Gómez in *Bol. Secr. Agric. Comerc. Trab., Cuba* **22**: 119. 1914. Sec. Korotkova (2021)
- Phyllocactus charltonii* Mast. in *Gard. Chron.* **1869**: 638. 1869. Sec. WFO 2019
- Phyllocactus pfersdorfii* K.Schum., *Gesamtbeschr. Kakt.*: 138. 1897. Sec. WFO 2019
- Pilocereus bergeri* Backeb. in *Möller's Deutsche Gärtn.-Zeitung* **45**: 82. 1930. Sec. Korotkova (2021)
- Pilocereus crenulatus* Salm-Dyck ex Rümpler, *Handb. Cacteenk.*, ed. **2**: 655. 1885. Sec. Franck (2021)
- Pilocereus crisanthus* Byles & Rowlee. Sec. Korotkova (2021)

- Pilocereus haensleri* Backeb. in Möller's Deutsche Gärtn.-Zeitung 46: 207. 1931. Sec. Korotkova (2021)
- Pilocereus hagendorpii* Regel in Gartenflora 18: 220. 1869. Sec. Korotkova (2021)
- Pilocereus klousacekii* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930. Sec. Korotkova (2021)
- Pilocereus llanosii* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930. Sec. Korotkova (2021)
- Pilocereus multispinus* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930. Sec. Korotkova (2021)
- Pilocereus polyptichus* Lem. ex Rümpler, Handb. Cacteenk., ed. 2: 680. 1885. Sec. Korotkova (2021)
- Pilocereus remolinensis* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930. Sec. Korotkova (2021)
- Pilocereus smithianus* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 81. 1930. Sec. Korotkova (2021)
- Pilocereus strictus* f. *aureus* K.Schum., Gesamtbeschr. Kakt.: 190. 1897. Sec. Korotkova (2021)
- Pilocereus tuberculatus* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"]. Sec. Korotkova (2021)
- Pilocereus verheinii* Rümpler, Handb. Cacteenk., ed. 2: 690. 1885. Sec. Korotkova (2021)
- Pilocereus verkeinei* Rümpler, Handb. Cacteenk., ed. 2: 690. 1885. Sec. Korotkova (2021)
- Pilocereus wagnaarii* Croizat in Noved. Ci., Ser. Bot. 1: 2. 1950. Sec. WFO 2019
 ≡ *Subpilocereus wagnaarii* (Croizat) Backeb. in Cact. Succ. J. (Los Angeles) 23: 123. 1951 syn. sec. WFO 2019
- Pilocereus weingartii* Backeb. in Möller's Deutsche Gärtn.-Zeitung 45: 82. 1930. Sec. Korotkova (2021)
- Pilosocereus catalani* (Riccob.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19: 66. 1957. Sec. WFO 2019
 ≡ *Pilocereus catalani* Riccob. in Boll. Reale Orto Bot. Palermo n.s. 2: 225. 1921 syn. sec. WFO 2019
- Pilosocereus ginnensis* Rauh & Backeb., Descr. Cact. Nov. 1: 34. 1957 ["1956"]. Sec. WFO 2019
- Pilosocereus hermentianus* (Monv. ex Lem.) Byles & G.D.Rowley in Cact. Succ. J. Gr. Brit. 19(3): 67. 1957. Sec. WFO 2019
 ≡ *Cereus hermentianus* Monv. ex Lem. in Ill. Hort. 6(Misc.): 90. 1859 syn. sec. WFO 2019 ≡ *Cephalocereus hermentianus* (Monv. ex Lem.) Britton & Rose in Contr. U.S. Natl. Herb. 12: 416. 1909 syn. sec. WFO 2019 ≡ *Pilocereus hermentianus* Lem., Cactées: 63. 1868 syn. sec. Korotkova (2021)
- Pilosocereus occultiflorus* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 71: 311. 1999. Sec. WFO 2019
 ≡ *Pilocereus occultiflorus* P.J.Braun & Esteves in Cact. Succ. J. (Los Angeles) 71: 311. 1999 syn. sec. Korotkova (2021)
- Pyrrhocactus griseus* Backeb., Cactaceae 6: 3906. 1962. Sec. WFO 2019
- Rebulobivia peterseimii* Frič. Sec. WFO 2019
- Rebutia nicolaii* Frič in Möller's Deutsche Gärtn.-Zeitung 47: 422. 1932. Sec. WFO 2019
- Rhipsalis communis* (Pfeiff.) Mottet, Dict. Prat. Hort. 4: 479 ?. 1896–1897. Sec. Korotkova (2021)
- Rhipsalis gaermeri* Vaupel, Nat. Pflanzenfam., ed. 2, 21: 619. 1925. Sec. TPL (2013)
- Setirebutia disciformis* Frič in Succulenta (Netherlands) 18: 134. 1936. Sec. WFO 2019
 ≡ *Medioblobivia disciformis* Frič in Succulenta (Netherlands) 18: 134. 1937 syn. sec. WFO 2019
- Setirebutia turbiniformis* Frič in Succulenta (Netherlands) 18: 124. 1936. Sec. WFO 2019
 ≡ *Medioblobivia turbiniformis* Frič in Succulenta (Netherlands) 18: 124. 1936 syn. sec. WFO 2019
- Sulcorebutia ambigua* (Hildm.) F.H.Brandt in Frankfurter Kakteenf. 3: 9. 1976. Sec. WFO 2019
- Sulcorebutia ×erinacea* Slaba & Šorma in Kaktusy (Brno) 41: 13. 2005. Sec. WFO 2019
- Sulcorebutia lada-horacekii* Slaba in Kaktusy (Brno) 50: 41. 2014. Sec. Eggli (2021)
- Tephrocactus neoglomeratus* Y.Itô, Cactaceae: 73. 1981. Sec. WFO 2019
- Tephrocactus neopentlandii* Y.Itô, Cactaceae: 74. 1981. Sec. WFO 2019
- Trichocereus johnsonii* Hutchison. Sec. WFO 2019
- Trichocereus rondonianus* Kelsey & Dayton, Standard. Pl. Names, ed. 2: 78. 1942, nom. inval. Sec. WFO 2019
- Trichocereus serenanus* Y.Itô, Cactaceae: 166. 1981. Sec. WFO 2019
- Weberbauerocereus callanus* Hutchison. Sec. WFO 2019
- Weingartia frey-juckeri* Diers & K.Augustin in Gymnocalycium 20: 711. 2007. Sec. WFO 2019
- Weingartia sapi* F.H.Brandt in Kakteen Orch. Rundschau 1982(5): 72. 1982. Sec. WFO 2019

Excluded names

- Ariocarpus pulvilliger* K.Schum. in Bot. Jahrb. Syst. 24(5): 550. 1898. Sec. WFO 2019
 squalm. - *Ariocarpus pulvilligeris* (Lem.) K.Schum.
- Cereus mallentianus* J.F.Cels ex K.Schum. Sec. WFO 2019
 squalm. for *Cereus malletianus*
- Echinocactus barcelona* Walton in Cact. J. (London) 2: 79, 175, 191. 1899, nom. nud. Sec. TPL (2013)
 Name only f. Backeberg 1962.

***Echinocactus schlumbergeri* Cels in Schumann, Gesamtbeschr. Kakt.: 409. 1898.** Sec. Britton & Rose (1922)

Incorrect record

***Echinocactus sutterianus* Schick ex A.Berger, Kakteen: 220. 1929.** Sec. Kew WCVP (2019)

Duplicate record with incorrect author and nomenclatural reference.

***Echinocereus pectinatus* var. *armatus* Poselg.** Sec. TPL (2013)

An erroneous name from Tropicos, citation leads to *Cereus pectinatus* var. *armatus* Poselg.

***Echinocereus pulchellus* var. *amoenus* C.F.Först. in Allg. Gartenzeitung 12: 292. 1844.** Sec. TPL (2013)

Name is not found at cited page nor elsewhere. TPL name source was Tropicos.

***Eriocactus courantii* Lem.** Sec. WFO 2019

Echinocactus, nor *Eriocactus*

***Frailea altigibbera* P.J.Braun & Esteves in Succulenta (Netherlands) 74(3): 131. 1995.** Sec. Korotkova (2021)

Erroneous record, this combination was not published at the place cited.

***Gymnocalycium tilcarensense* (Backeb.) H.Till & W.Till, Monogr. Gattung Gymnocalycium: 134. 1992.** Sec. Metzging (2021)

Incorrect record.

***Lobivia polypetala* Rausch.** Sec. TPL (2013)

Squalm. for *Lobivia pygmaea* var. *polypetala* Rausch

***Monvillea piedadensis* Backeb. & Voll.** Sec. TPL (2013)

A record from Tropicos that cannot be traced

***Nopalopuntia* Alexander**

Name does not exist, error from WFO (2019), likely derived from the erroneous "*Nopalopuntia macdougallii* (Alexander) Bravo".

***Notocactus nigrispinus* R.Kiesling.** Sec. TPL (2013)

Apparently a herbarium name that entered The Plant List from Tropicos.

***Pediocactella* Doweld.** Sec. TPL (2013)

Genus name probably derived from "*Pediocactella bradyi*" in Fl. N. Am. - no publication record for this generic name found.

***Pilosocereus leninghausii* F.Haage.** Sec. WFO 2019

Name could not be traced, probably squalm. *Pilocereus lenninghausii*

Index to scientific names

(with their World Flora Online name identifiers – see Borsch & al. 2020)

| | | | |
|--|------|---|------|
| <i>Acanthanthus ayacuchensis</i> (Johnson & Y.Itô) Y.Itô wfo--0000513038..... | 190 | <i>Acanthocalycium variiflorum</i> Backeb. wfo--0000513072 .. | 4 |
| <i>Acanthanthus cactacearum</i> Backeb. wfo--0001215976 | 407 | <i>Acanthocalycium violaceum</i> (Werderm.) Backeb. wfo--0000513073 | 4 |
| <i>Acanthanthus cactacearum</i> Y.Itô wfo--0001215977..... | 407 | <i>Acanthocephala</i> Backeb. wfo--4000000102 | 279 |
| <i>Acanthanthus tegelerianus</i> (Backeb.) Y.Itô wfo--0000513039..... | 190 | <i>Acanthocephala graessneri</i> (K.Schum.) Guiggi wfo--0001257513 | 286 |
| <i>Acanthanthus</i> Y.Itô wfo--4000000089 | 103 | <i>Acanthocephala haselbergii</i> (Haage ex Rümpler) Guiggi wfo--0001430016 | 286 |
| <i>Acanthocalycium andreaeanum</i> (Backeb.) Donald wfo--0000513055..... | 125 | <i>Acanthocereus</i> (Engelm. ex A.Berger) Britton & Rose wfo--4000000104 | 4 |
| <i>Acanthocalycium aurantiacum</i> Rausch wfo--0000513056 | 4 | <i>Acanthocereus acutangulus</i> (Pfeiff.) A.Berger wfo--0000513081 | 6 |
| <i>Acanthocalycium</i> Backeb. wfo--4000000096 | 3 | <i>Acanthocereus albicaulis</i> Britton & Rose wfo--0000513084 | 39 |
| <i>Acanthocalycium brevispinum</i> F.Ritter wfo--0000513057 | 4 | <i>Acanthocereus baxaniensis</i> (Karw. ex Pfeiff.) Borg wfo--0000513085 | 4, 6 |
| <i>Acanthocalycium catamarcense</i> F.Ritter wfo--0000513059 | 4 | <i>Acanthocereus brasiliensis</i> Britton & Rose wfo--0000513086 | 360 |
| <i>Acanthocalycium chionanthum</i> (Speg.) Backeb. wfo--0000513060..... | 4 | <i>Acanthocereus canoensis</i> (P.R.House, Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova wfo--0001430017 .. | 5 |
| <i>Acanthocalycium ferrarii</i> Rausch wfo--0000513061 | 4 | <i>Acanthocereus castellae</i> (Sánchez-Mej.) Lodé wfo--0001430018 | 5 |
| <i>Acanthocalycium formosum</i> (Pfeiff.) Backeb. wfo--0000513062..... | 347 | <i>Acanthocereus chiapensis</i> Bravo wfo--0000513087 | 5 |
| <i>Acanthocalycium formosum</i> var. <i>albispinum</i> (F.A.C.Weber ex Schelle) Y.Itô wfo--0000738851..... | 347 | <i>Acanthocereus colombianus</i> Britton & Rose wfo--0000513088 | 6 |
| <i>Acanthocalycium glaucum</i> F.Ritter wfo--0000513063 | 3 | <i>Acanthocereus cuixmalensis</i> (Sánchez-Mej.) Lodé wfo--0001430019 | 5 |
| <i>Acanthocalycium griseum</i> Backeb. wfo--0000513064 | 4 | <i>Acanthocereus floridanus</i> Small ex Britton & Rose wfo--0000513089 | 6 |
| <i>Acanthocalycium hyalacanthum</i> (Speg.) Backeb. wfo--0000513065..... | 348 | <i>Acanthocereus fosterianus</i> (Cutak) Lodé wfo--0001430020 | 5 |
| <i>Acanthocalycium klimpelianum</i> (Weidlich & Werderm.) Backeb. wfo--0000513066 | 4 | <i>Acanthocereus griseus</i> Backeb. wfo--0000513090 | 5 |
| <i>Acanthocalycium klimpelianum</i> var. <i>macranthum</i> (Rausch) J.G.Lamb. wfo--0000513067 | 4 | <i>Acanthocereus guatemalensis</i> W.T.Marshall wfo--0001288603 | 407 |
| <i>Acanthocalycium leucanthum</i> (Gillies ex Salm-Dyck) Schlumpb. wfo--0001430008 | 3 | <i>Acanthocereus haackeanus</i> Backeb. ex Lodé wfo--0001430021 | 5 |
| <i>Acanthocalycium oreopogon</i> (Speg.) Backeb. wfo--0001288602..... | 347 | <i>Acanthocereus hesperius</i> D.R.Hunt wfo--0001430022 | 5 |
| <i>Acanthocalycium peitscherianum</i> Backeb. wfo--0000513069..... | 4 | <i>Acanthocereus hirschtianus</i> (K.Schum.) Lodé wfo--0001430023 | 5 |
| <i>Acanthocalycium rhodotrichum</i> (K.Schum.) Schlumpb. wfo--0001430009 | 3 | <i>Acanthocereus horribarbis</i> (Salm-Dyck) Borg wfo--0000513091 | 41 |
| <i>Acanthocalycium rhodotrichum</i> subsp. <i>chacoanum</i> (Schütz) Schlumpb. wfo--0001434675 | 4 | <i>Acanthocereus horridus</i> Britton & Rose wfo--0000513092 | 6 |
| <i>Acanthocalycium rhodotrichum</i> subsp. <i>rhodotrichum</i> wfo--0001430010 | 4 | <i>Acanthocereus macdougallii</i> (Cutak) Lodé wfo--0001430024 | 5 |
| <i>Acanthocalycium rhodotricum</i> (K.Schum.) Schlumpb. wfo--0001430011..... | 3 | <i>Acanthocereus maculatus</i> (Weing.) F.M.Knuth wfo--0000513093 | 5 |
| <i>Acanthocalycium spiniflorum</i> (K.Schum.) Backeb. wfo--0000513070..... | 3, 4 | <i>Acanthocereus maculatus</i> Weing. ex Bravo wfo--0001288604 | 5 |
| <i>Acanthocalycium spiniflorum</i> f. <i>peitscherianum</i> (Backeb.) Donald wfo--0001430012..... | 4 | <i>Acanthocereus marnierianus</i> (Backeb.) Lodé wfo--0001430025 | 406 |
| <i>Acanthocalycium spiniflorum</i> f. <i>violaceum</i> (Werderm.) Donald wfo--0001430013..... | 4 | <i>Acanthocereus oaxacensis</i> (Britton & Rose) Lodé wfo--0001430026 | 5 |
| <i>Acanthocalycium thionanthum</i> (Speg.) Backeb. wfo--0000513071..... | 4 | <i>Acanthocereus occidentalis</i> Britton & Rose wfo--0000513095 | 6 |
| <i>Acanthocalycium thionanthum</i> subsp. <i>ferrarii</i> (Rausch) Schlumpb. wfo--0001434676 | 4 | <i>Acanthocereus paradoxus</i> P.González-Zamora & Dan. Sánchez wfo--0001430027 | 5 |
| <i>Acanthocalycium thionanthum</i> subsp. <i>glaucum</i> (F.Ritter) Lodé wfo--0001430014 | 3 | <i>Acanthocereus pentagonus</i> (L.) Britton & Rose wfo--0000513096 | 5 |
| <i>Acanthocalycium thionanthum</i> subsp. <i>thionanthum</i> wfo--0001434697..... | 4 | | |
| <i>Acanthocalycium thionanthum</i> var. <i>munitum</i> (Rausch) J.G.Lamb. wfo--0001430015 | 4 | | |

| | | | |
|---|----------|---|----------|
| <i>Acanthocereus pitajaya</i> (Jacq.) Dugand ex Croizat wfo-- 0000513097..... | 6 | <i>Acharagma aguirreanum</i> (Glass & R.A.Foster) Glass wfo-- 0000515924..... | 6 |
| <i>Acanthocereus princeps</i> (Pfeiff.) Backeb. wfo-- 0000513098..... | 6 | <i>Acharagma huasteca</i> Elhart wfo--0000748583..... | 7 |
| <i>Acanthocereus rosei</i> (J.G.Ortega) Lodé wfo--0001430028 | 5 | <i>Acharagma roseanum</i> (Boed.) E.F.Anderson wfo-- 0000515925..... | 6 |
| <i>Acanthocereus sicariguensis</i> Croizat & Tamayo wfo-- 0000513099..... | 360 | <i>Acharagma roseanum</i> subsp. <i>galeanensis</i> (Haugg) D.R.Hunt wfo--0000515926..... | 7 |
| <i>Acanthocereus subinermis</i> Britton & Rose wfo-- 0000513100..... | 6 | <i>Acharagma roseanum</i> subsp. <i>roseanum</i> wfo-- 0001286278..... | 7 |
| <i>Acanthocereus tepalcatepecanus</i> (Sánchez-Mej.) Lodé wfo-- --0001430029..... | 5 | <i>Airampoa albisaetacens</i> (Backeb.) Doweld wfo-- 0000524750..... | 7 |
| <i>Acanthocereus tetragonus</i> (L.) Hummelinck wfo-- 0000513101..... | 5 | <i>Airampoa armata</i> (Backeb.) Doweld wfo--0000524751... .. | 7 |
| <i>Acanthocereus tetragonus</i> var. <i>micracanthus</i> Dugand wfo-- -0000513102..... | 6 | <i>Airampoa aurata</i> Frič wfo--0000524752..... | 7, 8 |
| <i>Acanthocereus thalassinus</i> (Otto & A.Dietr.) Borg wfo-- 0000513103..... | 40 | <i>Airampoa ayrampo</i> (Azara) Doweld wfo--0000524753.... | 7 |
| <i>Acanthocereus undulosus</i> (DC.) Croizat wfo--0000513104 | 177 | <i>Airampoa boliviensis</i> (Backeb.) Doweld wfo--0000524754 | 7 |
| <i>Acantholobivia</i> Backeb. wfo--4000000126..... | 102 | <i>Airampoa cedergreniana</i> (Backeb.) Doweld wfo-- 0000524755..... | 7 |
| <i>Acantholobivia euanthema</i> (Backeb.) Y.Itô wfo-- 0000513589..... | 22 | <i>Airampoa chilensis</i> (F.Ritter) Doweld wfo--0000524757.. | 7 |
| <i>Acantholobivia haagei</i> (Frič & Schelle) Y.Itô wfo-- 0000513590..... | 24 | <i>Airampoa corrugata</i> (Salm-Dyck) Doweld wfo-- 0000524758..... | 7 |
| <i>Acantholobivia incuiensis</i> (Rauh & Backeb.) Rauh & Backeb. wfo--0000513591..... | 190 | <i>Airampoa erectoclada</i> (Backeb.) Doweld wfo-- 0000524759..... | 8 |
| <i>Acantholobivia tegeleriana</i> (Backeb.) Backeb. wfo-- 0000513592..... | 102, 190 | <i>Airampoa</i> Frič wfo--4000001039..... | 7 |
| <i>Acanthopetalus cactacearum</i> Y.Itô wfo--0001215982.. | 407 | <i>Airampoa ianthinantha</i> (F.Ritter) Doweld wfo-- 0000524760..... | 8 |
| <i>Acanthopetalus mirabilis</i> (Speg.) Y.Itô wfo--0000513615 | 345 | <i>Airampoa microdisca</i> (F.A.C.Weber) Doweld wfo-- 0000524761..... | 8 |
| <i>Acanthopetalus</i> Y.Itô wfo--4000000134..... | 345 | <i>Airampoa minuscula</i> (Backeb.) Doweld wfo--00005247628 | 8 |
| <i>Acanthorhipsalis</i> (K.Schum.) Britton & Rose wfo-- 4000000146..... | 306 | <i>Airampoa orurensis</i> (Cárdenas) Doweld wfo--0000524763 | 8 |
| <i>Acanthorhipsalis asperula</i> (Vaupel) Borg wfo-- 0000513750..... | 307 | <i>Airampoa panellana</i> (Backeb.) Doweld wfo--00005247648 | 8 |
| <i>Acanthorhipsalis brevispina</i> F.Ritter ex Doweld wfo-- 0000513751..... | 194 | <i>Airampoa picardoii</i> (Marn.-Lap.) Doweld wfo--0000524765 | 8 |
| <i>Acanthorhipsalis brevispina</i> F.Ritter wfo--0000513752 | 194 | <i>Airampoa silvestris</i> (Backeb.) Doweld wfo--0000524766.. | 8 |
| <i>Acanthorhipsalis crenata</i> (Britton) Britton & Rose wfo-- 0000513753..... | 194 | <i>Airampoa soehrensii</i> (Britton & Rose) Lodé wfo-- 0001430032..... | 7 |
| <i>Acanthorhipsalis houletiana</i> (Lem.) Volgin wfo-- 0000513754..... | 176 | <i>Airampoa tilcarensis</i> (Backeb.) Doweld wfo--00005247689 | 29 |
| <i>Acanthorhipsalis incachacana</i> (Cárdenas) Volgin wfo-- 0000513755..... | 194 | <i>Akersia</i> Buining wfo--4000001069..... | 29, 31 |
| <i>Acanthorhipsalis incahuasina</i> Cárdenas wfo--0000513757 | 307 | <i>Amaranthus quitensis</i> f. <i>rufescens</i> Thell. wfo--0000530442 | 407 |
| <i>Acanthorhipsalis</i> Kimnach wfo--4000042580..... | 193 | <i>Amaranthus quitensis</i> var. <i>stuckertianus</i> Thell. wfo-- 0000530443..... | 407 |
| <i>Acanthorhipsalis micrantha</i> (Vaupel) Britton & Rose wfo-- 0000513758..... | 194 | <i>Ancistrocactus brevihamatus</i> (Engelm.) Britton & Rose wfo--0000533843..... | 336 |
| <i>Acanthorhipsalis monacantha</i> (Griseb.) Britton & Rose wfo--0000513759..... | 307 | <i>Ancistrocactus brevihamatus</i> var. <i>pallidus</i> A.D.Zimmerman ex A.M.Powell wfo--0001430033..... | 336 |
| <i>Acanthorhipsalis monacantha</i> subsp. <i>kimnachii</i> Doweld wfo--0001430030..... | 307 | <i>Ancistrocactus</i> Britton & Rose wfo--4000001913..... | 336 |
| <i>Acanthorhipsalis monacantha</i> var. <i>samaipatana</i> (Cárdenas) Backeb. wfo--0001430031..... | 307 | <i>Ancistrocactus crassihamatus</i> (F.A.C.Weber) L.D.Benson wfo--0000533845..... | 141 |
| <i>Acanthorhipsalis paranganiensis</i> Cárdenas wfo-- 0000513760..... | 307 | <i>Ancistrocactus mathssonii</i> (Berge ex K.Schum.) Doweld wfo--0000533846..... | 141 |
| <i>Acanthorhipsalis samaipatana</i> (Cárdenas) F.Ritter wfo-- 0001284546..... | 307 | <i>Ancistrocactus megarhizus</i> (Rose) Britton & Rose wfo-- 0000533847..... | 336, 339 |
| <i>Acharagma</i> (N.P.Taylor) Glass wfo--4000000206..... | 6 | <i>Ancistrocactus pinkavanus</i> García-Mor., Gonz.-Bot. & Rodr.González wfo--0001430034..... | 407 |
| | | <i>Ancistrocactus scheeri</i> (Salm-Dyck) Britton & Rose wfo-- 0000533848..... | 339 |
| | | <i>Ancistrocactus scheeri</i> f. <i>brevihamatus</i> (Engelm.) Krainz wfo--0000738852..... | 336 |

| | | | |
|---|----------|---|----------|
| <i>Ancistrocactus scheeri</i> f. <i>megarrhizus</i> (Rose) Krainz wfo-- 0001430035..... | 339 | <i>Anisocereus foetidus</i> (T.MacDoug. & Miranda) W.T.Marshall wfo--0000537214 | 278 |
| <i>Ancistrocactus scheeri</i> subsp. <i>tobuschii</i> (W.T.Marshall) Doweld wfo--0001430036..... | 336 | <i>Anisocereus gaumeri</i> (Britton & Rose) Backeb. wfo-- 0000537215 | 278 |
| <i>Ancistrocactus tobuschii</i> (W.T.Marshall) Backeb. wfo-- 0000533849..... | 336 | <i>Anisocereus lepidanthus</i> (Eichlam) Backeb. wfo-- 0000537216 | 174 |
| <i>Ancistrocactus uncinatus</i> (Galeotti ex Pfeiff.) L.D.Benson wfo--0000533850..... | 143 | <i>Aporocactus ×knebelii</i> Knebel wfo--0001430042 | 388 |
| <i>Ancistrocactus uncinatus</i> subsp. <i>crassihamatus</i> (F.A.C.Weber) Doweld wfo--0000533851 | 141 | <i>Aporocactus ×mallisonii</i> (Otto & A.Dietr.) Borg wfo-- 0000540922 | 391 |
| <i>Ancistrocactus uncinatus</i> subsp. <i>wrightii</i> (Engelm.) Doweld wfo--0001430037 | 143 | <i>Aporocactus ×moennighoffii</i> (D.F.Fisch.) Borg wfo-- 0000540925 | 9 |
| <i>Ancistrocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) L.D.Benson wfo--0001430038 | 143 | <i>Aporocactus baumannii</i> (Lem.) Lem. wfo--0000540912 .. | 45 |
| <i>Andenea gregeri</i> Kreuz. wfo--0000533916..... | 181, 407 | <i>Aporocactus colubrinus</i> (Otto ex C.F.Först.) Lem. wfo-- 0000540913 | 45 |
| <i>Andenea</i> Kreuz. wfo--4000001947 | 181 | <i>Aporocactus konzattii</i> Britton & Rose wfo--0000540914.. | 9 |
| <i>Andenea staffenii</i> (Frič) Frič wfo--0000533917 | 104 | <i>Aporocactus flagelliformis</i> (L.) Lem. wfo--0000540915 | 9 |
| <i>Andinopuntia floccosa</i> (Salm-Dyck) Guiggi wfo-- 0000748424..... | 17 | <i>Aporocactus flagelliformis</i> var. <i>leptophis</i> (DC.) P.V.Heath wfo--0000540916 | 9 |
| <i>Andinopuntia floccosa</i> subsp. <i>yanganucensis</i> (Rauh & Backeb.) Guiggi wfo--0001430039 | 18 | <i>Aporocactus flagelliformis</i> var. <i>pfeifferi</i> P.V.Heath wfo-- 0000540917 | 9 |
| <i>Andinopuntia</i> Guiggi wfo--4000001957 | 17 | <i>Aporocactus flagriformis</i> (Zucc. ex Pfeiff.) Britton & Rose wfo--0000540920 | 9 |
| <i>Andinopuntia lagopus</i> (K.Schum.) Guiggi wfo-- 0000748425..... | 318 | <i>Aporocactus flagriformis</i> (Zucc. ex Pfeiff.) Lem. wfo-- 0000540919 | 9 |
| <i>Andinopuntia lagopus</i> subsp. <i>septentrionalis</i> Guiggi wfo-- 0001430040..... | 318 | <i>Aporocactus knebelii</i> Knebel wfo--0001289976 | 388 |
| <i>Anhaloniopsis</i> (Buxb.) Mottram wfo--4001303125 | 238 | <i>Aporocactus</i> Lem. wfo--4000002747 | 9 |
| <i>Anhaloniopsis madisoniorum</i> (Hutchison) Mottram wfo-- 0001430041..... | 240 | <i>Aporocactus leptophis</i> (DC.) Britton & Rose wfo-- 0000540921 | 9 |
| <i>Anhalonium areolosum</i> Lem. wfo--0000536786 | 11 | <i>Aporocactus martianus</i> (Zucc.) Britton & Rose wfo-- 0000540923 | 9 |
| <i>Anhalonium aselliforme</i> (C.Ehrenb.) F.A.C.Weber wfo-- 0001288045..... | 302 | <i>Aporocactus martianus</i> var. <i>konzattii</i> (Britton & Rose) P.V.Heath wfo--0000540924..... | 9 |
| <i>Anhalonium elongatum</i> Salm-Dyck wfo--0000536788..... | 11 | <i>Aporocactus moennighoffii</i> (D.F.Fisch.) Borg wfo-- 0001288605 | 9 |
| <i>Anhalonium engelmannii</i> Lem. wfo--0000536789 | 10 | <i>Aporophyllum</i> D.R.Hunt wfo--4000002750..... | 388 |
| <i>Anhalonium fissipedum</i> Monv. ex C.F.Först. wfo-- 0000536790..... | 10 | <i>Arequipa ×mirabilis</i> (Buining) Backeb. wfo--0000546907 | 390 |
| <i>Anhalonium fissuratum</i> (Engelm.) Engelm. wfo-- 0000536791..... | 10 | <i>Arequipa aurantiaca</i> (Vaupel) Werderm. wfo-- 0000546899 | 238 |
| <i>Anhalonium furfuraceum</i> (S.Watson) J.M.Coult. wfo-- 0000536792..... | 11 | <i>Arequipa australis</i> F.Ritter wfo--0000546900..... | 275 |
| <i>Anhalonium heteromorphum</i> Trel. wfo--0001288046 .. | 407 | <i>Arequipa</i> Britton & Rose wfo--4000002963..... | 275 |
| <i>Anhalonium jourdanianum</i> Lewin wfo--0000536793 .. | 407 | <i>Arequipa clavata</i> (Söhrens ex K.Schum.) Borg wfo-- 0000546901 | 115 |
| <i>Anhalonium kotchubeyi</i> Lem. ex Salm-Dyck wfo-- 0000536794..... | 10 | <i>Arequipa erectocylindrica</i> Rauh & Backeb. wfo-- 0000546902 | 276 |
| <i>Anhalonium kotschaubeyanum</i> Lem. wfo--0000536795.. | 10 | <i>Arequipa haynei</i> (Otto ex Salm-Dyck) Krainz wfo-- 0000546904 | 239 |
| <i>Anhalonium</i> Lem. wfo--4000002119 | 9 | <i>Arequipa haynei</i> var. <i>erectipetala</i> (Rauh & Backeb.) Krainz wfo--0001430043 | 239 |
| <i>Anhalonium leuchtenbergii</i> A.Dietr. wfo--0000536796.. | 407 | <i>Arequipa hempeliana</i> (Gürke) Oehme wfo--0000546905 | 276 |
| <i>Anhalonium lewinii</i> Henn. wfo--0000536797 | 193 | <i>Arequipa leucotricha</i> (Phil.) Britton & Rose wfo-- 0000546906 | 275, 276 |
| <i>Anhalonium prismaticum</i> Lem. wfo--0000536799 | 9, 11 | <i>Arequipa myriacantha</i> (Vaupel) Britton & Rose wfo-- 0000546908 | 240 |
| <i>Anhalonium pulvilligerum</i> Lem. wfo--0000536800 | 11 | <i>Arequipa rettigii</i> (Quehl) Oehme wfo--0000546909..... | 276 |
| <i>Anhalonium retusum</i> (Scheidw.) Salm-Dyck wfo-- 0000536801..... | 11 | <i>Arequipa rettigii</i> var. <i>borealis</i> F.Ritter wfo--0001430044 | 276 |
| <i>Anhalonium rungei</i> Hildm. wfo--0001288047 | 407 | <i>Arequipa rettigii</i> var. <i>erectocylindrica</i> (Rauh & Backeb.) Krainz wfo--0000546910..... | 276 |
| <i>Anhalonium subnodosum</i> Hildm. wfo--0001288048..... | 407 | <i>Arequipa soehrensii</i> Backeb. wfo--0000546911 | 276 |
| <i>Anhalonium sulcatum</i> Salm-Dyck wfo--0000536802 | 10 | <i>Arequipa spinosissima</i> F.Ritter wfo--0000546913 | 276 |
| <i>Anhalonium trigonum</i> F.A.C.Weber wfo--0000536803... | 11 | | |
| <i>Anhalonium turbiniforme</i> F.A.C.Weber wfo--0001288049 | 407 | | |
| <i>Anhalonium visnagra</i> K.Schum. wfo--0001288050 | 408 | | |
| <i>Anhalonium williamsii</i> (Lem. ex Salm-Dyck) C.F.Först. wfo-- 0000536804 | 193 | | |
| <i>Anisocereus</i> Backeb. wfo--4000002169 | 174 | | |

| | |
|--|--|
| <i>Arequipa variicolor</i> (Backeb.) Backeb. wfo--0000546914 276 | <i>Ariocarpus furfuraceus</i> (S.Watson) H.S.Thomps. wfo-- 0000547460 11 |
| <i>Arequipa weingartiana</i> Backeb. wfo--0000546915 276 | <i>Ariocarpus furfuraceus</i> f. <i>crystata</i> Frič wfo--0000547461 11 |
| <i>Arequipa weingartiana</i> var. <i>carminanthema</i> Backeb. wfo-- 0001430045 276 | <i>Ariocarpus furfuraceus</i> var. <i>rostratus</i> A.Berger wfo-- 0000547462 11 |
| <i>Arequipiopsis hempeliana</i> (Gürke) Kreuz. & Buining wfo-- 0000546916 275, 276 | <i>Ariocarpus kotschoubeyanus</i> (Lem.) K.Schum. wfo-- 0000547463 10 |
| <i>Arequipiopsis</i> Kreuz. & Buining wfo--4000002964 275 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>agavoides</i> (Castañeda) Halda wfo--0000547464 9 |
| <i>Arequipiopsis rettigii</i> (Quehl) Kreuz. & Buining wfo-- 0000546917 276 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>albiflorus</i> (Backeb.) Glass wfo--0000547465 10 |
| <i>Arequipiopsis soehrensii</i> Kreuz. wfo--0000546918 276 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>bravoanus</i> (H.M.Hern. & E.F.Anderson) Halda wfo--0000547466 10 |
| <i>Arequipiopsis weingartiana</i> (Backeb.) Kreuz. & Buining wfo--0000546919 276 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>elephantidens</i> Halda wfo--0001430050 10 |
| <i>Ariocarpus xdrabi</i> Halda & Sladk. wfo--0000547449 10 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>neotulensis</i> Halda wfo-- 0001430051 10 |
| <i>Ariocarpus xduberiorum</i> Halda & Malina wfo-- 0000547450 10 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>skarupkeanus</i> Halda & Horáček wfo--0001430052 10 |
| <i>Ariocarpus xnelissae</i> Halda & Panar. wfo--0000547471 . 11 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>sladkovskyi</i> Halda & Horáček wfo--0001430053 10 |
| <i>Ariocarpus agavoides</i> (Castañeda) E.F.Anderson wfo-- 0000547441 9 | <i>Ariocarpus kotschoubeyanus</i> subsp. <i>tulensis</i> Halda wfo-- 0000547468 10 |
| <i>Ariocarpus agavoides</i> subsp. <i>pulcher</i> Halda & Horáček wfo-- 0001430046 10 | <i>Ariocarpus kotschoubeyanus</i> var. <i>albiflorus</i> Backeb. ex Glass wfo--0001434699 10 |
| <i>Ariocarpus agavoides</i> subsp. <i>sanluisensis</i> Sotom., Arred., Sánchez Barra & Mart.Mend. wfo--0001430047 10 | <i>Ariocarpus kotschoubeyanus</i> var. <i>elephantidens</i> Skarupke wfo--0001430054 10 |
| <i>Ariocarpus aselliformis</i> (C.Ehrenb.) F.A.C.Weber wfo-- 0000547442 302 | <i>Ariocarpus lloydii</i> Rose wfo--0000547469 10 |
| <i>Ariocarpus bravoanus</i> H.M.Hern. & E.F.Anderson wfo-- 0000547443 10 | <i>Ariocarpus lloydii</i> var. <i>mayor</i> Frič wfo--0000547470 10 |
| <i>Ariocarpus bravoanus</i> subsp. <i>bravoanus</i> wfo-- 0001434698 10 | <i>Ariocarpus macdowellii</i> W.T.Marshall wfo--0001288610 10 |
| <i>Ariocarpus bravoanus</i> subsp. <i>hintonii</i> (Stuppy & N.P.Taylor) E.F.Anderson & W.A.Fitz Maur. wfo--0000547444 10 | <i>Ariocarpus mcdowellii</i> J.N.Haage & Schmidt wfo-- 0001288054 408 |
| <i>Ariocarpus confusus</i> Halda & Horáček wfo--0000547445 11 | <i>Ariocarpus prismaticus</i> (Lem.) Cobbold wfo--0000547472 11 |
| <i>Ariocarpus denegrii</i> (Frič) W.T.Marshall wfo--0000547446 256 | <i>Ariocarpus prismaticus</i> var. <i>maior</i> Frič wfo--0000738853 11 |
| <i>Ariocarpus disciformis</i> (DC.) W.T.Marshall wfo-- 0000547447 360 | <i>Ariocarpus prismaticus</i> var. <i>minor</i> Frič wfo--0000738854 11 |
| <i>Ariocarpus disciformis</i> subsp. <i>jarmilae</i> (Halda) Halda wfo-- 0001430048 360 | <i>Ariocarpus pulcherrimus</i> (Halda) Halda wfo--0000547473 360 |
| <i>Ariocarpus elongatus</i> (Salm-Dyck) M.Lee wfo-- 0000547451 11 | <i>Ariocarpus pulvilliger</i> K.Schum. wfo--0001288055 422 |
| <i>Ariocarpus elongatus</i> (Salm-Dyck) Wettstein wfo-- 0001288609 11 | <i>Ariocarpus pulvilligeris</i> (Lem.) K.Schum. wfo--0000547476 11, 422 |
| <i>Ariocarpus elongatus</i> subsp. <i>horacekii</i> (Halda) Halda wfo-- 0000547452 11 | <i>Ariocarpus retusus</i> Scheidw. wfo--0000547477 9, 11 |
| <i>Ariocarpus fissuratus</i> (Engelm.) K.Schum. wfo-- 0000547453 10 | <i>Ariocarpus retusus</i> subsp. <i>confusus</i> (Halda & Horáček) Lüthy wfo--0000547478 11 |
| <i>Ariocarpus fissuratus</i> subsp. <i>bravoanus</i> (H.M.Hern. & E.F.Anderson) Lüthy wfo--0000547454 10 | <i>Ariocarpus retusus</i> subsp. <i>horacekii</i> Halda & Panar. wfo-- 0001430055 11 |
| <i>Ariocarpus fissuratus</i> subsp. <i>fissuratus</i> wfo--0001286427 10 | <i>Ariocarpus retusus</i> subsp. <i>jarmilae</i> Halda, Horáček & Panar. wfo--0001430056 11 |
| <i>Ariocarpus fissuratus</i> subsp. <i>hintonii</i> (Stuppy & N.P.Taylor) Halda wfo--0000547456 10 | <i>Ariocarpus retusus</i> subsp. <i>panarottoi</i> Halda & Horáček wfo--0001430057 11 |
| <i>Ariocarpus fissuratus</i> subsp. <i>lloydii</i> (Rose) U.Guzmán wfo-- 0000547459 10 | <i>Ariocarpus retusus</i> subsp. <i>pectinatus</i> Weisbarth wfo-- 0001430058 11 |
| <i>Ariocarpus fissuratus</i> subsp. <i>pailanus</i> Halda wfo-- 0001430049 10 | <i>Ariocarpus retusus</i> subsp. <i>retusus</i> wfo--0001254933 11 |
| <i>Ariocarpus fissuratus</i> var. <i>fissuratus</i> wfo--0001223882 . 10 | <i>Ariocarpus retusus</i> subsp. <i>scapharostroides</i> Halda & Horáček wfo--0000547479 11 |
| <i>Ariocarpus fissuratus</i> var. <i>hintonii</i> Stuppy & N.P.Taylor wfo--0000547455 10 | <i>Ariocarpus retusus</i> subsp. <i>sladkovskyi</i> Halda & Kupčák wfo-- 0001430059 11 |
| <i>Ariocarpus fissuratus</i> var. <i>lloydii</i> (Rose) W.T.Marshall wfo-- 0000547457 10 | <i>Ariocarpus retusus</i> subsp. <i>trigonus</i> (F.A.C.Weber) E.F.Anderson & W.A.Fitz Maur. wfo--0000547481 11 |

| | | | |
|--|--------|---|----|
| <i>Ariocarpus retusus</i> var. <i>furfuraceus</i> (S.Watson) G.Frank wfo--0001430060..... | 11 | <i>Armatocereus mataranus</i> var. <i>ancashensis</i> F.Ritter wfo-- 0000548623..... | 12 |
| <i>Ariocarpus rotchubeyanus</i> Cobbold wfo--0000547482..... | 10 | <i>Armatocereus matucanensis</i> Backeb. ex A.W.Hill wfo-- 0001289179..... | 12 |
| <i>Ariocarpus scaphirostris</i> Boed. wfo--0001430061..... | 11 | <i>Armatocereus matucanensis</i> Backeb. wfo--0000548626..... | 12 |
| <i>Ariocarpus scaphirostris</i> Boed. wfo--0000547483..... | 11 | <i>Armatocereus mocupensis</i> H.Johnson wfo--0001289226..... | 12 |
| <i>Ariocarpus scaphirostris</i> var. <i>swobodae</i> Halda, Horáček & Panar. wfo--0000547484..... | 11 | <i>Armatocereus neolaetus</i> Y.Itô wfo--0000548627..... | 12 |
| <i>Ariocarpus</i> Scheidw. wfo--4000003041..... | 9 | <i>Armatocereus oligogonus</i> Rauh & Backeb. wfo-- 0000548628..... | 12 |
| <i>Ariocarpus strobiliformis</i> Werderm. wfo--0000547485..... | 302 | <i>Armatocereus procerus</i> Rauh & Backeb. wfo--0000548629 | 12 |
| <i>Ariocarpus sulcatus</i> (Salm-Dyck) K.Schum. wfo-- 0000547486..... | 10 | <i>Armatocereus procerus</i> Rauh & Backeb. wfo--0001430062 | 12 |
| <i>Ariocarpus trigonus</i> (F.A.C.Weber) K.Schum. wfo-- 0000547487..... | 11 | <i>Armatocereus procerus</i> var. <i>armatus</i> F.Ritter wfo-- 0000548630..... | 12 |
| <i>Ariocarpus trigonus</i> var. <i>elongatus</i> (Salm-Dyck) Backeb. wfo--0000547488..... | 11 | <i>Armatocereus rauhii</i> Backeb. wfo--0000548631..... | 12 |
| <i>Ariocarpus trigonus</i> var. <i>horacekii</i> Halda wfo--0000547489 | 11 | <i>Armatocereus rauhii</i> subsp. <i>balsasensis</i> (F.Ritter) Ostolaza wfo--0000548632..... | 12 |
| <i>Ariocarpus trigonus</i> var. <i>minor</i> Voldan wfo--0000547490 | 11 | <i>Armatocereus rauhii</i> subsp. <i>rauhii</i> wfo--0001434701..... | 12 |
| <i>Ariocarpus williamsii</i> (Lem. ex Salm-Dyck) Voss wfo-- 0001288056..... | 193 | <i>Armatocereus rauhii</i> var. <i>balsasensis</i> F.Ritter wfo-- 0001289225..... | 12 |
| <i>Armatocereus arboreus</i> Rauh & Backeb. wfo--0000548607 | 12 | <i>Armatocereus riomajensis</i> Rauh & Backeb. wfo-- 0000548633..... | 12 |
| <i>Armatocereus arduus</i> F.Ritter wfo--0000548608..... | 12 | <i>Armatocereus rupicola</i> F.Ritter wfo--0000548634..... | 12 |
| <i>Armatocereus armatus</i> Johnson wfo--0001244957..... | 408 | <i>Arrojadoa xalbiflora</i> Buining & Brederoo wfo-- 0000549672..... | 12 |
| <i>Armatocereus</i> Backeb. wfo--4000003074..... | 11 | <i>Arrojadoa albicoronata</i> (Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker) P.J.Braun & Esteves wfo-- 0000508420..... | 13 |
| <i>Armatocereus balsasensis</i> F.Ritter wfo--0000548609..... | 12 | <i>Arrojadoa aureispina</i> Buining & Brederoo wfo-- 0000549673..... | 13 |
| <i>Armatocereus brevispinus</i> Madsen wfo--0000548610..... | 12 | <i>Arrojadoa aureispina</i> var. <i>anguinea</i> P.J.Braun & Esteves wfo--0000549674..... | 13 |
| <i>Armatocereus cartwrightianus</i> (Britton & Rose) Backeb. ex A.W.Hill wfo--0001287548..... | 11 | <i>Arrojadoa aureispina</i> var. <i>guanambensis</i> P.J.Braun & Heimen wfo--0000549675..... | 13 |
| <i>Armatocereus cartwrightianus</i> Backeb. wfo--0000548611 | 11 | <i>Arrojadoa bahiensis</i> (P.J.Braun & Esteves) N.P.Taylor & Egglie wfo--0000549677..... | 12 |
| <i>Armatocereus cartwrightianus</i> var. <i>longispinus</i> Backeb. wfo--0000548612..... | 12 | <i>Arrojadoa beateae</i> P.J.Braun & Esteves wfo--0000549678 | 12 |
| <i>Armatocereus churinensis</i> Rauh & Backeb. wfo-- 0000548613..... | 12 | <i>Arrojadoa</i> Britton & Rose wfo--4000003126..... | 12 |
| <i>Armatocereus confusus</i> F.Ritter wfo--0001289180..... | 12 | <i>Arrojadoa canudosensis</i> Buining & Brederoo wfo-- 0000549679..... | 13 |
| <i>Armatocereus ghiesbreghtii</i> (K.Schum.) F.Ritter wfo-- 0000548615..... | 396 | <i>Arrojadoa dinae</i> Buining & Brederoo wfo--0000549680..... | 12 |
| <i>Armatocereus ghiesbreghtii</i> var. <i>oligogonus</i> (Rauh & Backeb.) F.Ritter wfo--0000548616..... | 12 | <i>Arrojadoa dinae</i> subsp. <i>dinae</i> wfo--0001434702..... | 12 |
| <i>Armatocereus godingianus</i> (Britton & Rose) Backeb. ex E.Salisb. wfo--0001287546..... | 12 | <i>Arrojadoa dinae</i> subsp. <i>eriocaulis</i> (Buining & Brederoo) N.P.Taylor & Zappi wfo--0000549681..... | 12 |
| <i>Armatocereus godingianus</i> (Britton & Rose) Backeb. wfo-- 0000548617..... | 12 | <i>Arrojadoa dinae</i> subsp. <i>nana</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0000549683..... | 12 |
| <i>Armatocereus godingianus</i> subsp. <i>brevispinus</i> (Madsen) D.R.Hunt wfo--0000548618..... | 12 | <i>Arrojadoa dinae</i> var. <i>nana</i> P.J.Braun & Esteves wfo-- 0000549682..... | 12 |
| <i>Armatocereus godingianus</i> subsp. <i>godingianus</i> wfo-- 0001434700..... | 12 | <i>Arrojadoa eriocaulis</i> Buining & Brederoo wfo-- 0000549684..... | 12 |
| <i>Armatocereus humilis</i> (Britton & Rose) Backeb. wfo-- 0000548619..... | 357 | <i>Arrojadoa eriocaulis</i> subsp. <i>albicoronata</i> (Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker) P.J.Braun & Esteves wfo--0000549686..... | 13 |
| <i>Armatocereus jungo</i> Backeb. wfo--0000548620..... | 12 | <i>Arrojadoa eriocaulis</i> var. <i>albicoronata</i> Van Heek, R.J.Paul, Heimen, Hovens & W.Strecker wfo--0000549685..... | 13 |
| <i>Armatocereus laetus</i> (Kunth) Backeb. ex A.W.Hill wfo-- 0001287550..... | 12 | <i>Arrojadoa eriocaulis</i> var. <i>rosenbergeriana</i> Van Heek & W.Strecker wfo--0000549689..... | 13 |
| <i>Armatocereus laetus</i> (Kunth) Backeb. wfo--0000548621 | 11, 12 | <i>Arrojadoa heimenii</i> Van Heek & W.Strecker wfo-- 0000549690..... | 12 |
| <i>Armatocereus maranionensis</i> Krainz & F.Ritter wfo-- 0001289227..... | 12 | | |
| <i>Armatocereus mataranus</i> F.Ritter wfo--0000548622..... | 12 | | |
| <i>Armatocereus mataranus</i> subsp. <i>ancashensis</i> (F.Ritter) Ostolaza wfo--0000548624..... | 12 | | |

| | | | |
|---|--------|---|-----|
| <i>Arrojadoa hofackeriana</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0000508421 | 252 | <i>Arthrocerus melanurus</i> subsp. <i>odorus</i> (F.Ritter) N.P.Taylor & Zappi wfo--0000550257 | 14 |
| <i>Arrojadoa horstiana</i> P.J.Braun & Heimen wfo--0000549691 | 13 | <i>Arthrocerus melanurus</i> var. <i>estevesii</i> Diers & P.J.Braun wfo--0001251984 | 13 |
| <i>Arrojadoa marylandiae</i> Soares Filho & M.Machado wfo--0000549692 | 13 | <i>Arthrocerus mello-barreto</i> Backeb. & Voll wfo--0000550258 | 13 |
| <i>Arrojadoa multiflora</i> F.Ritter wfo--0000549693 | 13 | <i>Arthrocerus microsphaericus</i> (K.Schum.) A.Berger wfo--0000550259 | 334 |
| <i>Arrojadoa multiflora</i> subsp. <i>hofackeriana</i> P.J.Braun & Esteves wfo--0000549694 | 252 | <i>Arthrocerus mirabilis</i> (Speg.) W.T.Marshall wfo--0000550260 | 345 |
| <i>Arrojadoa penicillata</i> (Gürke) Britton & Rose wfo--0000549695 | 13 | <i>Arthrocerus mirabilis</i> var. <i>gracilior</i> (Backeb.) Donald wfo--0000550261 | 345 |
| <i>Arrojadoa penicillata</i> var. <i>decumbens</i> Backeb. & Voll wfo--0000549696 | 13 | <i>Arthrocerus odorus</i> F.Ritter wfo--0000550262 | 14 |
| <i>Arrojadoa penicillata</i> var. <i>spinosior</i> Buining & Brederoo wfo--0000549697 | 13 | <i>Arthrocerus rondonianus</i> Backeb. & Voll wfo--0000550263 | 14 |
| <i>Arrojadoa polyantha</i> (Werderm.) D.R.Hunt wfo--0000549698 | 252 | <i>Arthrocerus rowleyanus</i> (Backeb.) Buxb. wfo--0000550264 | 318 |
| <i>Arrojadoa rhodantha</i> (Gürke) Britton & Rose wfo--0000549700 | 12, 13 | <i>Arthrocerus spinosissimus</i> (Buining & Brederoo) F.Ritter wfo--0000550265 | 14 |
| <i>Arrojadoa rhodantha</i> subsp. <i>aureispina</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000549702 | 13 | <i>Astrophytum alacriportanum</i> (Backeb. & Voll) Halda & Malina wfo--0000555023 | 145 |
| <i>Arrojadoa rhodantha</i> subsp. <i>canudosensis</i> (Buining & Brederoo) P.J.Braun wfo--0000549703 | 13 | <i>Astrophytum albiareolatum</i> (Buining & Brederoo) Halda & Malina wfo--0000555025 | 145 |
| <i>Arrojadoa rhodantha</i> subsp. <i>reflexa</i> P.J.Braun wfo--0000549706 | 13 | <i>Astrophytum albicolumnare</i> (F.Ritter) Halda & Malina wfo--0000555026 | 146 |
| <i>Arrojadoa rhodantha</i> var. <i>anguinea</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0000549701 | 13 | <i>Astrophytum albifusum</i> (F.Ritter) Halda & Malina wfo--0000555027 | 145 |
| <i>Arrojadoa rhodantha</i> var. <i>guanambensis</i> (P.J.Braun & Heimen) P.J.Braun & Esteves wfo--0000549704 | 13 | <i>Astrophytum asperispinum</i> (F.Ritter) Halda & Malina wfo--0000555028 | 146 |
| <i>Arrojadoa rhodantha</i> var. <i>occibahiensis</i> P.J.Braun wfo--0000549705 | 13 | <i>Astrophytum asterias</i> (Zucc.) Lem. wfo--0000555029 | 14 |
| <i>Arrojadoa rhodantha</i> var. <i>theunisseniana</i> (Buining & Brederoo) P.J.Braun wfo--0000549707 | 13 | <i>Astrophytum asterias</i> var. <i>magnipunctatum</i> Frič wfo--0000555030 | 14 |
| <i>Arrojadoa rosenbergeriana</i> (Van Heek & W.Strecker) P.J.Braun, Esteves & Van Heek wfo--0000508422 | 13 | <i>Astrophytum asterias</i> var. <i>multipunctatum</i> Frič wfo--0000555031 | 14 |
| <i>Arrojadoa theunisseniana</i> Buining & Brederoo wfo--0000549708 | 13 | <i>Astrophytum asterias</i> var. <i>nudicarpa</i> Frič wfo--0000555032 | 14 |
| <i>Arrojadoopsis</i> Guiggi wfo--4000003129 | 12 | <i>Astrophytum asterias</i> var. <i>nudum</i> Y.Itô wfo--0000555033 | 14 |
| <i>Arrojadoopsis marylandiae</i> (Soares Filho & M.Machado) Guiggi wfo--0000743323 | 12, 13 | <i>Astrophytum asterias</i> var. <i>pubescente</i> Y.Itô wfo--0000555034 | 14 |
| <i>Arthrocerus</i> A.Berger wfo--4000003156 | 13 | <i>Astrophytum asterias</i> var. <i>roseiflorum</i> Frič wfo--0000555036 | 14 |
| <i>Arthrocerus bylesianus</i> (Andreae & Backeb.) Buxb. wfo--0000550246 | 318 | <i>Astrophytum asterias</i> var. <i>seminudum</i> Frič wfo--0000555037 | 14 |
| <i>Arthrocerus campos-portoi</i> (Werderm.) Backeb. wfo--0000550247 | 13 | <i>Astrophytum asterioides</i> (Werderm.) Halda & Malina wfo--0000555038 | 144 |
| <i>Arthrocerus damazioi</i> (K.Schum.) P.V.Heath wfo--0000550248 | 13 | <i>Astrophytum aureinitens</i> (Buining & Brederoo) Halda & Malina wfo--0000555039 | 146 |
| <i>Arthrocerus densiaculeatus</i> (Backeb.) Krainz wfo--0000550249 | 167 | <i>Astrophytum aureispinum</i> (F.Ritter) Halda & Malina wfo--0000555040 | 146 |
| <i>Arthrocerus glaziovii</i> (K.Schum.) N.P.Taylor & Zappi wfo--0000550250 | 13 | <i>Astrophytum aureum</i> (Backeb.) Halda & Malina wfo--0000555041 | 146 |
| <i>Arthrocerus itabiricola</i> P.J.Braun wfo--0000550251 | 13 | <i>Astrophytum bruchii</i> (Speg.) Halda & Malina wfo--0000555042 | 151 |
| <i>Arthrocerus melanurus</i> (K.Schum.) Diers, P.J.Braun & Esteves wfo--0000550252 | 13 | <i>Astrophytum buenekeri</i> (W.R.Abraham) Halda & Malina wfo--0000555043 | 144 |
| <i>Arthrocerus melanurus</i> subsp. <i>estevesii</i> (Diers & P.J.Braun) P.J.Braun & Esteves wfo--0000550254 | 13 | <i>Astrophytum caespitosum</i> (Speg.) Halda & Malina wfo--0000555044 | 281 |
| <i>Arthrocerus melanurus</i> subsp. <i>magnus</i> N.P.Taylor & Zappi wfo--0001430063 | 14 | <i>Astrophytum capricorne</i> (A.Dietr.) Britton & Rose wfo--0000555045 | 14 |
| <i>Arthrocerus melanurus</i> subsp. <i>melanurus</i> wfo--0001254654 | 14 | <i>Astrophytum capricorne</i> f. <i>majus</i> (Pichon) A.F.Moeller wfo--0001430064 | 14 |
| <i>Arthrocerus melanurus</i> subsp. <i>mello-barreto</i> (Backeb. & Voll) P.J.Braun & Esteves wfo--0000550256 | 13 | | |

| | | | |
|--|-----|--|--------|
| <i>Astrophytum capricorne</i> f. <i>minus</i> (Runge & Quehl) A.F.Moeller wfo--0001430065 | 14 | <i>Astrophytum mirum</i> Halda & Panar. wfo--0000555077 . | 15 |
| <i>Astrophytum capricorne</i> subsp. <i>sanjuanense</i> Pavlicek wfo-- 0001430066 | 14 | <i>Astrophytum moserianum</i> (Buining & Brederoo) Halda & Malina wfo--0000555079 | 147 |
| <i>Astrophytum capricorne</i> subsp. <i>senile</i> (Frič) Doweld wfo-- 0000555051..... | 14 | <i>Astrophytum myriostigma</i> Lem. wfo--0000555080 | 14, 15 |
| <i>Astrophytum capricorne</i> var. <i>crassispinum</i> (H.Moeller) Okum. wfo--0000555047 | 14 | <i>Astrophytum myriostigma</i> subsp. <i>coahuilense</i> (H.Moeller) K.Kayser wfo--0000555082..... | 15 |
| <i>Astrophytum capricorne</i> var. <i>major</i> Frič wfo--0000555048 | 14 | <i>Astrophytum myriostigma</i> subsp. <i>potosinum</i> (H.Moeller) K.Kayser wfo--0000555089..... | 15 |
| <i>Astrophytum capricorne</i> var. <i>minus</i> Frič wfo--0000555049 | 14 | <i>Astrophytum myriostigma</i> subsp. <i>quadricostatum</i> (H.Moeller) K.Kayser wfo--0000555091..... | 15 |
| <i>Astrophytum capricorne</i> var. <i>orientale</i> Frič wfo-- 0000555050..... | 14 | <i>Astrophytum myriostigma</i> subsp. <i>tamaulipense</i> K.Kayser wfo--0000555094 | 15 |
| <i>Astrophytum caput-medusae</i> D.R.Hunt wfo--0000555052 | 15 | <i>Astrophytum myriostigma</i> subsp. <i>tulense</i> K.Kayser wfo-- 0000555096 | 15 |
| <i>Astrophytum carminifilamentosum</i> (Kilian) Halda & Malina wfo--0000555053..... | 145 | <i>Astrophytum myriostigma</i> subvar. <i>nudum</i> (Rud.Mey.) Backeb. wfo--0001430067 | 15 |
| <i>Astrophytum castaneum</i> (Backeb.) Halda & Malina wfo-- 0000555054..... | 144 | <i>Astrophytum myriostigma</i> subvar. <i>tulense</i> (K.Kayser) Backeb. wfo--0001430068 | 15 |
| <i>Astrophytum cataphractum</i> (Dams) Halda & Malina wfo-- 0000555055..... | 144 | <i>Astrophytum myriostigma</i> var. <i>cereiforme</i> Frič wfo-- 0000555081..... | 15 |
| <i>Astrophytum chiquitanum</i> (Cárdenas) Halda & Malina wfo-- 0000555057 | 144 | <i>Astrophytum myriostigma</i> var. <i>coahuilense</i> (H.Moeller) K.Kayser wfo--0000738855..... | 15 |
| <i>Astrophytum chrysacanthum</i> (Hrabě) Halda & Malina wfo-- 0000555058 | 145 | <i>Astrophytum myriostigma</i> var. <i>columnare</i> (K.Schum.) Frič wfo--0000555083 | 15 |
| <i>Astrophytum coahuilense</i> (H.Moeller) K.Kayser wfo-- 0000555059..... | 15 | <i>Astrophytum myriostigma</i> var. <i>grandiflorum</i> Frič wfo-- 0000555084 | 15 |
| <i>Astrophytum columnare</i> (K.Schum.) Sadovsky & Schütz wfo--0000555060..... | 15 | <i>Astrophytum myriostigma</i> var. <i>minimiflorum</i> Frič wfo-- 0000555085 | 15 |
| <i>Astrophytum crassispinum</i> (H.Moeller) W.Haage & Sadovsky wfo--0000555061 | 14 | <i>Astrophytum myriostigma</i> var. <i>nudicarpa</i> Frič wfo-- 0000555086..... | 15 |
| <i>Astrophytum crassispinum</i> (H.Moeller) W.Haage & Sadovsky wfo--0001288616 | 14 | <i>Astrophytum myriostigma</i> var. <i>nudum</i> (Rud.Mey.) Frič wfo-- 0000555087..... | 15 |
| <i>Astrophytum curvispinum</i> (Buining & Brederoo) Halda & Malina wfo--0000555062 | 144 | <i>Astrophytum myriostigma</i> var. <i>potosinum</i> (H.Moeller) K.Kayser wfo--0001288617..... | 15 |
| <i>Astrophytum dadakii</i> (Frič ex A.Berger) Halda & Malina wfo--0000555063..... | 146 | <i>Astrophytum myriostigma</i> var. <i>potosinum</i> (H.Moeller) Kreuz. wfo--0000555090 | 15 |
| <i>Astrophytum deminutum</i> (Buining & Brederoo) Halda & Malina wfo--0000555064..... | 145 | <i>Astrophytum myriostigma</i> var. <i>quadricostatum</i> (H.Moeller) Baum wfo--0000555092 | 15 |
| <i>Astrophytum depressum</i> Lawr. wfo--0000555065 | 15 | <i>Astrophytum myriostigma</i> var. <i>quadricostatum</i> (H.Moeller) Borg wfo--0001288618 | 15 |
| <i>Astrophytum fulvisetum</i> (Buining & Brederoo) Halda & Malina wfo--0000555066..... | 144 | <i>Astrophytum myriostigma</i> var. <i>strongylogonum</i> Backeb. wfo--0000555093 | 15 |
| <i>Astrophytum glabrescens</i> F.A.C.Weber wfo--0000555068 | 16 | <i>Astrophytum myriostigma</i> var. <i>tamaulipense</i> (K.Kayser) W.T.Marshall & T.M.Bock wfo--0000555095..... | 15 |
| <i>Astrophytum gracillimum</i> (Lem.) Halda & Malina wfo-- 0000555069..... | 144 | <i>Astrophytum myriostigma</i> var. <i>tulense</i> (K.Kayser) Borg wfo--0000555097 | 15 |
| <i>Astrophytum grahlianum</i> (F.Haage ex K.Schum.) Halda & Malina wfo--0000555070 | 146 | <i>Astrophytum myriostigma</i> var. <i>verum</i> W.T.Marshall wfo-- 0000555099 | 15 |
| <i>Astrophytum horstii</i> (F.Ritter) Halda & Malina wfo-- 0000555071..... | 145 | <i>Astrophytum niveum</i> (K.Kayser) W.Haage & Sadovsky wfo-- 0000555100..... | 14 |
| <i>Astrophytum knippelianum</i> (Quehl) Halda & Malina wfo-- 0000555072..... | 145 | <i>Astrophytum niveum</i> (K.Kayser) W.Haage & Sadovsky wfo-- 0001288620..... | 14 |
| <i>Astrophytum</i> Lem. wfo--4000003495 | 14 | <i>Astrophytum ornatum</i> (DC.) Britton & Rose wfo-- 0000555101 | 15 |
| <i>Astrophytum lepidum</i> (Buining & Brederoo) Halda & Malina wfo--0000555073..... | 145 | <i>Astrophytum ornatum</i> f. <i>glabrescens</i> (F.A.C.Weber) Krainz wfo--0000555103 | 16 |
| <i>Astrophytum mammiferum</i> (Buining & Brederoo) Halda & Malina wfo--0000555074..... | 145 | <i>Astrophytum ornatum</i> f. <i>mirbelii</i> (Lem.) Krainz wfo-- 0000555105 | 15 |
| <i>Astrophytum matoanum</i> (Buining & Brederoo) Halda & Malina wfo--0000555075 | 144 | <i>Astrophytum ornatum</i> subvar. <i>glabrescens</i> (F.A.C.Weber) Backeb. wfo--0001430071..... | 16 |
| <i>Astrophytum melitae</i> (Buining & Brederoo) Halda & Malina wfo--0000555076..... | 144 | <i>Astrophytum ornatum</i> var. <i>glabrescens</i> (F.A.C.Weber) Frič wfo--0000555102 | 16 |

| | | | |
|--|-----|---|----------|
| <i>Astrophytum ornatum</i> var. <i>mirbelii</i> (Lem.) Frič wfo-- 0000555104..... | 15 | <i>Austrocactus hibernus</i> subsp. <i>robustior</i> E.Sarnes & N.Sarnes wfo--0001430079 | 16 |
| <i>Astrophytum ornatum</i> var. <i>niveum</i> Schütz & Fleisch. wfo-- 0000555106..... | 16 | <i>Austrocactus intertextus</i> (Phil.) Speg. wfo--0000557311 | 396 |
| <i>Astrophytum ornatum</i> var. <i>virens</i> Schütz & Fleisch. wfo-- 0000555108..... | 16 | <i>Austrocactus longicarpus</i> E.Sarnes & N.Sarnes wfo-- 0001430080 | 16 |
| <i>Astrophytum perbellum</i> (Prestlé) Halda & Malina wfo-- 0000555109..... | 145 | <i>Austrocactus nobilis</i> E.Sarnes & N.Sarnes wfo-- 0001430081 | 16 |
| <i>Astrophytum perumbilicatum</i> (F.Ritter) Halda & Malina wfo--0000555110..... | 147 | <i>Austrocactus patagonicus</i> (F.A.C.Weber ex Speg.) Hosseus wfo--0000557312 | 16 |
| <i>Astrophytum phaeodiscum</i> (Speg.) Halda & Malina wfo-- 0000555111..... | 145 | <i>Austrocactus pauxillus</i> E.Sarnes & N.Sarnes wfo-- 0001430082 | 16 |
| <i>Astrophytum prismaticum</i> Lem. wfo--0000555112..... | 15 | <i>Austrocactus philippii</i> (Regel & Schmidt) Buxb. wfo-- 0000557313 | 16 |
| <i>Astrophytum pseudogracillimum</i> (F.Ritter) Halda & Malina wfo--0000555113 | 145 | <i>Austrocactus praecox</i> E.Sarnes & N.Sarnes wfo-- 0001430083 | 16 |
| <i>Astrophytum pseudopulcherrimum</i> (Y.Itô) Halda & Malina wfo--0000555114 | 146 | <i>Austrocactus spiniflorus</i> (Phil.) F.Ritter wfo--0000557315 | 16 |
| <i>Astrophytum pulcherrimum</i> (Arechav.) Halda & Malina wfo--0000555115..... | 146 | <i>Austrocactus subandinus</i> E.Sarnes & N.Sarnes wfo-- 0001430084 | 16 |
| <i>Astrophytum pullispinum</i> (Backeb.) Halda & Malina wfo-- 0000555116..... | 144 | <i>Austrocephalocereus albicephalus</i> Buining & Brederoo wfo--0000557317 | 251 |
| <i>Astrophytum pumilum</i> (Lem.) Halda & Malina wfo-- 0000555117..... | 145 | <i>Austrocephalocereus</i> Backeb. wfo--4000003717..... | 251 |
| <i>Astrophytum pygmaeum</i> (Speg.) Halda & Malina wfo-- 0000555119..... | 146 | <i>Austrocephalocereus cactacearum</i> Backeb. wfo-- 0001288625 | 396 |
| <i>Astrophytum quadratum</i> Cobbold wfo--0000555120..... | 15 | <i>Austrocephalocereus dolichospermaticus</i> Buining & Brederoo wfo--0000557318 | 252 |
| <i>Astrophytum quadricostatum</i> (H.Moeller) Houghton wfo-- 0001430072..... | 15 | <i>Austrocephalocereus dybowskii</i> (Rol.-Goss.) Backeb. wfo-- 0001430085 | 135 |
| <i>Astrophytum schilinzkyanum</i> (F.Haage ex K.Schum.) Halda & Malina wfo--0000555121 | 146 | <i>Austrocephalocereus dybowskii</i> (Rol.-Goss.) Backeb. wfo-- 0000557319 | 135 |
| <i>Astrophytum senile</i> Frič wfo--0000555122 | 14 | <i>Austrocephalocereus estevesii</i> Buining & Brederoo wfo-- 0000557320 | 252 |
| <i>Astrophytum senile</i> Frič wfo--0001430073 | 14 | <i>Austrocephalocereus estevesii</i> subsp. <i>grandiflora</i> Diers & Esteves wfo--0001430086 | 252 |
| <i>Astrophytum senile</i> var. <i>aureum</i> (H.Moeller) Backeb. wfo-- 0000555123..... | 14 | <i>Austrocephalocereus estevesii</i> subsp. <i>insigniflorus</i> Diers & Esteves wfo--0000557321 | 252 |
| <i>Astrophytum tamaulipense</i> Houghton wfo--0001430074 | 15 | <i>Austrocephalocereus fluminensis</i> (Miq.) Buxb. wfo-- 0000557322 | 54 |
| <i>Astrophytum tulense</i> (K.Kayser) Sadovsky & Schütz wfo-- 0000555124..... | 15 | <i>Austrocephalocereus lehmannianus</i> (Werderm.) Backeb. wfo--0000557323 | 252 |
| <i>Astrophytum uhligianum</i> (Backeb.) Halda & Malina wfo-- 0000555125..... | 144 | <i>Austrocephalocereus purpureus</i> (Gürke) Backeb. wfo-- 0000557324 | 251, 252 |
| <i>Athrophyllum</i> Labour. wfo--4000042678 | 408 | <i>Austrocephalocereus streckeri</i> (Van Heek & Van Criek.) Mottram wfo--0001430087 | 252 |
| <i>Aureilobivia</i> Frič ex Kreuz. wfo--4000042535 | 102 | <i>Austrocylindropuntia albiflora</i> (K.Schum.) Backeb. wfo-- 0000557325 | 333 |
| <i>Austrocactus bertinii</i> (J.F.Cels) Britton & Rose wfo-- 0000557306..... | 16 | <i>Austrocylindropuntia</i> Backeb. wfo--4000003720 | 16 |
| <i>Austrocactus bertinii</i> subsp. <i>nobilis</i> (E.Sarnes & N.Sarnes) Guiggi wfo--0001430075 | 16 | <i>Austrocylindropuntia boliviana</i> (Salm-Dyck) G.D.Rowley wfo--0000508510 | 69 |
| <i>Austrocactus</i> Britton & Rose wfo--4000003715 | 16 | <i>Austrocylindropuntia cactacearum</i> Backeb. wfo-- 0001288627 | 396 |
| <i>Austrocactus colloncurensis</i> I.Schaub & Keim wfo-- 0001430076..... | 16 | <i>Austrocylindropuntia chichensis</i> (Cárdenas) G.D.Rowley wfo--0000508511 | 70 |
| <i>Austrocactus coxii</i> (K.Schum.) Backeb. wfo--0000557307 | 16 | <i>Austrocylindropuntia chuquisacana</i> (Cárdenas) F.Ritter wfo--0000557326 | 19 |
| <i>Austrocactus coxii</i> subsp. <i>longicarpus</i> (E.Sarnes & N.Sarnes) Guiggi wfo--0001430077..... | 16 | <i>Austrocylindropuntia clavarioides</i> (Otto ex Pfeiff.) Backeb. wfo--0000557327 | 195 |
| <i>Austrocactus dusenii</i> (F.A.C.Weber) Speg. wfo-- 0000557308..... | 16 | <i>Austrocylindropuntia clavarioides</i> var. <i>ruiz-lealii</i> (A.Cast.) Backeb. wfo--0000557328 | 195 |
| <i>Austrocactus ferrarii</i> R.Kiesling, E.Sarnes & N.Sarnes wfo-- 0001430078..... | 16 | <i>Austrocylindropuntia colubrina</i> (A.Cast.) Backeb. wfo-- 0000557329 | 260 |
| <i>Austrocactus gracilis</i> Backeb. wfo--0000557309..... | 16 | | |
| <i>Austrocactus hibernus</i> F.Ritter wfo--0000557310..... | 16 | | |
| <i>Austrocactus hibernus</i> subsp. <i>hibernus</i> wfo--0001434703 | 16 | | |

| | | | |
|---|--------|--|-----|
| <i>Austrocylindropuntia cylindrica</i> (Lam.) Backeb. wfo-- 0000557330..... | 17 | <i>Austrocylindropuntia spegazzinii</i> (F.A.C.Weber) Backeb. wfo--0000557356 | 333 |
| <i>Austrocylindropuntia exaltata</i> (A.Berger) Backeb. wfo-- 0000557332..... | 16, 17 | <i>Austrocylindropuntia sphaerica</i> (C.F.Först.) G.D.Rowley wfo--0000508515 | 71 |
| <i>Austrocylindropuntia floccosa</i> (Salm-Dyck) F.Ritter wfo-- 0000557333..... | 17 | <i>Austrocylindropuntia steiniana</i> Backeb. wfo--0000557357 | 19 |
| <i>Austrocylindropuntia floccosa</i> subsp. <i>crispicrinitus</i> (Rauh & Backeb.) Ostolaza wfo--0001430088..... | 18 | <i>Austrocylindropuntia subulata</i> (Muehlenpf.) Backeb. wfo-- 0000557358 | 19 |
| <i>Austrocylindropuntia floccosa</i> subsp. <i>floccosa</i> wfo-- 0001430089..... | 17 | <i>Austrocylindropuntia subulata</i> subsp. <i>exaltata</i> (A.Berger) D.R.Hunt wfo--0000557359 | 17 |
| <i>Austrocylindropuntia floccosa</i> subsp. <i>yanganucensis</i> (Rauh & Backeb.) Ostolaza wfo--0000508512 | 18 | <i>Austrocylindropuntia subulata</i> subsp. <i>subulata</i> wfo-- 0001430092 | 19 |
| <i>Austrocylindropuntia haematacantha</i> (Backeb.) Backeb. wfo--0000557334 | 364 | <i>Austrocylindropuntia tephrocactoides</i> Rauh & Backeb. wfo-- --0000557360..... | 17 |
| <i>Austrocylindropuntia hirschii</i> (Backeb.) E.F.Anderson wfo-- 0000557335..... | 18 | <i>Austrocylindropuntia teres</i> (F.Cels ex F.A.C.Weber) Backeb. wfo--0001288642 | 19 |
| <i>Austrocylindropuntia humahuacana</i> (Backeb.) Backeb. wfo--0000557336..... | 19 | <i>Austrocylindropuntia verschaffeltii</i> (Cels ex F.A.C.Weber) Backeb. wfo--0000557361 | 364 |
| <i>Austrocylindropuntia hypsophila</i> (Speg.) Backeb. wfo-- 0000557337..... | 364 | <i>Austrocylindropuntia verschaffeltii</i> var. <i>hypsophila</i> (Speg.) Backeb. wfo--0000557363 | 364 |
| <i>Austrocylindropuntia inarmata</i> Backeb. wfo--0000557338 | 364 | <i>Austrocylindropuntia verschaffeltii</i> var. <i>longispina</i> Backeb. wfo--0000557364 | 364 |
| <i>Austrocylindropuntia intermedia</i> Rauh & Backeb. wfo-- 0000557339..... | 17 | <i>Austrocylindropuntia vestita</i> (Salm-Dyck) Backeb. wfo-- 0000557365 | 19 |
| <i>Austrocylindropuntia ipatiana</i> (Cárdenas) Backeb. wfo-- 0000557340..... | 333 | <i>Austrocylindropuntia vestita</i> var. <i>chuisacana</i> (Cárdenas) Backeb. wfo--0000557366 | 19 |
| <i>Austrocylindropuntia lagopus</i> (K.Schum.) F.Ritter wfo-- 0001430090..... | 318 | <i>Austrocylindropuntia vestita</i> var. <i>intermedia</i> Backeb. wfo-- 0000557367 | 19 |
| <i>Austrocylindropuntia lagopus</i> (K.Schum.) I.Crook, J.Arnold & M.Lowry wfo--0000557341 | 318 | <i>Austrocylindropuntia vestita</i> var. <i>maior</i> Backeb. wfo-- 0000557368 | 19 |
| <i>Austrocylindropuntia lauliacoana</i> F.Ritter wfo-- 0000557342..... | 18 | <i>Austrocylindropuntia vestita</i> var. <i>shaferi</i> (Britton & Rose) F.Ritter wfo--0000557369..... | 18 |
| <i>Austrocylindropuntia machacana</i> F.Ritter wfo-- 0000557343..... | 18 | <i>Austrocylindropuntia weingartiana</i> (Backeb.) Backeb. wfo-- -0000557370 | 18 |
| <i>Austrocylindropuntia maldonadensis</i> (Arechav.) Backeb. wfo--0000557344 | 257 | <i>Austrocylindropuntia yanganucensis</i> (Rauh & Backeb.) E.F.Anderson wfo--0000557371 | 18 |
| <i>Austrocylindropuntia malyana</i> (Rausch) F.Ritter wfo-- 0000557345..... | 318 | <i>Aylostera albiareolata</i> (F.Ritter) Mosti & Papini wfo-- 0001430093 | 21 |
| <i>Austrocylindropuntia miquelii</i> (Monv.) Backeb. wfo-- 0000557346..... | 254 | <i>Aylostera albiflora</i> (F.Ritter & Buining) Backeb. wfo-- 0000557639 | 20 |
| <i>Austrocylindropuntia miquelii</i> var. <i>jilesii</i> Backeb. wfo-- 0000557347..... | 254 | <i>Aylostera albipilosa</i> (F.Ritter) Backeb. wfo--000055764020 | |
| <i>Austrocylindropuntia pachypus</i> (K.Schum.) Backeb. wfo-- 0000557348..... | 18 | <i>Aylostera albopectinata</i> (Rausch) Mosti & Papini wfo-- 0001430094 | 19 |
| <i>Austrocylindropuntia punta-caillan</i> (Rauh & Backeb.) E.F.Anderson wfo--0000557349..... | 18 | <i>Aylostera amblypetala</i> (F.Ritter) Mosti & Papini wfo-- 0001430095 | 26 |
| <i>Austrocylindropuntia rossiana</i> (Heinrich & Backeb.) G.D.Rowley wfo--0000508514 | 71 | <i>Aylostera applanata</i> (Rausch) Mosti & Papini wfo-- 0001430096 | 27 |
| <i>Austrocylindropuntia salmiana</i> (J.Parm. ex Pfeiff.) Backeb. wfo--0000557350..... | 333 | <i>Aylostera atrovirens</i> (Backeb.) Mosti & Papini wfo-- 0001430097 | 24 |
| <i>Austrocylindropuntia salmiana</i> var. <i>albiflora</i> (K.Schum.) Backeb. wfo--0000557351 | 333 | <i>Aylostera aureiflora</i> (Backeb.) Mosti & Papini wfo-- 0001430098 | 22 |
| <i>Austrocylindropuntia salmiana</i> var. <i>spegazzinii</i> (F.A.C.Weber) Backeb. wfo--0000557352 | 333 | <i>Aylostera azurduyensis</i> J.de Vries wfo--0000506480..... | 19 |
| <i>Austrocylindropuntia schickendantzii</i> (F.A.C.Weber) Backeb. wfo--0000557353 | 334 | <i>Aylostera brachyantha</i> (Wessner) Mosti & Papini wfo-- 0001430099 | 25 |
| <i>Austrocylindropuntia shaferi</i> (Britton & Rose) Backeb. wfo-- --0000557354 | 18 | <i>Aylostera brighignae</i> (Mosti & Papini) Mosti & Papini wfo-- -0001430100..... | 23 |
| <i>Austrocylindropuntia shaferi</i> var. <i>humahuacana</i> (Backeb.) R.Kiesling wfo--0000557355..... | 19 | <i>Aylostera brunescens</i> (Rausch) Mosti & Papini wfo-- 0001430101 | 25 |
| <i>Austrocylindropuntia shaferi</i> var. <i>shaferi</i> wfo-- 0001430091..... | 19 | <i>Aylostera brunneoradicata</i> (F.Ritter) Mosti & Papini wfo-- 0001430102 | 25 |
| | | <i>Aylostera buiningiana</i> (Rausch) Mosti & Papini wfo-- 0001430103 | 20 |

| | | | |
|---|----|--|-----|
| <i>Aylostera cajasensis</i> (F.Ritter) Mosti & Papini wfo-- 0001430104..... | 21 | <i>Aylostera heliosa</i> subsp. <i>cajasensis</i> (Donald) Mosti & Papini wfo--0001430132..... | 21 |
| <i>Aylostera camargoensis</i> (Rausch) Mosti & Papini wfo-- 0001430105..... | 25 | <i>Aylostera heliosa</i> subsp. <i>condorensis</i> (Donald) Mosti & Papini wfo--0001430133..... | 21 |
| <i>Aylostera canacruzensis</i> (Rausch) Mosti & Papini wfo-- 0001430106..... | 25 | <i>Aylostera hoffmannii</i> (Diers & Rausch) Mosti & Papini wfo-- --0001430134..... | 21 |
| <i>Aylostera carmeniana</i> (Rausch) Mosti & Papini wfo-- 0001430107..... | 26 | <i>Aylostera huasiensis</i> (Rausch) Mosti & Papini wfo-- 0001430135..... | 26 |
| <i>Aylostera christinae</i> (Rausch) Mosti & Papini wfo-- 0001430108..... | 25 | <i>Aylostera iridescens</i> (F.Ritter) Mosti & Papini wfo-- 0001430136..... | 26 |
| <i>Aylostera cincinnata</i> (Rausch) Mosti & Papini wfo-- 0001430109..... | 25 | <i>Aylostera iscayachensis</i> (Rausch) Mosti & Papini wfo-- 0001430137..... | 26 |
| <i>Aylostera cintiensis</i> (F.Ritter) Mosti & Papini wfo-- 0001430110..... | 21 | <i>Aylostera jujuyana</i> (Rausch) Mosti & Papini wfo-- 0001430138..... | 20 |
| <i>Aylostera colorea</i> (F.Ritter) Mosti & Papini wfo-- 0001430111..... | 26 | <i>Aylostera kieslingii</i> (Rausch) Mosti & Papini wfo-- 0001430139..... | 21 |
| <i>Aylostera crassa</i> (Rausch) Mosti & Papini wfo-- 0001430112..... | 27 | <i>Aylostera knizei</i> (Rausch) Mosti & Papini wfo-- 0001430140..... | 27 |
| <i>Aylostera deminuta</i> (F.A.C.Weber) Backeb. wfo-- 0000557641..... | 19 | <i>Aylostera kruegerae</i> Cárdenas wfo--0000557645..... | 383 |
| <i>Aylostera deminuta</i> var. <i>pseudominuscula</i> (Speg.) Backeb. wfo--0000557642..... | 20 | <i>Aylostera kupperiana</i> (Boed.) Backeb. wfo--0000557646 | 20 |
| <i>Aylostera diersiana</i> (Rausch) Mosti & Papini wfo-- 0001430113..... | 25 | <i>Aylostera leucacantha</i> (Rausch) Mosti & Papini wfo-- 0001430141..... | 27 |
| <i>Aylostera diersiana</i> subsp. <i>atrovirens</i> (Rausch) Mosti & Papini wfo--0001430114..... | 25 | <i>Aylostera leucanthemea</i> (Rausch) Mosti & Papini wfo-- 0001430142..... | 23 |
| <i>Aylostera donaldiana</i> (A.B.Lau & G.D.Rowley) Mosti & Papini wfo--0001430115..... | 21 | <i>Aylostera major</i> (Rausch) Mosti & Papini wfo-- 0001430143..... | 27 |
| <i>Aylostera einsteinii</i> (Frič ex Kreuz. & Buining) Mosti & Papini wfo--0001430116..... | 21 | <i>Aylostera malochii</i> (Slaba & Lad.Fisch.) Ritz wfo-- 0001430144..... | 23 |
| <i>Aylostera einsteinii</i> subsp. <i>einsteinii</i> wfo--0001430117..... | 21 | <i>Aylostera mamillosa</i> (Rausch) Mosti & Papini wfo-- 0001430145..... | 23 |
| <i>Aylostera eos</i> (Rausch) Mosti & Papini wfo--0001430118 | 23 | <i>Aylostera mandingaensis</i> R.Wahl & Jucker wfo-- 0000508518..... | 21 |
| <i>Aylostera fiebrigii</i> (Gürke) Backeb. wfo--0000557643..... | 20 | <i>Aylostera marieae</i> (Lad.Fisch. & Halda) Mosti & Papini wfo-- --0001430146..... | 27 |
| <i>Aylostera fiebrigii</i> var. <i>azurduyensis</i> (J.de Vries) Mieczak. wfo--0000743381..... | 19 | <i>Aylostera melanocentra</i> (Rausch) Mosti & Papini wfo-- 0001430147..... | 27 |
| <i>Aylostera fischeriana</i> (Slaba) Mosti & Papini wfo-- 0001430119..... | 23 | <i>Aylostera minor</i> (Rausch) Mosti & Papini wfo-- 0001430148..... | 26 |
| <i>Aylostera flavistyla</i> (F.Ritter) Mosti & Papini wfo-- 0001430120..... | 21 | <i>Aylostera mixticolor</i> (F.Ritter) Mosti & Papini wfo-- 0001430149..... | 26 |
| <i>Aylostera friedrichiana</i> (Rausch) Mosti & Papini wfo-- 0001430121..... | 25 | <i>Aylostera muscula</i> (F.Ritter & Thiele) Backeb. wfo-- 0000557647..... | 20 |
| <i>Aylostera froehlichiana</i> (Rausch) Mosti & Papini wfo-- 0001430122..... | 23 | <i>Aylostera narvaecense</i> Cárdenas wfo--0001246766..... | 20 |
| <i>Aylostera fulviseta</i> (Rausch) Mosti & Papini wfo-- 0001430123..... | 20 | <i>Aylostera narvaecensis</i> Cárdenas wfo--0000557648..... | 20 |
| <i>Aylostera fusca</i> (F.Ritter) Mosti & Papini wfo-- 0001430124..... | 21 | <i>Aylostera nazarenoensis</i> (Rausch) Mosti & Papini wfo-- 0001430150..... | 26 |
| <i>Aylostera gavazzii</i> (Mosti) Mosti & Papini wfo-- 0001430125..... | 27 | <i>Aylostera nigricans</i> (Wessner) Mosti & Papini wfo-- 0001430151..... | 25 |
| <i>Aylostera gonjianii</i> (R.Kiesling) Mosti & Papini wfo-- 0001430126..... | 23 | <i>Aylostera nigricans</i> subsp. <i>albispina</i> (Rausch) Mosti & Papini wfo--0001430152..... | 27 |
| <i>Aylostera haagei</i> (Frič & Schelle) Mosti & Papini wfo-- 0001430127..... | 24 | <i>Aylostera nitida</i> (F.Ritter) Mosti & Papini wfo-- 0001430153..... | 21 |
| <i>Aylostera haagei</i> subsp. <i>elegantula</i> (Rausch) Mosti & Papini wfo--0001430128..... | 27 | <i>Aylostera nogalesensis</i> (F.Ritter) Mosti & Papini wfo-- 0001430154..... | 21 |
| <i>Aylostera haagei</i> subsp. <i>mudanensis</i> (Rausch) Mosti & Papini wfo--0001430129..... | 25 | <i>Aylostera oculata</i> (Werderm.) Mosti & Papini wfo-- 0001430155..... | 22 |
| <i>Aylostera haefneriana</i> (Cullmann) Mosti & Papini wfo-- 0001430130..... | 25 | <i>Aylostera oculata</i> subsp. <i>tilcarensis</i> (Rausch) Mosti & Papini wfo--0001430156..... | 23 |
| <i>Aylostera heliosa</i> (Rausch) Mosti & Papini wfo-- 0001430131..... | 20 | <i>Aylostera odehnalii</i> (Halda, Šeda & Šorma) Mosti & Papini wfo--0001430157..... | 27 |

| | | | |
|--|--------|--|-----|
| <i>Aylostera orurensis</i> (Backeb.) Mosti & Papini wfo-- 0001430158..... | 24 | <i>Aylostera sumayana</i> (Rausch) Mosti & Papini wfo-- 0001430177..... | 28 |
| <i>Aylostera pallida</i> (Rausch) Mosti & Papini wfo-- 0001430159..... | 26 | <i>Aylostera supthutiana</i> (Rausch) Mosti & Papini wfo-- 0001430178..... | 24 |
| <i>Aylostera parvula</i> (Rausch) Mosti & Papini wfo-- 0001430160..... | 27 | <i>Aylostera tafnaensis</i> (Rausch) Mosti & Papini wfo-- 0001430179..... | 27 |
| <i>Aylostera patericalyx</i> (F.Ritter) Mosti & Papini wfo-- 0001430161..... | 21 | <i>Aylostera tamboensis</i> (F.Ritter) Mosti & Papini wfo-- 0001430180..... | 21 |
| <i>Aylostera pauciareolata</i> (F.Ritter) Mosti & Papini wfo-- 0001430162..... | 26 | <i>Aylostera tarijensis</i> (Rausch) Mosti & Papini wfo-- 0001430181..... | 28 |
| <i>Aylostera pelzliana</i> (Rausch) Mosti & Papini wfo-- 0001430163..... | 27 | <i>Aylostera tarvitaensis</i> (F.Ritter) Mosti & Papini wfo-- 0001430182..... | 28 |
| <i>Aylostera perplexa</i> (Donald) Mosti & Papini wfo-- 0001430164..... | 21 | <i>Aylostera torquata</i> (F.Ritter & Buining) Mosti & Papini wfo-- --0001430183..... | 26 |
| <i>Aylostera polypetala</i> (Rausch) Mosti & Papini wfo-- 0001430165..... | 27 | <i>Aylostera tropaeolipicta</i> (F.Ritter) Mosti & Papini wfo-- 0001430184..... | 26 |
| <i>Aylostera pseudodeminuta</i> (Backeb.) Backeb. wfo-- 0000557649..... | 20 | <i>Aylostera tuberculata</i> (Rausch) Mosti & Papini wfo-- 0001430185..... | 27 |
| <i>Aylostera pseudodeminuta</i> var. <i>albiseta</i> Backeb. wfo-- 0000557650..... | 20 | <i>Aylostera tuberosa</i> (F.Ritter) Backeb. wfo--0000557660 | 28 |
| <i>Aylostera pseudodeminuta</i> var. <i>grandiflora</i> Backeb. wfo-- 0000557651..... | 20 | <i>Aylostera vallegrandensis</i> (Cárdenas) Mosti & Papini wfo-- 0001430186..... | 20 |
| <i>Aylostera pseudodeminuta</i> var. <i>schneideriana</i> Backeb. wfo-- --0000557652..... | 20 | <i>Aylostera violaceostaminata</i> (Rausch) Mosti & Papini wfo-- -0001430187..... | 27 |
| <i>Aylostera pseudodeminuta</i> var. <i>schumanniana</i> (Backeb.) Backeb. wfo--0001430166..... | 20 | <i>Aylostera violascens</i> (F.Ritter) Mosti & Papini wfo-- 0001430188..... | 23 |
| <i>Aylostera pseudominuscula</i> (Speg.) Speg. wfo-- 0000557653..... | 19, 20 | <i>Aylostera vulpina</i> (F.Ritter) Mosti & Papini wfo-- 0001430189..... | 21 |
| <i>Aylostera pseudoritteri</i> (Rausch) Mosti & Papini wfo-- 0001430167..... | 26 | <i>Aylostera wahliana</i> (Rausch) Mosti & Papini wfo-- 0001430190..... | 21 |
| <i>Aylostera pulchella</i> (Rausch) Mosti & Papini wfo-- 0001430168..... | 20 | <i>Aylostera walteri</i> (Diers) Mosti & Papini wfo--0001430191 | 21 |
| <i>Aylostera pulvinosa</i> (F.Ritter & Buining) Backeb. wfo-- 0000557655..... | 20 | <i>Aylostera waltheriana</i> (Backeb.) Y.Itô wfo--0000557661 | 408 |
| <i>Aylostera pygmaea</i> (R.E.Fr.) Mosti & Papini wfo-- 0001430169..... | 24 | <i>Aylostera yuncharasensis</i> (Rausch) Mosti & Papini wfo-- 0001430192..... | 27 |
| <i>Aylostera raffaellii</i> (Mosti & Papini) Mosti & Papini wfo-- 0001430170..... | 27 | <i>Aylostera yuquinensis</i> (Rausch) Mosti & Papini wfo-- 0001430193..... | 26 |
| <i>Aylostera raulii</i> (Rausch) Mosti & Papini wfo--0001430171 | 323 | <i>Aylostera zavaletae</i> Cárdenas wfo--0000557662..... | 380 |
| <i>Aylostera ritteri</i> (Wessner) Mosti & Papini wfo-- 0001430172..... | 323 | <i>Aylostera zecheri</i> (Rausch) Mosti & Papini wfo-- 0001430194..... | 26 |
| <i>Aylostera robustispina</i> (F.Ritter) Mosti & Papini wfo-- 0001430173..... | 21 | <i>Aztekium</i> Boed. wfo--4000003829..... | 28 |
| <i>Aylostera rovidana</i> (Mosti & Papini) Mosti & Papini wfo-- 0001430174..... | 27 | <i>Aztekium hintonii</i> Glass & W.A.Fitz Maur. wfo-- 0000558174..... | 28 |
| <i>Aylostera rubiginosa</i> (F.Ritter) Backeb. wfo--0000557656 | 20 | <i>Aztekium mexicanum</i> (Glass & W.A.Fitz Maur.) Barmon & Corman wfo--0001430195..... | 147 |
| <i>Aylostera schatzliana</i> (Rausch) Mosti & Papini wfo-- 0001430175..... | 19 | <i>Aztekium ritteri</i> (Boed.) Boed. wfo--0000558175..... | 28 |
| <i>Aylostera simoniana</i> (Rausch) Mosti & Papini wfo-- 0001430176..... | 21 | <i>Aztekium valdezii</i> Velazco, M.A.Alvarado & S.Arias wfo-- 0001430196..... | 28 |
| <i>Aylostera</i> Speg. wfo--4000003804..... | 19 | <i>Azureocereus</i> Akers & H.Johnson wfo--4000003831..... | 34 |
| <i>Aylostera spegazziniana</i> (Backeb.) Backeb. wfo-- 0000557657..... | 20 | <i>Azureocereus ciliisquamus</i> F.Ritter wfo--0001289195..... | 34 |
| <i>Aylostera spegazziniana</i> var. <i>atroviridis</i> Backeb. wfo-- 0001288667..... | 20 | <i>Azureocereus columnaris</i> (F.Ritter) Lodé wfo--0001430197 | 34 |
| <i>Aylostera spinosissima</i> (Backeb.) Backeb. wfo-- 0000557658..... | 20 | <i>Azureocereus deflexispinus</i> Backeb. ex Rauh wfo-- 0000558179..... | 369 |
| <i>Aylostera steinmannii</i> (Solms) Backeb. wfo--0000557659 | 24 | <i>Azureocereus hertlingianus</i> (Backeb.) Backeb. wfo-- 0000558180..... | 34 |
| | | <i>Azureocereus hertlingianus</i> f. <i>viridis</i> (Rauh & Backeb.) Guiggi wfo--0001430198..... | 34 |
| | | <i>Azureocereus hertlingianus</i> subsp. <i>columnaris</i> (F.Ritter) Guiggi wfo--0001430199..... | 34 |
| | | <i>Azureocereus nobilis</i> Akers wfo--0000558181..... | 34 |
| | | <i>Azureocereus viridis</i> Rauh & Backeb. wfo--0000558182..... | 34 |

| | | | |
|---|---------|---|----------|
| <i>Backebergia</i> Bravo wfo--400003851 | 278 | <i>Binghamia acrantha</i> (Vaupel) Britton & Rose wfo-- | |
| <i>Backebergia chrysomallus</i> (Lem.) Bravo wfo--0000558198 | 278 | 0000565389 | 162 |
| ..... | 278 | <i>Binghamia aurivilla</i> (K.Schum.) Backeb. wfo--0000565390 | |
| <i>Backebergia militaris</i> (Audot) Bravo ex Sánchez-Mej. wfo-- |  | ..... | 31 |
| 0000558199 | 278 | <i>Binghamia aurivilla</i> Backeb. wfo--0001430207 | 31 |
| <i>Backebergia militaris</i> (Audot) Bravo wfo--0001430200 | 278 | <i>Binghamia australis</i> (Backeb.) Werderm. wfo-- | |
| <i>Banfiopuntia</i> Guiggi wfo--4000004015 | 362 | 0000565391 | 163 |
| <i>Banfiopuntia verschaffeltii</i> (Cels ex F.A.C.Weber) Guiggi | | <i>Binghamia</i> Britton & Rose wfo--4000004646 | 133 |
| wfo--0000748798 | 364 | <i>Binghamia cajamarquilla</i> Backeb. wfo--0000565392 ... | 408 |
| <i>Bartschella albicans</i> (Britton & Rose) Doweld wfo-- | | <i>Binghamia chosicensis</i> (Werderm. & Backeb.) Backeb. ex | |
| 0000560795 | 48 | J.West wfo--0000565393 | 164 |
| <i>Bartschella albicans</i> subsp. <i>fraileana</i> (Britton & Rose) | | <i>Binghamia climaxantha</i> Werderm. wfo--0000565394 ... | 393 |
| Doweld wfo--0001430201 | 50 | <i>Binghamia decumbens</i> (Vaupel) Werderm. wfo-- | |
| <i>Bartschella armillata</i> (K.Brandege) Doweld wfo-- | | 0000565395 | 163 |
| 0000560796 | 49 | <i>Binghamia eriотricha</i> (Werderm. & Backeb.) Borg wfo-- | |
| <i>Bartschella blossfeldiana</i> (Boed.) Doweld wfo-- | | 0000565396 | 29 |
| 0000560797 | 49 | <i>Binghamia humboldtii</i> (Kunth) Backeb. wfo--0000565397 | |
| <i>Bartschella boolii</i> (G.E.Linds.) Doweld wfo--0000560798 | 49 | ..... | 31 |
| <i>Bartschella</i> Britton & Rose wfo--4000004158 | 197 | <i>Binghamia humifusa</i> (Backeb.) Werderm. wfo-- | |
| <i>Bartschella cerralboa</i> (Britton & Rose) Doweld wfo-- | | 0000565399 | 167 |
| 0000560799 | 49 | <i>Binghamia icosagona</i> (Kunth) Backeb. wfo--0000565400 | |
| <i>Bartschella deherdtiana</i> (Farwig) Doweld wfo-- |  | ..... | 31 |
| 0000560801 | 205 | <i>Binghamia laredensis</i> (Backeb.) Werderm. wfo-- | |
| <i>Bartschella deherdtiana</i> subsp. <i>dodsonii</i> (Bravo) Doweld | | 0000565401 | 164 |
| wfo--0001430202 | 205 | <i>Binghamia melanostele</i> (Vaupel) Britton & Rose wfo-- | |
| <i>Bartschella glassii</i> (R.C.Foster) Doweld wfo--0000560802 | | 0000565402 | 133, 134 |
| ..... | 210 | <i>Binghamia multangularis</i> (Willd.) Britton & Rose wfo-- | |
| <i>Bartschella glassii</i> subsp. <i>ascensionis</i> (Repp.) Doweld wfo-- | | 0000565403 | 164 |
| -0001430203 | 210 | <i>Binghamia multangularis</i> var. <i>limensis</i> (Salm-Dyck) Borg | |
| <i>Bartschella glassii</i> subsp. <i>nomini-dulcis</i> (A.B.Lau) Doweld | | wfo--0000565404 | 164 |
| wfo--0001430204 | 210 | <i>Binghamia multangularis</i> var. <i>pallidior</i> (Pfeiff.) Borg wfo-- | |
| <i>Bartschella glassii</i> subsp. <i>siberiensis</i> (A.B.Lau) Doweld wfo-- | | 0000738856 | 164 |
| --0001430205 | 211 | <i>Binghamia multangularis</i> var. <i>rufispina</i> (Haw. ex Fobe) | |
| <i>Bartschella guelzowiana</i> (Werderm.) Doweld wfo-- | | Borg wfo--0000738857 | 164 |
| 0000560803 | 51 | <i>Binghamia olowinskiana</i> (Backeb.) W.T.Marshall wfo-- | |
| <i>Bartschella heidiae</i> (Krainz) Doweld wfo--0000560804 | 237 | 0000565405 | 162 |
| <i>Bartschella hernandezii</i> (Glass & R.A.Foster) Doweld wfo-- | | <i>Binghamia pacalaensis</i> (Backeb.) Werderm. wfo-- | |
| 0000560805 | 212 | 0000565406 | 164 |
| <i>Bartschella hutchisoniana</i> (H.E.Gates) Doweld wfo-- | | <i>Binghamia plagiostoma</i> (Vaupel) Backeb. wfo-- | |
| 0000560806 | 51 | 0001288674 | 32 |
| <i>Bartschella hutchisoniana</i> subsp. <i>louisae</i> (G.E.Linds.) | | <i>Binghamia platinospina</i> (Werderm. & Backeb.) Werderm. | |
| Doweld wfo--0001430206 | 51 | wfo--0000565407 | 166 |
| <i>Bartschella insularis</i> (H.E.Gates) Doweld wfo--0000560808 | | <i>Binghamia pseudomelanostele</i> (Werderm. & Backeb.) | |
| ..... | 51 | Backeb. wfo--0000565408 | 164 |
| <i>Bartschella multidigitata</i> (Radley ex G.E.Linds.) Doweld | | <i>Binghamia versicolor</i> (Werderm. & Backeb.) J.West wfo-- | |
| wfo--0000560809 | 52 | 0000565410 | 167 |
| <i>Bartschella napina</i> (J.A.Purpus) Doweld wfo--0000560810 | | <i>Binghamia versicolor</i> var. <i>humifusa</i> W.T.Marshall wfo-- | |
| ..... | 223 | 0001430208 | 167 |
| <i>Bartschella palmeri</i> (J.M.Coult.) Doweld wfo--0000560811 | | <i>Binghamia versicolor</i> var. <i>lasiacantha</i> W.T.Marshall wfo-- | |
| ..... | 52 | 0001430209 | 167 |
| <i>Bartschella schumannii</i> (Hildm.) Britton & Rose wfo-- | | <i>Binghamia versicolor</i> var. <i>xanthacantha</i> W.T.Marshall wfo-- | |
| 0000560812 | 53, 197 | --0001430210 | 167 |
| <i>Bartschella tetrancistra</i> (Engelm.) Doweld wfo-- | | <i>Bisnaga cornigera</i> (DC.) Orcutt wfo--0000566073.136, 140 | |
| 0000560813 | 53 | <i>Bisnaga electracantha</i> (Lem.) Orcutt wfo--0000566075.140 | |
| <i>Bartschella yaquensis</i> (R.T.Craig) Doweld wfo-- | | <i>Bisnaga flavovirens</i> (Scheidw.) Orcutt wfo--0000566076 | |
| 0000560814 | 53 | ..... | 138 |
| <i>Bartschella zephyranthoides</i> (Scheidw.) Doweld wfo-- | | <i>Bisnaga haematacantha</i> (Salm-Dyck) Doweld wfo-- | |
| 0000560815 | 237 | 0000566077 | 139 |
| <i>Berberocactus</i> Britton & Rose wfo--4000004472 | 28 | <i>Bisnaga haematacantha</i> subsp. <i>sinuata</i> (A.Dietr.) Doweld | |
| <i>Berberocactus emoryi</i> (Engelm.) Britton & Rose wfo-- | | wfo--0000566078 | 139 |
| 0000564302 | 28 | <i>Bisnaga hystrix</i> (DC.) Doweld wfo--0000566079 | 140 |
| <i>Binghamia acanthura</i> (Vaupel) Borg wfo--0000565388 .. | 29 | <i>Bisnaga latispina</i> (Haw.) Doweld wfo--0000566080 | 140 |

| | | | |
|--|-----|---|--------|
| <i>Bisnaga latispina</i> subsp. <i>spiralis</i> (Karw. ex Pfeiff.) Doweld wfo--0000566081..... | 141 | <i>Bolivicactus otavianus</i> (Cárdenas) Lodé wfo--0001430219..... | 295 |
| <i>Bisnaga latispinus</i> var. <i>spiralis</i> (Karw. ex Pfeiff.) Doweld wfo--0000566082..... | 141 | <i>Bolivicactus procerus</i> (F.Ritter) Doweld wfo--0000568272..... | 297 |
| <i>Bisnaga macrodisca</i> (Mart.) Doweld wfo--0000566083..... | 141 | <i>Bolivicactus ritteri</i> (Buining) Doweld wfo--0000568273..... | 297 |
| <i>Bisnaga macrodisca</i> subsp. <i>septentrionalis</i> (J.Meyrán) Doweld wfo--0000566085..... | 141 | <i>Bolivicactus saint-pieanus</i> (Backeb.) Doweld wfo--0000568274..... | 281 |
| <i>Bisnaga</i> Orcutt wfo--4000004681..... | 136 | <i>Bolivicactus schwebsianus</i> (Werderm.) Doweld wfo--0000568275..... | 298 |
| <i>Bisnaga pueblensis</i> Doweld wfo--0000566086..... | 139 | <i>Bolivicactus stuemeri</i> (Werderm.) Doweld wfo--0000568276..... | 299 |
| <i>Bisnaga recurva</i> subsp. <i>latispina</i> (Haw.) Doweld wfo--0000566087..... | 140 | <i>Bolivicactus subterraneus</i> (F.Ritter) Doweld wfo--0000568277..... | 299 |
| <i>Blossfeldia atroviridis</i> F.Ritter wfo--0000566941..... | 28 | <i>Bolivicactus taratensis</i> (Cárdenas) Doweld wfo--0000568278..... | 300 |
| <i>Blossfeldia atroviridis</i> var. <i>intermedia</i> F.Ritter wfo--0000566942..... | 28 | <i>Bolivicactus tilcarensis</i> (Werderm. & Backeb.) Doweld wfo--0000568279..... | 299 |
| <i>Blossfeldia campaniflora</i> Backeb. wfo--0000566943..... | 28 | <i>Bolivicactus tuberculatus</i> (Cárdenas) Doweld wfo--0000568280..... | 300 |
| <i>Blossfeldia cryptocarpa</i> (R.Kiesling & Piltz) Halda wfo--0000566944..... | 387 | <i>Bolivicereus brevicaulis</i> F.Ritter wfo--0000568282..... | 47 |
| <i>Blossfeldia fechseri</i> Backeb. wfo--0000566946..... | 28 | <i>Bolivicereus</i> Cárdenas wfo--4000004924..... | 44 |
| <i>Blossfeldia flocculosa</i> F.Ritter wfo--0001430211..... | 28 | <i>Bolivicereus croceus</i> F.Ritter wfo--0000568283..... | 47 |
| <i>Blossfeldia liliputana</i> f. <i>campaniflora</i> (Backeb.) Krainz wfo--0001430212..... | 28 | <i>Bolivicereus pisacensis</i> Knize wfo--0000568284..... | 61 |
| <i>Blossfeldia liliputana</i> f. <i>fechseri</i> (Backeb.) Krainz wfo--0001430213..... | 28 | <i>Bolivicereus rufus</i> F.Ritter wfo--0000568285..... | 47 |
| <i>Blossfeldia liliputana</i> var. <i>atroviridis</i> (F.Ritter) Krainz wfo--0000566948..... | 28 | <i>Bolivicereus samaipatanus</i> Cárdenas wfo--0000568286..... | 44, 47 |
| <i>Blossfeldia liliputana</i> var. <i>caineana</i> Cárdenas wfo--0000566949..... | 28 | <i>Bolivicereus samaipatanus</i> subsp. <i>divi-miseratus</i> (Cárdenas ex Backeb.) Guiggi wfo--0001430220..... | 47 |
| <i>Blossfeldia liliputana</i> var. <i>campaniflora</i> (Backeb.) Krainz wfo--0000566950..... | 28 | <i>Bolivicereus samaipatanus</i> var. <i>divi-miseratus</i> Cárdenas ex Backeb. wfo--0001430221..... | 47 |
| <i>Blossfeldia liliputana</i> var. <i>fechseri</i> (Backeb.) Krainz wfo--0000566951..... | 28 | <i>Bolivicereus samaipatanus</i> var. <i>multiflorus</i> Cárdenas wfo--0001288157..... | 47 |
| <i>Blossfeldia liliputana</i> var. <i>formosa</i> F.Ritter wfo--0000566952..... | 28 | <i>Bolivicereus serpens</i> (Kunth) Backeb. wfo--0000568287..... | 31 |
| <i>Blossfeldia liliputana</i> var. <i>pedicellata</i> (F.Ritter) Krainz wfo--0000566953..... | 28 | <i>Bolivicereus soukupii</i> Knize wfo--0000568288..... | 61 |
| <i>Blossfeldia liliputana</i> Werderm. wfo--0000566947..... | 28 | <i>Bolivicereus tenuiserpens</i> (Rauh & Backeb.) Backeb. wfo--0000568289..... | 33 |
| <i>Blossfeldia minima</i> F.Ritter wfo--0000566954..... | 28 | <i>Bolivihanbura asuntapatensis</i> (M.Kessler, Ibsch & Barthlott) Guiggi wfo--0001430222..... | 306 |
| <i>Blossfeldia minima</i> var. <i>caineana</i> (Cárdenas) Hort. Knize wfo--0001430214..... | 28 | <i>Bolivihanbura boliviana</i> (Britton) Guiggi wfo--0001430223..... | 306 |
| <i>Blossfeldia mizqueana</i> Hort. Knize wfo--0001430215..... | 28 | <i>Bolivihanbura</i> Guiggi wfo--4000042735..... | 306 |
| <i>Blossfeldia pedicellata</i> F.Ritter wfo--0000566955..... | 28 | <i>Bolivihanbura paranganiensis</i> (Cárdenas) Guiggi wfo--0001430224..... | 307 |
| <i>Blossfeldia subterranea</i> Hort. Knize wfo--0001430216..... | 28 | <i>Bonifazia quezalteca</i> Standl. & Steyerl. wfo--0000568680..... | 82, 85 |
| <i>Blossfeldia sucrensis</i> Hort. Knize wfo--0001430217..... | 28 | <i>Bonifazia</i> Standl. & Steyerl. wfo--4000004972..... | 82 |
| <i>Blossfeldia tominensis</i> Hort. Knize wfo--0001430218..... | 28 | <i>Borzicactella</i> H.Johnson ex F.Ritter wfo--4000005050..... | 29 |
| <i>Blossfeldia</i> Werderm. wfo--4000004815..... | 28 | <i>Borzicactella serpens</i> (Kunth) F.Ritter wfo--0000569379..... | 31 |
| <i>Bolivicactus aureicentrus</i> (Backeb.) Doweld wfo--0000568264..... | 280 | <i>Borzicactella serpens</i> subsp. <i>erecta</i> (G.J.Charles) Guiggi wfo--0001430225..... | 31 |
| <i>Bolivicactus columnaris</i> (Cárdenas) Doweld wfo--0000568265..... | 281 | <i>Borzicactella tenuiserpens</i> (Rauh & Backeb.) F.Ritter wfo--0000569380..... | 29, 33 |
| <i>Bolivicactus comarapanus</i> (Cárdenas) Doweld wfo--0000568266..... | 281 | <i>Borzicactus xmirabilis</i> (Buining) Donald wfo--0000569430..... | 390 |
| <i>Bolivicactus commutans</i> (F.Ritter) Doweld wfo--0000568267..... | 281 | <i>Borzicactus acanthurus</i> (Vaupel) Britton & Rose wfo--0000569382..... | 29 |
| <i>Bolivicactus</i> Doweld wfo--4000004923..... | 279 | <i>Borzicactus acanthurus</i> subsp. <i>acanthurus</i> wfo--0001434704..... | 29 |
| <i>Bolivicactus hausteinianus</i> (Rausch) Doweld wfo--0000568268..... | 286 | <i>Borzicactus acanthurus</i> subsp. <i>faustianus</i> (Backeb.) G.J.Charles wfo--0001430226..... | 30 |
| <i>Bolivicactus maassii</i> (Heese) Doweld wfo--0000568269..... | 289 | <i>Borzicactus acanthurus</i> subsp. <i>pullatus</i> (Rauh & Backeb.) G.J.Charles wfo--0001430227..... | 30 |
| <i>Bolivicactus mairananus</i> (Cárdenas) Doweld wfo--0000568270..... | 289 | | |
| <i>Bolivicactus ocampoii</i> (Cárdenas) Doweld wfo--0000568271..... | 294 | | |

| | | | |
|---|-----|---|-----|
| <i>Borzicactus aequatorialis</i> Backeb. wfo--0000569383 | 32 | <i>Borzicactus haynei</i> var. <i>hystrix</i> (Rauh & Backeb.) Donald wfo--0001430236 | 240 |
| <i>Borzicactus aurantiacus</i> (Vaupel) Kimnach & Hutchison wfo--0000569384 | 238 | <i>Borzicactus haynei</i> var. <i>perplexa</i> (Backeb.) Donald wfo--0001430237 | 239 |
| <i>Borzicactus aurantiacus</i> var. <i>calvescens</i> (Kimnach & Hutchison) Donald wfo--0000569385 | 238 | <i>Borzicactus hempelianus</i> (Gürke) Donald wfo--0000569410 | 276 |
| <i>Borzicactus aurantiacus</i> var. <i>megalantha</i> (F.Ritter) Donald wfo--0001430228 | 240 | <i>Borzicactus hempelianus</i> var. <i>rettigii</i> (Quehl) Donald wfo--0000569411 | 276 |
| <i>Borzicactus aureiflorus</i> (F.Ritter) Donald wfo--0000569386 | 239 | <i>Borzicactus hempelianus</i> var. <i>spinosissimus</i> (F.Ritter) Donald wfo--0000569412 | 276 |
| <i>Borzicactus aureispinus</i> (F.Ritter) G.D.Rowley wfo--0000569387 | 48 | <i>Borzicactus hempelianus</i> var. <i>weingartianus</i> (Backeb.) Donald wfo--0000569413 | 276 |
| <i>Borzicactus aurivillus</i> (K.Schum.) Britton & Rose wfo--0000569388 | 31 | <i>Borzicactus hendriksenianus</i> (Backeb.) Kimnach wfo--0000569414 | 276 |
| <i>Borzicactus cajamarcensis</i> F.Ritter wfo--0000569389 | 30 | <i>Borzicactus hoffmannii</i> (G.J.Charles) G.J.Charles wfo--0001430238 | 30 |
| <i>Borzicactus calvescens</i> Kimnach & Hutchison wfo--0000569391 | 238 | <i>Borzicactus hoxeyi</i> G.J.Charles wfo--0001430239 | 30 |
| <i>Borzicactus calviflorus</i> F.Ritter wfo--0000569392 | 30 | <i>Borzicactus huagalensis</i> Donald & A.B.Lau wfo--0000569415 | 240 |
| <i>Borzicactus celsianus</i> (Lem. ex Salm-Dyck) Kimnach wfo--0000569393 | 275 | <i>Borzicactus humboldtii</i> (Kunth) Britton & Rose wfo--0000569416 | 31 |
| <i>Borzicactus celsianus</i> var. <i>trollii</i> (Kupper) G.D.Rowley wfo--0000569394 | 277 | <i>Borzicactus hutchisonii</i> G.J.Charles wfo--0000746097 | 30 |
| <i>Borzicactus colademononis</i> (Diers & Krahn) Lodé wfo--0001430229 | 48 | <i>Borzicactus hystrix</i> (Rauh & Backeb.) G.J.Charles wfo--0001430240 | 30 |
| <i>Borzicactus crassiserpens</i> (Rauh & Backeb.) Lodé wfo--0001430230 | 31 | <i>Borzicactus icosagonus</i> (Kunth) Britton & Rose wfo--0000569417 | 31 |
| <i>Borzicactus decumbens</i> (Vaupel) Britton & Rose wfo--0000569395 | 163 | <i>Borzicactus icosagonus</i> f. <i>aurantiaciflorus</i> (Backeb.) Krainz wfo--0000569419 | 31 |
| <i>Borzicactus doelzianus</i> (Backeb.) Kimnach wfo--0000569396 | 276 | <i>Borzicactus icosagonus</i> subsp. <i>humboldtii</i> (Kunth) G.J.Charles wfo--0001430241 | 31 |
| <i>Borzicactus eriotrichus</i> (Werderm. & Backeb.) Backeb. wfo--0000569397 | 29 | <i>Borzicactus icosagonus</i> subsp. <i>icosagonus</i> wfo--0001434706 | 31 |
| <i>Borzicactus faustianus</i> Backeb. wfo--0000569398 | 30 | <i>Borzicactus icosagonus</i> subsp. <i>roseiflorus</i> (Buining) G.J.Charles wfo--0001430242 | 31 |
| <i>Borzicactus fieldianus</i> Britton & Rose wfo--0000569399 | 30 | <i>Borzicactus intertextus</i> (F.Ritter) Donald wfo--0000569420 | 240 |
| <i>Borzicactus fieldianus</i> subsp. <i>fieldianus</i> wfo--0001434705 | 30 | <i>Borzicactus intertextus</i> var. <i>celendinensis</i> (F.Ritter) Donald wfo--0001430243 | 240 |
| <i>Borzicactus fieldianus</i> subsp. <i>tesselatus</i> (Akers & Buining) G.J.Charles wfo--0001430231 | 30 | <i>Borzicactus jajoanus</i> Backeb. wfo--0000569421 | 31 |
| <i>Borzicactus fieldianus</i> var. <i>tesselatus</i> (Akers & Buining) Krainz wfo--0001287906 | 30 | <i>Borzicactus janae</i> Halda & Horáček wfo--0000569422 | 396 |
| <i>Borzicactus fieldianus</i> var. <i>tesselatus</i> (Akers & Buining) Krainz ex F.Ritter wfo--0000569400 | 30 | <i>Borzicactus keller-badensis</i> (Backeb. & Krainz) Krainz wfo--0000569423 | 29 |
| <i>Borzicactus formosus</i> (F.Ritter) Donald wfo--0000569402 | 239 | <i>Borzicactus krahnii</i> Donald wfo--0000569424 | 240 |
| <i>Borzicactus fossulatus</i> (Labour.) Kimnach wfo--0000569403 | 276 | <i>Borzicactus laniceps</i> (K.Schum.) Backeb. wfo--0000569425 | 46 |
| <i>Borzicactus fruticosus</i> (F.Ritter) Donald wfo--0000569404 | 238 | <i>Borzicactus leonensis</i> (Madsen) G.J.Charles wfo--0001430244 | 31 |
| <i>Borzicactus gracilis</i> (Akers & Buining) Buxb. & Krainz wfo--0000569405 | 32 | <i>Borzicactus leucotrichus</i> (Phil.) Kimnach wfo--0000569426 | 276 |
| <i>Borzicactus gracilis</i> var. <i>aticensis</i> (Rauh & Backeb.) Krainz wfo--0001430232 | 32 | <i>Borzicactus longiserpens</i> (Leuenb.) G.J.Charles wfo--0000746101 | 31 |
| <i>Borzicactus gracilis</i> var. <i>camanaensis</i> (Rauh & Backeb.) Krainz wfo--0001430233 | 32 | <i>Borzicactus longiserpens</i> subsp. <i>erectus</i> G.J.Charles wfo--0000746102 | 31 |
| <i>Borzicactus haynei</i> (Otto ex Salm-Dyck) Kimnach wfo--0000569406 | 239 | <i>Borzicactus longiserpens</i> subsp. <i>longisperpens</i> wfo--0001434707 | 31 |
| <i>Borzicactus haynei</i> var. <i>atrispina</i> (Rauh & Backeb.) Donald wfo--0000569407 | 239 | <i>Borzicactus madisoniorum</i> Hutchison wfo--0000569427 | 240 |
| <i>Borzicactus haynei</i> var. <i>blancii</i> (Backeb.) Donald wfo--0001430234 | 239 | <i>Borzicactus madisoniorum</i> var. <i>pujupatii</i> Donald & A.B.Lau wfo--0000569429 | 241 |
| <i>Borzicactus haynei</i> var. <i>breviflora</i> (Rauh & Backeb.) Donald wfo--0001430235 | 240 | <i>Borzicactus morleyanus</i> Britton & Rose wfo--0000569431 | 31 |

| | | | |
|--|--------|--|-------------|
| <i>Borzicactus myriacanthus</i> (Vaupel) Donald wfo-- 0000569432..... | 240 | <i>Borzicactus weberbaueri</i> (Vaupel) Donald wfo-- 0000569466..... | 241 |
| <i>Borzicactus neoroezlii</i> F.Ritter wfo--0000569433..... | 32 | <i>Borzicactus weberbaueri</i> var. <i>flammeus</i> Donald wfo-- 0000569467..... | 241 |
| <i>Borzicactus oreodoxus</i> (F.Ritter) Donald wfo--0000569434 | 240 | <i>Borzicactus weberbaueri</i> var. <i>myriacanthus</i> (Vaupel) Donald wfo--0000569468..... | 240 |
| <i>Borzicactus pachycladus</i> (Rauh & Backeb.) G.J.Charles wfo-- 0001430245..... | 32 | <i>Borzicactus websterianus</i> Backeb. wfo--0000569469..... | 32 |
| <i>Borzicactus paucicostatus</i> (F.Ritter) Donald wfo-- 0000569435..... | 240 | <i>Borzicactus websterianus</i> var. <i>rufispinus</i> Backeb. wfo-- 0000569470..... | 32 |
| <i>Borzicactus paucicostatus</i> f. <i>robustispinus</i> Donald & A.B.Lau wfo--0001430246..... | 240 | <i>Borzicactus wrightii</i> Hutchison wfo--0001287057..... | 408 |
| <i>Borzicactus pisacensis</i> (Knize) G.D.Rowley wfo-- 0000569436..... | 61 | <i>Borzicactus xylorhizus</i> (F.Ritter) G.J.Charles wfo-- 0001430248..... | 33 |
| <i>Borzicactus piscoensis</i> (Rauh & Backeb.) Rauh wfo-- 0000569437..... | 32 | <i>Borzicactus zanderi</i> Backeb. wfo--0000569472..... | 408 |
| <i>Borzicactus plagiotoma</i> (Vaupel) Britton & Rose wfo-- 0000569439..... | 32 | <i>Borzicereus</i> Frič & Kreuz. wfo--4000042729..... | 29 |
| <i>Borzicactus platinospinus</i> (Werderm. & Backeb.) Borg wfo-- 0000569440..... | 166 | <i>Brachycalycium</i> Backeb. wfo--4000005191..... | 149 |
| <i>Borzicactus pseudothelegonus</i> (Rauh & Backeb.) Rauh & Backeb. wfo--0000569441..... | 32 | <i>Brachycalycium tilcarensense</i> Backeb. wfo--0000570222..... | 149, 161 |
| <i>Borzicactus purpureus</i> F.Ritter wfo--0000569442..... | 32 | <i>Brachycereus</i> Britton & Rose wfo--4000005195..... | 33 |
| <i>Borzicactus Riccob.</i> wfo--4000005051..... | 28 | <i>Brachycereus nesioticus</i> (K.Schum.) Backeb. wfo-- 0000570230..... | 33 |
| <i>Borzicactus ritteri</i> (Buining) Donald wfo--0000569443..... | 241 | <i>Brachycereus thouarsii</i> (F.A.C.Weber) Britton & Rose wfo-- 0000570231..... | 171 |
| <i>Borzicactus roezlii</i> (F.Haage ex K.Schum.) Backeb. wfo-- 0000569444..... | 32 | <i>Bragaia</i> Esteves, Hofacker & P.J.Braun wfo--4000005306 | 33 |
| <i>Borzicactus samaipatanus</i> (Cárdenas) Kimnach wfo-- 0000569445..... | 47 | <i>Bragaia estevesii</i> Hofacker & P.J.Braun wfo--0000743420 | 33 |
| <i>Borzicactus samaipatanus</i> var. <i>divi-miseratus</i> (Cárdenas) Krainz wfo--0000569446..... | 47 | <i>Brasilicactus alacriportanus</i> (Backeb. & Voll) Doweld wfo-- 0000570816..... | 279 |
| <i>Borzicactus samaipatanus</i> var. <i>multiflorus</i> (Cárdenas) Krainz wfo--0000569447..... | 47 | <i>Brasilicactus</i> Backeb. wfo--4000005329..... | 279 |
| <i>Borzicactus samnensis</i> F.Ritter wfo--0000569448..... | 32 | <i>Brasilicactus brevihamatus</i> (W.Haage ex Backeb.) Doweld wfo--0000570817..... | 279 |
| <i>Borzicactus sepium</i> (Kunth) Britton & Rose wfo-- 0000569450..... | 32 | <i>Brasilicactus buenekeri</i> (Buining) Doweld wfo-- 0000570818..... | 279 |
| <i>Borzicactus sepium</i> subsp. <i>leonensis</i> (Madsen) Guiggi wfo-- 0001430247..... | 31 | <i>Brasilicactus catarinensis</i> Doweld wfo--0000570820..... | 280, 408 |
| <i>Borzicactus sepium</i> var. <i>morleyanus</i> (Britton & Rose) Krainz wfo--0000569451..... | 31 | <i>Brasilicactus catarinensis</i> Doweld wfo--0001430249..... | 280, 408 |
| <i>Borzicactus sepium</i> var. <i>roezlii</i> (F.Haage ex K.Schum.) Borg wfo--0000569452..... | 32 | <i>Brasilicactus elachisanthus</i> (F.A.C.Weber) Backeb. wfo-- 0001288680..... | 286 |
| <i>Borzicactus serpens</i> (Kunth) Kimnach wfo--0000569453..... | 31 | <i>Brasilicactus graessneri</i> (K.Schum.) Backeb. wfo-- 0000570821..... | 279, 286 |
| <i>Borzicactus sextonianus</i> (Backeb.) Kimnach wfo-- 0000569454..... | 32 | <i>Brasilicactus graessneri</i> var. <i>albisetia</i> Cullmann wfo-- 0000570822..... | 286 |
| <i>Borzicactus soukupii</i> (Knize) G.D.Rowley wfo--0000569455 | 61 | <i>Brasilicactus haselbergii</i> (Haage ex Rümpler) Backeb. ex Jul.Schäff. wfo--0000570823..... | 286 |
| <i>Borzicactus strausii</i> (Heese) A.Berger wfo--0000569456..... | 47 | <i>Brasilicactus rechensis</i> (Buining) Doweld wfo-- 0000570824..... | 297 |
| <i>Borzicactus sulcifer</i> (Rauh & Backeb.) Kimnach wfo-- 0000569457..... | 33 | <i>Brasilicereus</i> Backeb. wfo--4000005330..... | 33 |
| <i>Borzicactus tenuiserpens</i> (Rauh & Backeb.) Kimnach wfo-- 0000569458..... | 33 | <i>Brasilicereus breviflorus</i> F.Ritter wfo--0000570825..... | 33 |
| <i>Borzicactus tessellatus</i> Akers & Buining wfo--0000569459 | 30 | <i>Brasilicereus estevesii</i> (Hofacker & P.J.Braun) N.P.Taylor & M.Machado wfo--0000748796..... | 33 |
| <i>Borzicactus tominensis</i> (Weing.) Borg wfo--0000569461..... | 48 | <i>Brasilicereus markgrafii</i> Backeb. & Voll wfo--0000570826 | 33 |
| <i>Borzicactus tominensis</i> (Weing.) Neale wfo--0001288679 | 48 | <i>Brasilicereus phaeacanthus</i> (Gürke) Backeb. wfo-- 0000570827..... | 33 |
| <i>Borzicactus trollii</i> (Kupper) Kimnach wfo--0000569462..... | 277 | <i>Brasilicereus phaeacanthus</i> subsp. <i>breviflorus</i> (F.Ritter) P.J.Braun & Esteves wfo--0000570829..... | 33 |
| <i>Borzicactus tuberculatus</i> Donald wfo--0000569463..... | 241 | <i>Brasilicereus phaeacanthus</i> var. <i>breviflorus</i> (F.Ritter) P.J.Braun & Esteves wfo--0001252452..... | 33 |
| <i>Borzicactus variabilis</i> (Rauh & Backeb.) Donald wfo-- 0000569464..... | 239 | <i>Brasilipuntia</i> (K.Schum.) A.Berger wfo--4000005333..... | 33 |
| <i>Borzicactus ventimigliae</i> Riccob. wfo--0000569465..... | 28, 32 | <i>Brasilipuntia argentina</i> (Griseb.) A.Berger wfo-- 0000570830..... | 34 |

| | | | |
|---|----------|---|-----|
| <i>Brasiliopuntia bahiensis</i> (Britton & Rose) A.Berger wfo-- 0000570831..... | 33 | <i>Brittonrosea gladiata</i> (Link & Otto) Speg. wfo-- 0000572320..... | 355 |
| <i>Brasiliopuntia brasiliensis</i> (Willd.) A.Berger wfo-- 0000570832..... | 33 | <i>Brittonrosea grandicornis</i> (Lem.) Speg. wfo--0000572321 | 352 |
| <i>Brasiliopuntia brasiliensis</i> subsp. <i>bahiensis</i> (Britton & Rose) P.J.Braun & Esteves wfo--0000570833..... | 33 | <i>Brittonrosea hastata</i> (Hopffer ex K.Schum.) Speg. wfo-- 0000572323..... | 353 |
| <i>Brasiliopuntia brasiliensis</i> subsp. <i>subacarpa</i> (Rizzini & A.Mattos) P.J.Braun & Esteves wfo--0000570834..... | 34 | <i>Brittonrosea heteracantha</i> (Muehlenpf.) Speg. wfo-- 0000572324..... | 352 |
| <i>Brasiliopuntia neoargentina</i> Backeb. wfo--0000570835..... | 34 | <i>Brittonrosea lamellosa</i> (A.Dietr.) Speg. wfo--0000572325 | 353 |
| <i>Brasiliopuntia schickendantzii</i> (F.A.C.Weber) R.Puente & Majure wfo--0001430250..... | 334 | <i>Brittonrosea lancifera</i> (A.Dietr.) Speg. wfo--0000572326 | 353 |
| <i>Brasiliopuntia schulzii</i> (A.Cast. & H.V.Lelong) Backeb. wfo-- -0000570836..... | 34 | <i>Brittonrosea lloydii</i> (Britton & Rose) Speg. wfo-- 0000572327..... | 353 |
| <i>Brasiliopuntia subacarpa</i> Rizzini & A.Mattos wfo-- 0000570837..... | 34 | <i>Brittonrosea multcostata</i> (Hildm. ex K.Schum.) Speg. wfo-- -0000572328..... | 353 |
| <i>Brasiliparodia alacriportana</i> (Backeb. & Voll) F.Ritter wfo-- 0000570839..... | 279 | <i>Brittonrosea obvallata</i> (DC.) Speg. wfo--0000572329 .. | 354 |
| <i>Brasiliparodia brevihamata</i> (W.Haage ex Backeb.) F.Ritter wfo--0000570840..... | 279 | <i>Brittonrosea pentacantha</i> (Lem.) Speg. wfo--0000572330 | 354 |
| <i>Brasiliparodia brevihamata</i> f. <i>conjugens</i> F.Ritter wfo-- 0001430251..... | 279 | <i>Brittonrosea phyllacantha</i> (Mart.) Speg. wfo--0000572331 | 354 |
| <i>Brasiliparodia brevihamata</i> var. <i>mollispina</i> F.Ritter wfo-- 0001430252..... | 280 | <i>Brittonrosea</i> Speg. wfo--4000005455..... | 86 |
| <i>Brasiliparodia buenekeri</i> (Buining) F.Ritter wfo-- 0000570841..... | 279 | <i>Brittonrosea violaciflora</i> (Quehl) Speg. wfo--0000572332 | 352 |
| <i>Brasiliparodia buenekeri</i> f. <i>conjugens</i> F.Ritter wfo-- 0001430253..... | 279 | <i>Brittonrosea wippermannii</i> (Muehlenpf.) Speg. wfo-- 0000572333..... | 355 |
| <i>Brasiliparodia buenekeri</i> var. <i>conjugens</i> F.Ritter wfo-- 0001430254..... | 279 | <i>Brittonrosea zacatecasensis</i> (Britton & Rose) Speg. wfo-- 0000572334..... | 353 |
| <i>Brasiliparodia buenekeri</i> var. <i>intermedia</i> F.Ritter wfo-- 0001430255..... | 280 | <i>Browningia albiceps</i> F.Ritter wfo--0000572628..... | 34 |
| <i>Brasiliparodia catarinensis</i> F.Ritter wfo--0000570842..... | 280 | <i>Browningia altissima</i> (F.Ritter) Buxb. wfo--0000572631..... | 34 |
| <i>Brasiliparodia</i> F.Ritter wfo--4000005335..... | 279 | <i>Browningia amstutziae</i> (Rauh & Backeb.) Hutchison ex Krainz wfo--0000572632..... | 34 |
| <i>Brasiliparodia rechensis</i> (Buining) F.Ritter wfo-- 0000570844..... | 297 | <i>Browningia</i> Britton & Rose wfo--4000005515..... | 34 |
| <i>Brasilocactus</i> Frič ex Kreuz. wfo--4000042666..... | 279 | <i>Browningia caineana</i> (Cárdenas) D.R.Hunt wfo-- 0000572633..... | 35 |
| <i>Bravocactus</i> Doweld wfo--4000005367..... | 171 | <i>Browningia candelaris</i> (Meyen) Britton & Rose wfo-- 0000572634..... | 34 |
| <i>Bravocactus horripilus</i> (Lem.) Doweld wfo--0000571885 | 171, 172 | <i>Browningia candelaris</i> subsp. <i>candelaris</i> wfo-- 0001434708..... | 34 |
| <i>Bravocactus horripilus</i> subsp. <i>wrobelianus</i> (Nitzschke & Montes) Doweld wfo--0000571886..... | 172 | <i>Browningia candelaris</i> subsp. <i>icaensis</i> (F.Ritter) D.R.Hunt wfo--0000572635..... | 34 |
| <i>Bridgesia</i> Backeb. wfo--4000005428..... | 112 | <i>Browningia chlorocarpa</i> (Kunth) W.T.Marshall wfo-- 0000572636..... | 34 |
| <i>Bridgesia cumingii</i> (Hopffer) Backeb. wfo--0001430256 | 384 | <i>Browningia columnaris</i> F.Ritter wfo--0000572637..... | 34 |
| <i>Bridgesia polyraphis</i> (Pfeiff. ex Salm-Dyck) Backeb. wfo-- 0001430257..... | 128 | <i>Browningia hernandezii</i> Fern.Alonso wfo--0000572638..... | 34 |
| <i>Bridgesia villosa</i> (Monv.) Backeb. wfo--0001430258..... | 128 | <i>Browningia hertlingiana</i> (Backeb.) Buxb. wfo-- 0000572639..... | 34 |
| <i>Brittonia</i> C.A.Armstr. wfo--4000005454..... | 136 | <i>Browningia icaensis</i> F.Ritter wfo--0000572640..... | 34 |
| <i>Brittonia davisii</i> Houghton & C.A.Armstr. wfo-- 0000572312..... | 139 | <i>Browningia macracantha</i> (F.Ritter) Wittner wfo-- 0001430259..... | 34 |
| <i>Brittonrosea albata</i> (A.Dietr.) Speg. wfo--0000572313..... | 355 | <i>Browningia microsperma</i> (Werderm. & Backeb.) W.T.Marshall wfo--0000572642..... | 34 |
| <i>Brittonrosea anfractuosa</i> (Mart. ex Pfeiff.) Speg. wfo-- 0000572314..... | 351 | <i>Browningia pilleifera</i> (F.Ritter) Hutchison wfo-- 0000572643..... | 35 |
| <i>Brittonrosea arrigens</i> (Link ex A.Dietr.) Speg. wfo-- 0000572315..... | 351 | <i>Browningia riosaniensis</i> (Backeb.) G.D.Rowley wfo-- 0000572644..... | 320 |
| <i>Brittonrosea confusa</i> (Britton & Rose) Speg. wfo-- 0000572316..... | 353 | <i>Browningia utcubambensis</i> Hutchison ex Wittner wfo-- 0001287058..... | 35 |
| <i>Brittonrosea coptonogona</i> (Lem.) Speg. wfo--0000572317 | 351 | <i>Browningia viridis</i> (Rauh & Backeb.) Buxb. wfo-- 0000572645..... | 34 |
| <i>Brittonrosea crispata</i> (DC.) Speg. wfo--0000572318..... | 351 | <i>Buiningia brevicylindrica</i> Buining wfo--0000574486..... | 54 |
| <i>Brittonrosea dichroacantha</i> (Mart. ex Pfeiff.) Speg. wfo-- 0000572319..... | 352 | | |

| | | | |
|--|-----|---|-----|
| <i>Buiningia brevicylindrica</i> var. <i>elongata</i> Buining wfo--0000574488..... | 54 | <i>Cactus aurantiiformis</i> Thiery ex Steud. wfo--0001288085 | 396 |
| <i>Buiningia brevicylindrica</i> var. <i>longispina</i> Buining wfo--0000574489..... | 54 | <i>Cactus aureiceps</i> (Lem.) Kuntze wfo--0000577676..... | 230 |
| <i>Buiningia</i> Buxb. wfo--4000005713 | 54 | <i>Cactus aureus</i> Meyen wfo--0000577678 | 60 |
| <i>Buiningia purpurea</i> Buining & Brederoo wfo--0000574490 | 55 | <i>Cactus auricomus</i> (A.Dietr.) Kuntze wfo--0000577679 | 235 |
| <i>Cactaceae</i> Juss. wfo--7000000098 | 3 | <i>Cactus aureus</i> (Ehrenb.) Kuntze wfo--0000577680 | 234 |
| <i>Cactodendron</i> Bigelow wfo--4000049119 | 256 | <i>Cactus ayrampo</i> Azara wfo--0000577681 | 7 |
| <i>Cactus</i> [unranked] <i>Opuntia</i> L. wfo--3500004049 | 256 | <i>Cactus bahiensis</i> Britton & Rose wfo--0000577682 | 241 |
| <i>Cactus</i> × <i>hybridus</i> Van Geel wfo--0001430260 | 388 | <i>Cactus barbatus</i> (Engelm.) Kuntze wfo--0000577683 | 49 |
| <i>Cactus xjenkinsonii</i> McIntosh wfo--0001430261 | 388 | <i>Cactus barlowii</i> (Regel & Klein bis) Kuntze wfo--0000577684 | 217 |
| <i>Cactus xmallisonii</i> (Otto & A.Dietr.) Loudon wfo--0000577974..... | 391 | <i>Cactus bellatulus</i> (C.F.Först.) Kuntze wfo--0000577685 | 209 |
| <i>Cactus abnormis</i> Willd. wfo--0000577637 | 40 | <i>Cactus beneckeii</i> (Ehrenb.) Kuntze wfo--0000577686 | 199 |
| <i>Cactus acanthophlegmus</i> (Lehm.) Kuntze wfo--0001288057..... | 209 | <i>Cactus bergii</i> Miq. wfo--0001430262 | 214 |
| <i>Cactus acanthostephes</i> (Lehm.) Kuntze wfo--0000577638 | 67 | <i>Cactus berteroi</i> Colla wfo--0000577687 | 125 |
| <i>Cactus acicularis</i> (Lem.) Kuntze wfo--0000577639 | 230 | <i>Cactus bertini</i> Markgr. wfo--0001288086 | 323 |
| <i>Cactus aciculatus</i> (Otto ex Pfeiff.) Kuntze wfo--0000577640..... | 403 | <i>Cactus bicolor</i> Terán & Berland. ex Engelm. wfo--0000577690 | 368 |
| <i>Cactus ackermannii</i> (Haw.) Lindl. wfo--0000577641..... | 83 | <i>Cactus bicolor</i> Terán & Berland. wfo--0000577689 | 368 |
| <i>Cactus actinopleus</i> (C.Ehrenb.) Kuntze wfo--0000577643 | 233 | <i>Cactus biglandulosus</i> (Pfeiff.) Kuntze wfo--0000577691 | 65 |
| <i>Cactus aculeatissimus</i> Zeph ex Steud. wfo--0001288058 | 396 | <i>Cactus bihamatus</i> (Pfeiff.) Kuntze wfo--0000577692 | 236 |
| <i>Cactus aeruginosus</i> (Schweidw.) Kuntze wfo--0000577644 | 201 | <i>Cactus bispinus</i> J.M.Coult. wfo--0001288087 | 208 |
| <i>Cactus affinis</i> (DC.) Kuntze wfo--0000577645 | 227 | <i>Cactus bleo</i> Kunth wfo--0000577693..... | 180 |
| <i>Cactus alatus</i> Hook. wfo--0000577648 | 331 | <i>Cactus bleo</i> Torr. wfo--0000577694 | 75 |
| <i>Cactus alatus</i> Sw. wfo--0000577646 | 317 | <i>Cactus bocasanus</i> (Poselg.) J.M.Coult. wfo--0000577695 | 199 |
| <i>Cactus alatus</i> Willd. wfo--0000577647 | 331 | <i>Cactus bockii</i> (C.F.Först.) Kuntze wfo--0000577696 | 219 |
| <i>Cactus albisetosus</i> (Haw.) Spreng. wfo--0000577649 | 406 | <i>Cactus bolivianus</i> Lem. wfo--0000577697 | 396 |
| <i>Cactus albisetus</i> Steud. wfo--0001288059 | 406 | <i>Cactus bonaerensis</i> Larrañaga wfo--0000577698 | 408 |
| <i>Cactus alpinus</i> (Mart.) Kuntze wfo--0000577650..... | 217 | <i>Cactus bonplandii</i> Kunth wfo--0000577700..... | 259 |
| <i>Cactus alteolens</i> (Lem. ex A.Dietr.) Kuntze wfo--0000577651..... | 81 | <i>Cactus bradyus</i> Lehm. wfo--0000577701 | 38 |
| <i>Cactus alternatus</i> J.M.Coult. wfo--0000577652 | 220 | <i>Cactus brandegeei</i> J.M.Coult. wfo--0000577702..... | 200 |
| <i>Cactus amabilis</i> (Ehrenb.) Kuntze wfo--0000577656 | 233 | <i>Cactus brasiliensis</i> Willd. wfo--0000577703 | 33 |
| <i>Cactus ambiguus</i> Bonpl. wfo--0000577657..... | 256 | <i>Cactus brevimamma</i> (Zucc.) Kuntze wfo--0000577704 | 64 |
| <i>Cactus ambiguus</i> Gillies ex Loudon wfo--0000577658..... | 396 | <i>Cactus brevisetus</i> (Ehrenb.) Kuntze wfo--0000577705 | 408 |
| <i>Cactus americanus</i> Vitman wfo--0000577659 | 408 | <i>Cactus broadwayi</i> Britton & Rose wfo--0000577706..... | 242 |
| <i>Cactus amoenus</i> Hoffmanns. wfo--0001288083 | 243 | <i>Cactus brownii</i> (Toumey) Toumey wfo--0001288088..... | 418 |
| <i>Cactus ancistracanthus</i> (Lem.) Kuntze wfo--000057766062 | 204 | <i>Cactus brunneus</i> J.M.Coult. wfo--0000577707 | 62 |
| <i>Cactus ancistrius</i> (Lem.) Kuntze wfo--0000577661 | 204 | <i>Cactus bulbispinus</i> Lem. wfo--0000577708 | 147 |
| <i>Cactus ancistroides</i> (Lem.) Kuntze wfo--0000577662 | 211 | <i>Cactus caesius</i> (H.L.Wendl.) Britton & Rose wfo--0000577709 | 242 |
| <i>Cactus anguineus</i> (Otto) Kuntze wfo--0000577663 | 207 | <i>Cactus caespitius</i> (DC.) Kuntze wfo--0000577711 | 418 |
| <i>Cactus anizogonus</i> Hort.Angl. ex Rümpler wfo--0000577664..... | 344 | <i>Cactus calcaratus</i> (Engelm.) Kuntze wfo--0000577712 | 68 |
| <i>Cactus antonii</i> Britton wfo--0000577665 | 245 | <i>Cactus californicus</i> Torr. & A.Gray wfo--0000577713..... | 74 |
| <i>Cactus arboreus</i> Vell. wfo--0000577667 | 33 | <i>Cactus campechianus</i> Thierry wfo--0001288089 | 259 |
| <i>Cactus areolosus</i> (Lehm.) Kuntze wfo--0000577668 | 11 | <i>Cactus candelaris</i> (Meyen) Meyen wfo--0001288090 | 34 |
| <i>Cactus argenteus</i> (Fennel) Kuntze wfo--0000577669 | 408 | <i>Cactus canescens</i> Moc. & Sessé ex DC. wfo--0000577714 | 229 |
| <i>Cactus atratus</i> (Hook.) Kuntze wfo--0000577670 | 230 | <i>Cactus capillaris</i> J.M.Coult. wfo--0000577715..... | 231 |
| <i>Cactus atroruber</i> (Ehrenb.) Kuntze wfo--0000577671 | 403 | <i>Cactus caripensis</i> Kunth wfo--0000577716..... | 327 |
| <i>Cactus atrosanguineus</i> (Ehrenb.) Kuntze wfo--0000577672 | 233 | <i>Cactus carneus</i> (Zucc. ex Pfeiff.) Kuntze wfo--0000577717 | 201 |
| <i>Cactus aulacanthus</i> (DC.) Kuntze wfo--0000577673 | 403 | <i>Cactus cassythoides</i> Moc. & Sessé ex DC. wfo--0000577719 | 327 |
| <i>Cactus aulacothele</i> (Lem.) Kuntze wfo--0000577674..... | 65 | <i>Cactus caudata</i> Gillies ex Loudon wfo--0000577720..... | 408 |
| <i>Cactus aurantiaca</i> Gillies ex Loudon wfo--0000577675 | 257 | <i>Cactus caudatus</i> Gillies ex Loudon wfo--0001430263 | 408 |
| <i>Cactus aurantiacus</i> Lem. wfo--0001288084..... | 396 | <i>Cactus celsianus</i> (Lem.) Kuntze wfo--0000577722 | 222 |
| | | <i>Cactus centricirrhus</i> (Lem.) Kuntze wfo--0000577723 | 218 |
| | | <i>Cactus centrispinus</i> (Pfeiff.) Kuntze wfo--0000577724 | 229 |
| | | <i>Cactus cephalophorus</i> (Salm-Dyck) Kuntze wfo--0000577725 | 198 |

| | | | |
|--|---------|--|-----|
| <i>Cactus ceratocentrus</i> (Bergman) Kuntze wfo---0001288091 | 64 | <i>Cactus decumanus</i> Willd. wfo---0000577777 | 263 |
| <i>Cactus cespititius</i> (DC.) Kuntze wfo---0001430264 | 228 | <i>Cactus densispinus</i> J.M.Coult. wfo---0000577778 | 205 |
| <i>Cactus chilensis</i> Colla wfo---0000577726 | 273 | <i>Cactus densus</i> (Link & Otto) Kuntze wfo---0000577779 | 207 |
| <i>Cactus chiloensis</i> Colla ex Steud. wfo---0000577727 | 178 | <i>Cactus dentatus</i> Ruiz ex Mart. wfo---0001288145 | 317 |
| <i>Cactus chiloensis</i> Colla wfo---0001430265 | 178 | <i>Cactus depressus</i> (Hook.) Borg wfo---0000577783 | 250 |
| <i>Cactus chinensis</i> Roxb. wfo---0000577728 | 273 | <i>Cactus depressus</i> (Scheidw.) Kuntze wfo---0000577782 | 236 |
| <i>Cactus chloranthus</i> Terán & Berland. wfo---0000577729 | 408 | <i>Cactus depressus</i> DC. wfo---0000577781 | 205 |
| <i>Cactus chlorocarpus</i> Kunth wfo---0000577730 | 34 | <i>Cactus depressus</i> Haw. wfo---0000577780 | 283 |
| <i>Cactus chrysacanthus</i> (Pfeiff.) Kuntze wfo---0000577732 | 231 | <i>Cactus diadema</i> (Muehlenpf.) Kuntze wfo---0000577784 | 219 |
| <i>Cactus cirrhifer</i> (Mart.) Kuntze wfo---0000577733 | 202 | <i>Cactus dillenii</i> Ker Gawl. wfo---0000577785 | 273 |
| <i>Cactus clavatus</i> (Engelm.) Lem. wfo---0000577734 | 148 | <i>Cactus disciformis</i> (DC.) Kuntze wfo---0000577787 | 360 |
| <i>Cactus clavus</i> (Pfeiff.) Kuntze wfo---0000577735 | 65 | <i>Cactus discolor</i> (Haw.) Kuntze wfo---0000577788 | 205 |
| <i>Cactus coccineus</i> Gillies ex Loudon wfo---0000577736 | 80 | <i>Cactus divaricatus</i> (A.Dietr.) Kuntze wfo---0000577790 | 219 |
| <i>Cactus cochenillifer</i> L. wfo---0000577737 | 259 | <i>Cactus divaricatus</i> Lam. wfo---0000577789 | 168 |
| <i>Cactus cochenillifer</i> Moc. & Sessé ex DC. wfo---0000577738 | 408 | <i>Cactus divergens</i> (DC.) Kuntze wfo---0000577791 | 218 |
| <i>Cactus columnaris</i> Moc. & Sessé ex DC. wfo---0000577739 | 209 | <i>Cactus dolichocentrus</i> (Lem.) Kuntze wfo---0000577792 | 227 |
| <i>Cactus communis</i> (W.T.Aiton) Steud. wfo---0000577740 | 244 | <i>Cactus dyckianus</i> (Zucc.) Kuntze wfo---0000577793 | 209 |
| <i>Cactus compactus</i> (Engelm.) Kuntze wfo---0000577741 | 62 | <i>Cactus eborinus</i> (Ehrenb.) Kuntze wfo---0000577794 | 404 |
| <i>Cactus compressus</i> (DC.) Kuntze wfo---0000577744 | 202 | <i>Cactus eburneus</i> (Salm-Dyck) Spreng. wfo---0000577796 | 356 |
| <i>Cactus compressus</i> Salisb. wfo---0000577743 | 263 | <i>Cactus eburneus</i> Link wfo---0000577795 | 356 |
| <i>Cactus conicus</i> (Haw.) Kuntze wfo---0000577745 | 220 | <i>Cactus echinaria</i> (DC.) Kuntze wfo---0001288146 | 207 |
| <i>Cactus conifer</i> (Haw.) Kuntze wfo---0001288740 | 62 | <i>Cactus echinata</i> Kuntze wfo---0000577798 | 207 |
| <i>Cactus conoideus</i> (DC.) Kuntze wfo---0000577746 | 50 | <i>Cactus echinocactoides</i> (Pfeiff.) Kuntze wfo---0000577799 | 50 |
| <i>Cactus conopseus</i> (Scheidw.) Kuntze wfo---0000577747 | 203 | <i>Cactus echinocarpus</i> Lem. wfo---0000577800 | 74 |
| <i>Cactus coquimbans</i> Molina wfo---0000577748 | 396 | <i>Cactus echinus</i> (Engelm.) Kuntze wfo---0000577801 | 63 |
| <i>Cactus coranarius</i> Cav. wfo---0000577749 | 17 | <i>Cactus ehrenbergii</i> (Pfeiff.) Kuntze wfo---0000577802 | 218 |
| <i>Cactus cornifer</i> (DC.) Kuntze wfo---0001430266 | 62 | <i>Cactus elatior</i> (Mill.) Willd. wfo---0000577803 | 261 |
| <i>Cactus cornigerus</i> Moc. & Sessé ex DC. wfo---0000577750 | 140 | <i>Cactus elegans</i> (DC.) Kuntze wfo---0000577805 | 209 |
| <i>Cactus corollarius</i> (Ehrenb.) Kuntze wfo---0000577751 | 418 | <i>Cactus elegans</i> Link wfo---0000577804 | 84 |
| <i>Cactus coronatus</i> (Scheidw.) Kuntze wfo---0000577754 | 50 | <i>Cactus elephantidens</i> (Lem.) Kuntze wfo---0000577806 | 63 |
| <i>Cactus coronatus</i> Lam. wfo---0000577753 | 244 | <i>Cactus elongatus</i> (DC.) Kuntze wfo---0000577809 | 206 |
| <i>Cactus coronatus</i> Willd. wfo---0000577718 | 233 | <i>Cactus elongatus</i> Willd. wfo---0000577807 | 263 |
| <i>Cactus corrugatus</i> (Salm-Dyck) Lem. wfo---0001430267 | 7 | <i>Cactus emoryi</i> (Engelm.) Lem. wfo---0000577810 | 148 |
| <i>Cactus corrugatus</i> Gillies ex Loudon wfo---0000577755 | 8 | <i>Cactus engelmannii</i> (Lem.) Kuntze wfo---0000577811 | 67 |
| <i>Cactus crassispinus</i> (Pfeiff.) Kuntze wfo---0000577756 | 230 | <i>Cactus ensiformis</i> Biden wfo---0000577812 | 388 |
| <i>Cactus crebrispinus</i> (DC.) Kuntze wfo---0000577757 | 50 | <i>Cactus epidendrum</i> L. wfo---0000577813 | 327 |
| <i>Cactus crinitus</i> (DC.) Kuntze wfo---0000577758 | 203 | <i>Cactus erectacanthus</i> (C.F.Först.) Kuntze wfo---0000577814 | 237 |
| <i>Cactus crispatus</i> Moc. & Sessé ex DC. wfo---0000577759 | 351 | <i>Cactus erectus</i> (Lem.) Kuntze wfo---0000577815 | 64 |
| <i>Cactus crocidatus</i> (Lem.) Kuntze wfo---0000577760 | 226 | <i>Cactus eriacanthus</i> (Link & Otto ex Pfeiff.) Kuntze wfo---0000577816 | 207 |
| <i>Cactus cruciformis</i> Arrab. wfo---0001434709 | 176 | <i>Cactus erinaceus</i> Haw. wfo---0000577817 | 283 |
| <i>Cactus cruciformis</i> Vell. wfo---0000577761 | 175 | <i>Cactus eschanzieri</i> J.M.Coult. wfo---0000577818 | 199 |
| <i>Cactus cruciger</i> (Mart.) Kuntze wfo---0000577762 | 204 | <i>Cactus eschauzieri</i> J.M.Coult. wfo---0001288147 | 199 |
| <i>Cactus curassavicus</i> L. wfo---0000577765 | 260 | <i>Cactus euchlora</i> (Ehrenb.) Kuntze wfo---0001430268 | 404 |
| <i>Cactus curvispinus</i> (Otto) Kuntze wfo---0000577767 | 205 | <i>Cactus euchlorus</i> (Ehrenb.) Kuntze wfo---0001288148 | 404 |
| <i>Cactus curvispinus</i> Bertero ex Colla wfo---0000577766 | 115 | <i>Cactus euphorbioides</i> (Haw.) Spreng. wfo---0000577820 | 36 |
| <i>Cactus cylindraceus</i> (DC.) Kuntze wfo---0000577768 | 207 | <i>Cactus eximius</i> (Ehrenb.) Kuntze wfo---0000577821 | 234 |
| <i>Cactus cylindricus</i> J.James wfo---0000577772 | 75 | <i>Cactus exudans</i> (Zucc.) Kuntze wfo---0000577822 | 65 |
| <i>Cactus cylindricus</i> Lam. wfo---0000577769 | 17, 233 | <i>Cactus fascicularis</i> (Meyen) Meyen wfo---0000577823 | 163 |
| <i>Cactus cylindricus</i> Ortega wfo---0000577770 | 233 | <i>Cactus fasciculatus</i> (Engelm.) Kuntze wfo---0000577825 | 92 |
| <i>Cactus cylindricus</i> Vell. wfo---0000577771 | 330 | <i>Cactus fasciculatus</i> Willd. wfo---0000577824 | 327 |
| <i>Cactus dasyacanthus</i> (Engelm.) Kuntze wfo---0000577773 | 129 | <i>Cactus fellneri</i> (Ehrenb.) Kuntze wfo---0000577826 | 418 |
| <i>Cactus dealbatus</i> (A.Dietr.) Kuntze wfo---0000577774 | 211 | <i>Cactus ferox</i> Nutt. wfo---0000577828 | 269 |
| <i>Cactus decipiens</i> (Scheidw.) Kuntze wfo---0000577776 | 204 | <i>Cactus ferox</i> Willd. wfo---0000577827 | 56 |
| | | <i>Cactus ficus</i> Thunb. wfo---0000577830 | 263 |
| | | <i>Cactus ficus-indica</i> L. wfo---0000577831 | 263 |
| | | <i>Cactus fimbriatus</i> (Lam.) Descourt. wfo---0000577834 | 357 |
| | | <i>Cactus fimbriatus</i> Lam. wfo---0000577832 | 357 |

| | | |
|---|---|----------|
| <i>Cactus fimbriatus</i> Moc. & Sessé ex DC. wfo--0000577833 | <i>Cactus haworthianus</i> (Haw.) Kuntze wfo--0000577886 | 408 |
| 180 | <i>Cactus haworthii</i> (DC.) Spreng. wfo--0000577887 | 398 |
| <i>Cactus fischeri</i> (Pfeiff.) Kuntze wfo--0000577835 | <i>Cactus heinei</i> (Ehrenb.) Kuntze wfo--0000577888 | 233 |
| 215 | <i>Cactus helicteres</i> Moc. & Sessé ex DC. wfo--0000577889 | 408 |
| <i>Cactus flagelliformis</i> L. wfo--0000577836 | 408 | |
| 9 | <i>Cactus hemisphaericus</i> Small wfo--0000577890 | 213 |
| <i>Cactus flavescens</i> DC. wfo--0000577837 | 213 | |
| 223 | <i>Cactus heptagonus</i> L. wfo--0000577891 | 357 |
| <i>Cactus flavispinus</i> Colla wfo--0000577838 | 357 | |
| 45 | <i>Cactus heptagonus</i> Vell. wfo--0000577892 | 408 |
| <i>Cactus floribundus</i> (Hook.) Kuntze wfo--0000577839 | 408 | |
| 126 | <i>Cactus hernandezii</i> (DC.) Oken wfo--0000577893 | 274 |
| <i>Cactus foersteri</i> (Muehlenpf.) Kuntze wfo--0000577841 | 274 | |
| 219 | <i>Cactus heterocladus</i> A.St.-Hil. wfo--0000577894 | 33 |
| <i>Cactus foliosus</i> Gillies ex Loudon wfo--0000577843 | 33 | |
| 408 | <i>Cactus heterogonus</i> DC. wfo--0000577895 | 408 |
| <i>Cactus foliosus</i> Willd. wfo--0000577842 | 408 | |
| 406 | <i>Cactus heteromorphus</i> (Sheer) Kuntze wfo--0000577897 | 64 |
| <i>Cactus formosus</i> (Galeotti ex Scheidw.) Kuntze wfo--0000577844 | 64 | |
| 208 | <i>Cactus hexacanthus</i> (Salm-Dyck) Kuntze wfo--0001288093 | 227 |
| <i>Cactus foveolatus</i> (Muehlenpf.) Kuntze wfo--0000577845 | 227 | |
| 219 | <i>Cactus hexagonus</i> L. wfo--0000577898 | 40 |
| <i>Cactus fragilis</i> Nutt. wfo--0000577846 | 40 | |
| 264 | <i>Cactus hexagonus</i> Lam. wfo--0000577899 | 40 |
| <i>Cactus frutescens</i> Moc. & Sessé ex Pfeiff. wfo--0000577847 | 40 | |
| 306 | <i>Cactus hexagonus</i> Vell. wfo--0000577900 | 308 |
| <i>Cactus fulvispinosus</i> (Haw.) Spreng. wfo--0000577848 | 308 | |
| 398 | <i>Cactus hexanthus</i> (Salm-Dyck) Kuntze wfo--0001430270 | 226 |
| <i>Cactus fulvispinus</i> (Haw.) Kuntze wfo--0000577849 | 226 | |
| 231 | <i>Cactus heyderi</i> (Muehlenpf.) Kuntze wfo--0000577901 | 212 |
| <i>Cactus funalis</i> Spreng. wfo--0000577850 | 212 | |
| 330 | <i>Cactus heyderi</i> var. <i>hemisphaericus</i> (Engelm.) J.M.Coult. | |
| <i>Cactus funckii</i> (Scheidw.) Kuntze wfo--0000577852 | 213 | |
| 223 | 213 | |
| <i>Cactus fuscatus</i> (Pfeiff.) Kuntze wfo--0000577853 | <i>Cactus horridus</i> Colla wfo--0000577905 | 115 |
| 231 | 115 | |
| <i>Cactus gabbii</i> Engelm. ex J.M.Coult. wfo--0000577854 | <i>Cactus horridus</i> Kunth wfo--0000577904 | 305 |
| 200 | 305 | |
| <i>Cactus garipensis</i> Kunth wfo--0001288149 | <i>Cactus horridus</i> Salisb. wfo--0000577903 | 274 |
| 327 | 274 | |
| <i>Cactus geminatus</i> (Scheidw.) Kuntze wfo--0000577855 | <i>Cactus humboldtii</i> (Ehrenb.) Kuntze wfo--0000577908 | 214 |
| 214 | 214 | |
| <i>Cactus geminispinus</i> (Haw.) Kuntze wfo--0000577856 | <i>Cactus humboldtii</i> Kunth wfo--0000577907 | 31 |
| 209 | 31 | |
| <i>Cactus gibbosus</i> (Salm-Dyck) Kuntze wfo--0000577858 | <i>Cactus humifusus</i> Raf. wfo--0000577909 | 264 |
| 125 | 264 | |
| <i>Cactus gibbosus</i> Haw. wfo--0000577857 | <i>Cactus humilis</i> Haw. wfo--0000577910 | 274 |
| 153 | 274 | |
| <i>Cactus glabratus</i> (Salm-Dyck) Kuntze wfo--0000577859 | <i>Cactus humilis</i> Lag. wfo--0000577911 | 408 |
| 404 | 408 | |
| <i>Cactus gladiatus</i> (Mart.) Kuntze wfo--0000577860 | <i>Cactus hybridus</i> Van Geel wfo--0000577912 | 391 |
| 218 | 391 | |
| <i>Cactus glanduliger</i> (Otto & A.Dietr.) Kuntze wfo--0000577861 | <i>Cactus hyptiacanthus</i> Lem. ex Steud. wfo--0000577913 | 155 |
| 64 | 155 | |
| <i>Cactus glaucus</i> (A.Dietr.) Kuntze wfo--0000577863 | <i>Cactus hystrix</i> (Mart.) Kuntze wfo--0000577915 | 218 |
| 219 | 218 | |
| <i>Cactus glochidiatus</i> (Mart.) Kuntze wfo--0000577864 | <i>Cactus hystrix</i> Haw. wfo--0001288094 | 357 |
| 211 | 357 | |
| <i>Cactus glomeratus</i> Lam. wfo--0000577865 | <i>Cactus hystrix</i> Salm-Dyck wfo--0000577914 | 357 |
| 228 | 357 | |
| <i>Cactus goodrichii</i> (Engelm.) Kuntze wfo--0001288150 | <i>Cactus icosagonus</i> Kunth wfo--0000577916 | 31 |
| 404 | 31 | |
| <i>Cactus goodridgei</i> (Scheer ex Salm-Dyck) Kuntze wfo--0001430269 | <i>Cactus imbricatus</i> Lem. wfo--0000577918 | 75 |
| 50 | 75 | |
| <i>Cactus goodridgii</i> (Scheer) Kuntze wfo--0000577866 | <i>Cactus incurvus</i> (Scheidw.) Kuntze wfo--0000577919 | 404 |
| 404 | 404 | |
| <i>Cactus gracilis</i> (Mill.) Weston wfo--0001288151 | <i>Cactus indicus</i> Roxb. wfo--0000577920 | 273 |
| 168 | 273 | |
| <i>Cactus gracilis</i> (Pfeiff.) Kuntze wfo--0000577867 | <i>Cactus intertextus</i> (DC.) Kuntze wfo--0000577921 | 207 |
| 236 | 207 | |
| <i>Cactus grahamii</i> (Engelm.) Kuntze wfo--0000577868 | <i>Cactus intortus</i> f. <i>desiradensis</i> Stehlé wfo--0001430271 | 245 |
| 51 | 245 | |
| <i>Cactus grahlianus</i> (F.Haage ex K.Schum.) Kuntze wfo--0000577869 | <i>Cactus intortus</i> f. <i>quentinianus</i> Stehlé wfo--0001430272 | 245 |
| 146 | 245 | |
| <i>Cactus grandicornis</i> (Muehlenpf.) Kuntze wfo--0000577870 | <i>Cactus intortus</i> Mill. wfo--0000577922 | 244 |
| 219 | 244 | |
| <i>Cactus grandiflorus</i> (Otto) Kuntze wfo--0000577872 | <i>Cactus irregularis</i> (DC.) Kuntze wfo--0000577923 | 418 |
| 50 | 418 | |
| <i>Cactus grandiflorus</i> L. wfo--0000577871 | <i>Cactus isabellinus</i> (Ehrenb.) Kuntze wfo--0000577924 | 234 |
| 341 | 234 | |
| <i>Cactus grandifolius</i> (Haw.) Link wfo--0000577875 | <i>Cactus italicus</i> Ten. ex Steud. wfo--0001288096 | 265 |
| 304 | 265 | |
| <i>Cactus granulatus</i> (Meinsh.) Kuntze wfo--0000577876 | <i>Cactus italicus</i> Ten. wfo--0001288095 | 264, 265 |
| 228 | 264, 265 | |
| <i>Cactus griseus</i> (Salm-Dyck) Kuntze wfo--0000577877 | <i>Cactus jamacaru</i> (DC.) Kostel. wfo--0000577925 | 41 |
| 228 | 41 | |
| <i>Cactus guillemianus</i> (Lem.) Kuntze wfo--0000577878 | <i>Cactus jansenianus</i> (Backeb.) Borg wfo--0000577926 | 250 |
| 218 | 250 | |
| <i>Cactus guillemianus</i> (Lem.) Kuntze wfo--0001288152 | <i>Cactus jenkinsonii</i> McIntosh wfo--0000577927 | 388 |
| 218 | 388 | |
| <i>Cactus gummifer</i> (Engelm.) Kuntze wfo--0000577879 | <i>Cactus jucundus</i> (Ehrenb.) Kuntze wfo--0000577929 | 404 |
| 213 | 404 | |
| <i>Cactus haageanus</i> (Pfeiff.) Kuntze wfo--0000577880 | <i>Cactus kageneckii</i> DC. wfo--0001288097 | 408 |
| 211 | 408 | |
| <i>Cactus haematactinus</i> (Ehrenb.) Kuntze wfo--0000577881 | <i>Cactus kagenickii</i> C.C.Gmel. wfo--0000577930 | 164 |
| 418 | 164 | |
| <i>Cactus halei</i> J.M.Coult. wfo--0000577882 | <i>Cactus karwinskianus</i> (Mart.) Kuntze wfo--0000577931 | 214 |
| 51 | 214 | |
| <i>Cactus hamatus</i> (Lehm.) Kuntze wfo--0000577883 | <i>Cactus kleinii</i> (Regel) Kuntze wfo--0000577932 | 404 |
| 404 | 404 | |
| <i>Cactus harlowii</i> Britton & Rose wfo--0000577884 | <i>Cactus klugii</i> (Ehrenb.) Kuntze wfo--0000577933 | 209 |
| 244 | 209 | |
| | <i>Cactus kotschoubeyi</i> Karw. wfo--0001288098 | 10 |

| | | | |
|---|----------|--|----------|
| <i>Cactus kotschubeyi</i> Kuntze wfo--0000577934 | 68 | <i>Cactus maxonii</i> Rose wfo--0000577985 | 243 |
| <i>Cactus krameri</i> (Muehlenpf.) Kuntze wfo--0000577935219 | | <i>Cactus megacanthus</i> (Salm-Dyck) Kuntze wfo-- | |
| <i>Cactus kunthii</i> (Ehrenb.) Kuntze wfo--0000577936 | 211 | 0000577986 | 219 |
| <i>Cactus</i> L. wfo--4000005891 | 3, 197 | <i>Cactus meiacanthus</i> (Engelm.) Kuntze wfo--0000577987 | |
| <i>Cactus lactescens</i> (Meinsh.) Kuntze wfo--0000577937 | 220 | ..... | 213 |
| <i>Cactus laetus</i> Kunth wfo--0000577938 | 12 | <i>Cactus meissneri</i> Kuntze wfo--0000577988 | 210 |
| <i>Cactus lamarkii</i> Colla wfo--0000577940 | 244 | <i>Cactus melaleucus</i> (Karw. ex Salm-Dyck) Kuntze wfo-- | |
| <i>Cactus lanatus</i> Kunth wfo--0000577941 | 133 | 0000577989 | 221 |
| <i>Cactus lanceolatus</i> Haw. wfo--0000577942 | 263 | <i>Cactus melocactoides</i> Hoffmanns. wfo--0000577990 .. | 250 |
| <i>Cactus langsdorfii</i> Lehm. wfo--0000577943 | 287 | <i>Cactus melocactus</i> L. wfo--0000577991 | 241, 242 |
| <i>Cactus lanifer</i> (Haw.) Kuntze wfo--0000577944 | 222 | <i>Cactus melocactus</i> var. <i>communis</i> W.T.Aiton wfo-- | |
| <i>Cactus laniferus</i> (J.M.Coult.) Kuntze wfo--0001288840 | 408 | 0000577992 | 244 |
| <i>Cactus lanuginosus</i> L. wfo--0000577945 | 311 | <i>Cactus melocactus</i> var. <i>depressus</i> Aiton wfo--0001430275 | |
| <i>Cactus lanuginosus</i> var. <i>aureus</i> Colla wfo--0000738858408 |  | ..... | 250 |
| <i>Cactus lasiacanthus</i> (Engelm.) Kuntze wfo--0000577946 | | <i>Cactus melocactus</i> Vell. wfo--0001430276 | 54 |
| ..... | 216 | <i>Cactus mensarum</i> Thiery ex Steud. wfo--0001288102 .. | 408 |
| <i>Cactus lasiacanthus</i> var. <i>denudatus</i> (Engelm.) J.M.Coult. | | <i>Cactus meonacanthus</i> Lem. ex Steud. wfo--0000577994 | |
| wfo--0001430273 | 216 | ..... | 251 |
| <i>Cactus latimamma</i> (DC.) Kuntze wfo--0000577947 | 67 | <i>Cactus micans</i> (A.Dietr.) Kuntze wfo--0000577995 | 212 |
| <i>Cactus latispinus</i> Haw. wfo--0000577948 | 140 | <i>Cactus micracanthus</i> (Miq.) Kuntze wfo--0000577996 .. | 418 |
| <i>Cactus lecchii</i> Colla wfo--0000577950 | 164 | <i>Cactus micranthus</i> Kunth wfo--0000577997 | 330 |
| <i>Cactus lehmannii</i> (Pfeiff.) Kuntze wfo--0000577951 | 218 | <i>Cactus microcephalus</i> (Miq.) Borg wfo--0000577998 .. | 246 |
| <i>Cactus lemairei</i> (Monv. ex Lem.) Britton & Rose wfo-- | | <i>Cactus microceras</i> (Lem.) Kuntze wfo--0000577999 .. | 218 |
| 0000577952 | 245 | <i>Cactus microdasys</i> Lehm. wfo--0000578000 | 267 |
| <i>Cactus leucocentrus</i> (Bergm.) Kuntze wfo--0000577953 | | <i>Cactus micromeris</i> (Engelm.) Kuntze wfo--0000578001 1 11 | |
| ..... | 210 | <i>Cactus micromeris</i> var. <i>greggii</i> (Engelm.) J.M.Coult. wfo-- | |
| <i>Cactus leucodasys</i> (Salm-Dyck) Kuntze wfo--0000577954 | | 0000578002 | 111 |
| ..... | 404 | <i>Cactus microthele</i> Spreng. wfo--0000578003 | 221 |
| <i>Cactus leucodictyus</i> (Link) Kuntze wfo--0000577955 .. | 404 | <i>Cactus minimus</i> (Rchb.) Kuntze wfo--0000578005 | 207 |
| <i>Cactus leucotrichus</i> (Scheidw.) Kuntze wfo--0000577956 | | <i>Cactus miquelii</i> (Lehm.) Borg wfo--0000578006 | 244 |
| ..... | 223 | <i>Cactus mirabilis</i> (Ehrenb.) Kuntze wfo--0000578007 .. | 234 |
| <i>Cactus linkeanus</i> (Ehrenb.) Kuntze wfo--0000577957 .. | 234 | <i>Cactus missouriensis</i> (Sweet) Kuntze wfo--0000578008 130 | |
| <i>Cactus linkii</i> Lehm. wfo--0000577958 | 288 | <i>Cactus missouriensis</i> var. <i>robustior</i> (Engelm.) J.M.Coult. | |
| <i>Cactus lividus</i> (Fennel) Kuntze wfo--0000577959 | 405 | wfo--0000578009 | 130 |
| <i>Cactus longimamma</i> (DC.) Kuntze wfo--0000577961 .. | 217 | <i>Cactus missouriensis</i> var. <i>similis</i> (Engelm.) J.M.Coult. wfo-- | |
| <i>Cactus longisetus</i> (Muehlenpf.) Kuntze wfo--0000577962 | | 0001430277 | 130 |
| ..... | 203 | <i>Cactus mitis</i> (Mill.) Kuntze wfo--0000578010 | 408 |
| <i>Cactus loricatus</i> (Mart.) Kuntze wfo--0000577963 | 66 | <i>Cactus monacanthos</i> Willd. wfo--0000578011 | 267 |
| <i>Cactus lucidus</i> Salisb. wfo--0000577964 | 304 | <i>Cactus moniliformis</i> L. wfo--0000578012 | 56 |
| <i>Cactus ludwigii</i> (Ehrenb.) Kuntze wfo--0000577965 .. | 219 | <i>Cactus moniliformis</i> Lam. wfo--0000578013 | 408 |
| <i>Cactus luteus</i> Thiery ex Steud. wfo--0001288099 | 396 | <i>Cactus monstrosus</i> Willd. wfo--0000745694 | 408 |
| <i>Cactus lyratus</i> Vell. wfo--0000577966 | 170 | <i>Cactus mucronatus</i> (Ehrenb.) Kuntze wfo--0000578015 | |
| <i>Cactus macracanthos</i> Salm-Dyck wfo--0001430274 | 245 | ..... | 418 |
| <i>Cactus macracanthus</i> (DC.) Kuntze wfo--0000577968 .. | 218 | <i>Cactus muehlenpfordtii</i> (C.F.Först.) Kuntze wfo-- | |
| <i>Cactus macracanthus</i> Salm-Dyck wfo--0000577967 | 245 | 0000578016 | 222 |
| <i>Cactus macromeris</i> (Engelm.) Kuntze wfo--0000577969 | 64 | <i>Cactus multangularis</i> Moc. & Sessé ex DC. wfo-- | |
| <i>Cactus macrothele</i> (Mart.) Kuntze wfo--0000577970 | 65 | 0000578019 | 408 |
| <i>Cactus maculatus</i> J.M.Coult. wfo--0000577972 | 62 | <i>Cactus multangularis</i> Voigt ex Steud. wfo--0000578018 | |
| <i>Cactus magnimamma</i> Salm-Dyck ex Steud. wfo-- |  | ..... | 408 |
| 0000577973 | 218 | <i>Cactus multangularis</i> Willd. wfo--0000578017 | 164 |
| <i>Cactus mammillaris</i> L. wfo--0000577975 | 197, 220 | <i>Cactus multiceps</i> (Salm-Dyck) Kuntze wfo--0000578020 | |
| <i>Cactus mammillaris</i> Nutt. wfo--0000577976 | 130 | ..... | 228 |
| <i>Cactus mammillaris</i> var. <i>glaber</i> DC. wfo--0000577977 .. | 220 | <i>Cactus multisectus</i> (Scheidw.) Kuntze wfo--0000578021 | |
| <i>Cactus mammillaris</i> var. <i>lanuginosus</i> DC. wfo-- |  | ..... | 215 |
| 0000577978 | 220 | <i>Cactus mutabilis</i> (Scheidw.) Kuntze wfo--0000578022 .. | 223 |
| <i>Cactus mammillaris</i> var. <i>prolifer</i> Aiton wfo--0000577979 | | <i>Cactus mystax</i> (Mart.) Kuntze wfo--0000578023 | 223 |
| ..... | 220 | <i>Cactus nanus</i> Kunth wfo--0000578024 | 271 |
| <i>Cactus martianus</i> (Pfeiff.) Kuntze wfo--0000577980 | 65 | <i>Cactus napoleonis</i> Loudon wfo--0000578026 | 344 |
| <i>Cactus maschalacanthus</i> (Monv.) Kuntze wfo-- | | <i>Cactus neglectus</i> Dehnh. wfo--0000578027 | 408 |
| 0000577981 | 223 | <i>Cactus neomexicanus</i> (Engelm.) Small wfo--0000578028 | |
| <i>Cactus matanzanus</i> (León) Borg wfo--0000577984 | 249 | ..... | 132 |
| <i>Cactus maximus</i> Colla wfo--0001288101 | 263 | | |

| | |
|---|--|
| <i>Cactus neryi</i> (K.Schum.) Britton & Rose wfo--0000578029 249 | <i>Cactus parvimammus</i> (Haw.) Kuntze wfo--0001288106221 |
| <i>Cactus neumannianus</i> (Lem.) Kuntze wfo--0000578030 219 | <i>Cactus parvispinus</i> Haw. wfo--0000578081..... 245 |
| <i>Cactus niger</i> (Ehrenb.) Kuntze wfo--0000578032 227 | <i>Cactus pazzanii</i> (D.C.Stieber) Kuntze wfo--0000578082219 |
| <i>Cactus niger</i> (Salm-Dyck) Spreng. wfo--0000578031 398 | <i>Cactus pectinatus</i> (Engelm.) Kuntze wfo--0000578083 .. 63 |
| <i>Cactus nigricans</i> (Fennel) Kuntze wfo--0000578034 408 | <i>Cactus pendulinus</i> Sieber ex Baker wfo--0001430283 .. 327 |
| <i>Cactus nigricans</i> Haw. wfo--0000578033 261 | <i>Cactus pendulinus</i> Sieber ex DC. wfo--0000578084..... 327 |
| <i>Cactus niveus</i> (H.L.Wendl.) Kuntze wfo--0000578035 .. 210 | <i>Cactus pendulus</i> Sw. wfo--0000578085 327 |
| <i>Cactus nivosus</i> (Link ex Pfeiff.) Kuntze wfo--0000578037 223 | <i>Cactus pentacanthus</i> (Pfeiff.) Kuntze wfo--0000578086 219 |
| <i>Cactus nobilis</i> (Pfeiff.) Kuntze wfo--0000578041 209 | <i>Cactus pentagonus</i> L. wfo--0000578087 5 |
| <i>Cactus nobilis</i> Haw. wfo--0000578040 160 | <i>Cactus pentagonus</i> Vell. wfo--0000578088 408 |
| <i>Cactus nobilis</i> L. wfo--0000578038..... 140 | <i>Cactus pentlandii</i> Lem. wfo--0000578089 70 |
| <i>Cactus nobilis</i> Lam. wfo--0000578039 408 | <i>Cactus pereskia</i> L. wfo--0000578090 304 |
| <i>Cactus nopal</i> Thierry wfo--0001288103 408 | <i>Cactus persicanus</i> (Ehrenb.) Kuntze wfo--0000578093 418 |
| <i>Cactus notesteinii</i> (Britton) Rydb. wfo--0000578042 130 | <i>Cactus peruvianus</i> DC. wfo--0000578095 40 |
| <i>Cactus nudus</i> (DC.) Kuntze wfo--0000578044 226 | <i>Cactus peruvianus</i> L. wfo--0000578094 42 |
| <i>Cactus nudus</i> Moc. & Sessé ex DC. wfo--0000578043 .. 408 | <i>Cactus peruvianus</i> var. <i>jamaicensis</i> Griseb. wfo-- 0001430284 408 |
| <i>Cactus oaxacensis</i> Britton & Rose wfo--0000578045 243 | <i>Cactus peruvianus</i> var. <i>monstruosus</i> DC. wfo--0001430285 40 |
| <i>Cactus obconella</i> (Scheidw.) Kuntze wfo--0000578046 227 | <i>Cactus pfeifferianus</i> (Vriese) Kuntze wfo--0000578096 .. 62 |
| <i>Cactus obliquus</i> (Ehrenb.) Kuntze wfo--0000578048 418 | <i>Cactus phaeacanthus</i> (Lem.) Kuntze wfo--0000578097 230 |
| <i>Cactus obtusipetalus</i> Britton & Rose wfo--0000578049 242 | <i>Cactus phaeotrichus</i> (Monv.) Kuntze wfo--0000578098408 |
| <i>Cactus obvallatus</i> (Otto) Kuntze wfo--0000578051 221 | <i>Cactus phellospermus</i> (Engelm.) Kuntze wfo--0000578099 53 |
| <i>Cactus obvallatus</i> Moc. & Sessé ex DC. wfo--0000578050 354 | <i>Cactus phyllanthoides</i> DC. wfo--0000578100 84 |
| <i>Cactus octacanthus</i> (DC.) Kuntze wfo--0000578052 65 | <i>Cactus phyllanthus</i> L. wfo--0000578101 110 |
| <i>Cactus octogonus</i> Page ex Steud. wfo--0000578053 40 | <i>Cactus phymatothele</i> (Bergm.) Kuntze wfo--0000578102 219 |
| <i>Cactus odieranus</i> (Lem.) Kuntze wfo--0000578054 230 | <i>Cactus pictus</i> (Meinsh.) Kuntze wfo--0000578104 225 |
| <i>Cactus olorinus</i> (Ehrenb.) Kuntze wfo--0000578055 418 | <i>Cactus pitajaya</i> Jacq. wfo--0000578105 6 |
| <i>Cactus oothele</i> (Lem.) Kuntze wfo--0000578056 227 | <i>Cactus placentiformis</i> Lehm. wfo--0000578106 81 |
| <i>Cactus opuntia</i> Guss. wfo--0000578059 408 | <i>Cactus plaschnickii</i> (Otto) Kuntze wfo--0000578107 65 |
| <i>Cactus opuntia</i> L. wfo--0000578057 263 | <i>Cactus plecostigma</i> (Meinsh.) Kuntze wfo--0000578108 419 |
| <i>Cactus opuntia</i> var. <i>ficus-indica</i> (L.) DC. wfo--0001430278 263 | <i>Cactus pleiocephalus</i> (Regel & Klein bis) Kuntze wfo-- 0000578109 419 |
| <i>Cactus opuntia</i> var. <i>inermis</i> DC. wfo--0000738859 272 | <i>Cactus polyanthos</i> Sims wfo--0000578110 274 |
| <i>Cactus opuntia</i> var. <i>latifolius</i> Risso wfo--0001430279 .. 263 | <i>Cactus polycentrus</i> (A.Berg) Kuntze wfo--0000578111. 233 |
| <i>Cactus opuntia</i> var. <i>nana</i> DC. wfo--0000578060 408 | <i>Cactus polycephalus</i> (Muehlenpf.) Kuntze wfo-- 0000578112 222 |
| <i>Cactus opuntia</i> var. <i>parvifolius</i> Risso wfo--0001430280 267 | <i>Cactus polyedrus</i> (Mart.) Kuntze wfo--0000578114 226 |
| <i>Cactus opuntia</i> var. <i>tuna</i> (L.) DC. wfo--0001430281 274 | <i>Cactus polygonus</i> (Salm-Dyck) Kuntze wfo--0000578116 226 |
| <i>Cactus opuntia</i> var. <i>vulgaris</i> (Mill.) DC. wfo--0001430282 264 | <i>Cactus polygonus</i> Lam. wfo--0000578115 314 |
| <i>Cactus opuntia</i> var. <i>opuntiaeflorus</i> Moc. & Sessé ex Pfeiff. wfo-- 0000578061..... 180 | <i>Cactus polymorphus</i> (Scheer) Kuntze wfo--0000578118 65 |
| <i>Cactus oreas</i> (Miq.) Britton & Rose wfo--0000578062. 249 | <i>Cactus polymorphus</i> Gillies ex Loudon wfo--0000578117 399 |
| <i>Cactus ottonis</i> (Pfeiff.) Kuntze wfo--0000578064 66 | <i>Cactus polythele</i> (Mart.) Kuntze wfo--0000578119 226 |
| <i>Cactus ottonis</i> Lehm. wfo--0000578063 295 | <i>Cactus polytrichus</i> (Salm-Dyck) Kuntze wfo--0000578120 226 |
| <i>Cactus ovatus</i> Gillies ex Loudon wfo--0000578065 362 | <i>Cactus pomaceus</i> (C.Ehrenb.) Kuntze wfo--0000578121 233 |
| <i>Cactus ovimamma</i> (Lem.) Kuntze wfo--0000578066 227 | <i>Cactus pondii</i> (Greene) J.M.Coult. wfo--0000578122 52 |
| <i>Cactus ovooides</i> Lem. wfo--0000578067..... 408 | <i>Cactus portulacifolius</i> L. wfo--0000578123..... 181 |
| <i>Cactus oxypetalus</i> Moc. & Sessé ex DC. wfo--0000578068 110 | <i>Cactus pottsii</i> (Sheer ex Sheer) Kuntze wfo--0000578125 227 |
| <i>Cactus pallescens</i> (Scheidw.) Kuntze wfo--0000578070 201 | <i>Cactus praelii</i> (Muehlenpf.) Kuntze wfo--0000578126. 214 |
| <i>Cactus palmeri</i> J.M.Coult. wfo--0000578071 52 | <i>Cactus pretiosus</i> (Ehrenb.) Kuntze wfo--0000578127 ... 234 |
| <i>Cactus paniculatus</i> Lam. wfo--0000578072 177 | <i>Cactus pringlei</i> J.M.Coult. wfo--0000578128 228 |
| <i>Cactus paradoxus</i> Hornem. wfo--0000578073 33 | <i>Cactus prismaticus</i> (Lem.) Kuntze wfo--0000578131 11 |
| <i>Cactus parasiticus</i> L. wfo--0000578074..... 327 | <i>Cactus prismaticus</i> Desf. wfo--0000578129 409 |
| <i>Cactus parasiticus</i> Lam. wfo--0000578075 327 | |
| <i>Cactus parkinsonii</i> (Ehrenb.) Kuntze wfo--0000578076 224 | |
| <i>Cactus parryi</i> Lem. wfo--0000578077 408 | |
| <i>Cactus parvifolius</i> Ehrh. ex F.Dietr. wfo--0000578078 .. 408 | |
| <i>Cactus parvimamma</i> (Haw.) Kuntze wfo--0000578079. 221 | |

| | | | |
|---|-----|--|----------|
| <i>Cactus prismaticus</i> Willd. wfo--0000578130..... | 6 | <i>Cactus repandus</i> L. wfo--0000578171 | 42 |
| <i>Cactus procerus</i> (Ehrenb.) Kuntze wfo--0000578132 | 11 | <i>Cactus reptans</i> Salm-Dyck ex DC. wfo--0000578173 | 6 |
| <i>Cactus prolifer</i> Willd. ex Pfeiff. wfo--0000578133..... | 409 | <i>Cactus reptans</i> Willd. wfo--0000578172..... | 342 |
| <i>Cactus proliferus</i> Mill. wfo--0000578134 | 228 | <i>Cactus reticulatus</i> Descourt. wfo--0000578175..... | 409 |
| <i>Cactus proliferus</i> var. <i>mammillaris</i> (Mill.) Aiton wfo-- 0001288100..... | 409 | <i>Cactus retusus</i> (Pfeiff.) Kuntze wfo--0000578176 | 67 |
| <i>Cactus proteiformis</i> Desf. wfo--0000578136..... | 409 | <i>Cactus raphidacanthus</i> (Lem.) Kuntze wfo--0000578177 | 62 |
| <i>Cactus pruinosus</i> Monv. ex Steud. wfo--0000578137 ... | 358 | <i>Cactus rhodanthus</i> (Link & Otto) Kuntze wfo--0000578178 | 229 |
| <i>Cactus pseudococcinellifer</i> Bertol. wfo--0001288107 ... | 409 | <i>Cactus rhodanthus</i> var. <i>sulphureospinus</i> J.M.Coult. wfo-- 0000578179 | 231 |
| <i>Cactus pseudococcinillifer</i> Bertol. ex DC. wfo--0000578138 | 409 | <i>Cactus rhodocentrus</i> (Lem.) Kuntze wfo--0000578180227 | 409 |
| <i>Cactus pseudomammillaris</i> Desf. wfo--0000578139..... | 205 | <i>Cactus robustior</i> Small wfo--0000578181..... | 409 |
| <i>Cactus pseudotuna</i> Steud. wfo--0001288108 | 409 | <i>Cactus robustispinus</i> (Schott ex Engelm.) Kuntze wfo-- 0000578182 | 67 |
| <i>Cactus pubescens</i> (H.L.Wendl. ex Pfeiff.) Lem. wfo-- 0000578140..... | 270 | <i>Cactus rosa</i> Vell. wfo--0000578183 | 409 |
| <i>Cactus pugionacanthus</i> (C.F.Först.) Kuntze wfo-- 0000578141..... | 419 | <i>Cactus rosea</i> (Van Houtte) Kuntze wfo--0001430291... .. | 226 |
| <i>Cactus pulchellus</i> (Salm-Dyck) Kuntze wfo--0000578142 | 236 | <i>Cactus roseanus</i> J.M.Coult. wfo--0000578185 | 53 |
| <i>Cactus pulcher</i> (Haw.) Kuntze wfo--0000578143 | 229 | <i>Cactus roseus</i> (Scheidw.) Kuntze wfo--0001288110 | 419 |
| <i>Cactus pulcherrimus</i> (Ehrenb.) Kuntze wfo--0000578144 | 234 | <i>Cactus rotundifolius</i> Moc. & Sessé ex DC. wfo-- 0000578186 | 306 |
| <i>Cactus pulvilliger</i> Kuntze wfo--0000578145..... | 207 | <i>Cactus royenii</i> L. wfo--0000578187..... | 307, 396 |
| <i>Cactus purpureus</i> (Ehrenb.) Kuntze wfo--0000578147 .. | 419 | <i>Cactus rubescens</i> (Salm-Dyck ex DC.) Lem. wfo-- 0001258711 | 56 |
| <i>Cactus pusillus</i> (DC.) Kuntze wfo--0000578150..... | 406 | <i>Cactus rubidulus</i> (Ehrenb.) Kuntze wfo--0001430292 .. | 419 |
| <i>Cactus pusillus</i> DC. wfo--0000578149 | 406 | <i>Cactus rueschianus</i> (Regel) Kuntze wfo--0000578188.. | 409 |
| <i>Cactus pusillus</i> Haw. wfo--0000578148 | 406 | <i>Cactus ruestii</i> (K.Schum.) Britton & Rose wfo--0000578189 | 242 |
| <i>Cactus pycnacanthus</i> (Mart.) Kuntze wfo--0000578151 .. | 67 | <i>Cactus ruficeps</i> (Lem.) Kuntze wfo--0000578190 | 230 |
| <i>Cactus pyramidalis</i> Salm-Dyck wfo--0000578152 | 245 | <i>Cactus rufidulus</i> (Ehrenb.) Kuntze wfo--0000578191 ... | 419 |
| <i>Cactus pyrrhocephalus</i> (Scheidw.) Kuntze wfo-- 0000578153..... | 214 | <i>Cactus rufocroceus</i> (Salm-Dyck) Kuntze wfo--0000578192 | 207 |
| <i>Cactus pyrrhochracanthus</i> (Lem.) Kuntze wfo-- 0001430286..... | 230 | <i>Cactus rutilus</i> (Zucc.) Kuntze wfo--0000578193 | 230 |
| <i>Cactus pyrrhochroacanthus</i> (Lem.) Kuntze wfo-- 0001288109..... | 230 | <i>Cactus salicornioides</i> (Haw.) Link & Otto wfo--0001288111 | 170 |
| <i>Cactus quadrangularis</i> Haw. wfo--0000578154 | 327 | <i>Cactus salicornoides</i> Steud. wfo--0000578194 | 409 |
| <i>Cactus quadrangularis</i> Sessé & Moc. wfo--0000578155 | 409 | <i>Cactus salm-dyckianus</i> (Scheer ex Salm-Dyck) Kuntze wfo-- -0001430293 | 66 |
| <i>Cactus quadratus</i> Gillies ex Loudon wfo--0000578157 .. | 409 | <i>Cactus salmdyckianus</i> (Scheer) Kuntze wfo--0000578197 | 409 |
| <i>Cactus quadrispinus</i> (Mart.) Kuntze wfo--0000578158 .. | 227 | <i>Cactus salmianus</i> Lem. wfo--0000578198 | 409 |
| <i>Cactus radians</i> (DC.) Kuntze wfo--0000578159..... | 62 | <i>Cactus salvador</i> (L.Murillo) Britton & Rose wfo-- 0000578199 | 242 |
| <i>Cactus radians</i> var. <i>pectinoides</i> J.M.Coult. wfo-- 0000578160..... | 63 | <i>Cactus saxatilis</i> (Sheer) Kuntze wfo--0000578200..... | 419 |
| <i>Cactus radians</i> var. <i>alversonii</i> J.M.Coult. wfo-- 0001430287..... | 128 | <i>Cactus scepontocentrus</i> (Lem.) Kuntze wfo--0000578201 | 67 |
| <i>Cactus radians</i> var. <i>arizonicus</i> (Engelm.) J.M.Coult. wfo-- 0001430288..... | 132 | <i>Cactus schaeferi</i> (Fennel) Kuntze wfo--0000578202 ... | 222 |
| <i>Cactus radians</i> var. <i>chloranthus</i> (Engelm.) J.M.Coult. wfo-- -0001430289 | 129 | <i>Cactus scheeri</i> (Muehlenpf.) Kuntze wfo--0000578203 .. | 68 |
| <i>Cactus radians</i> var. <i>deserti</i> (Engelm.) J.M.Coult. wfo-- 0001430290..... | 132 | <i>Cactus scheidweilerianus</i> (Otto) Kuntze wfo--0000578204 | 207 |
| <i>Cactus radians</i> var. <i>neomexicanus</i> (Engelm.) J.M.Coult. wfo--0000578162..... | 132 | <i>Cactus schelhasii</i> (Pfeiff.) Kuntze wfo--0000578205..... | 203 |
| <i>Cactus recurvatus</i> (Engelm.) Kuntze wfo--0000578164 .. | 67 | <i>Cactus schiedeanus</i> (Ehrenb.) Kuntze wfo--0000578206 | 232 |
| <i>Cactus recurvispinus</i> (de Vriese) Kuntze wfo--0000578165 | 64 | <i>Cactus schilinzkyanus</i> (F.Haage ex K.Schum.) Kuntze wfo-- 0000578208 | 146 |
| <i>Cactus recurvus</i> (Lehm.) Kuntze wfo--0000578167..... | 140 | <i>Cactus schlechtendalii</i> (Ehrenb.) Kuntze wfo--0000578209 | 65 |
| <i>Cactus recurvus</i> Mill. wfo--0000578166 | 140 | <i>Cactus scolymoides</i> (Scheidw.) Kuntze wfo--0000578210 | 62 |
| <i>Cactus reductus</i> Link wfo--0000578168 | 160 | <i>Cactus scolymoides</i> var. <i>sulcatus</i> (Engelm.) J.M.Coult. wfo-- -0001430294 | 68 |
| <i>Cactus regalis</i> Spreng. wfo--0000578169..... | 40 | <i>Cactus scopia</i> Link wfo--0000578211 | 409 |
| <i>Cactus regius</i> (Ehrenb.) Kuntze wfo--0000578170 | 236 | | |

| | | | |
|--|-----|---|-----|
| <i>Cactus scopa</i> Spreng. wfo--0000578212 | 298 | <i>Cactus subechinatus</i> (Salm-Dyck) Kuntze wfo-- | |
| <i>Cactus seemanii</i> (Sheer) Kuntze wfo--0000578213 | 409 | 0000578263 | 207 |
| <i>Cactus seidelii</i> (Tersch.) Kuntze wfo--0000578214 | 419 | <i>Cactus subinermis</i> Link ex Steud. wfo--0000578264 | 259 |
| <i>Cactus seitzianus</i> (Mart.) Kuntze wfo--0000578215 | 405 | <i>Cactus subpolyedrus</i> (Salm-Dyck) Kuntze wfo-- | |
| <i>Cactus sempervivi</i> (DC.) Kuntze wfo--0000578216 | 208 | 0000578265 | 214 |
| <i>Cactus senilis</i> (Lodd. ex Salm-Dyck) Kuntze wfo-- | | <i>Cactus subquadriflorus</i> Moc. & Sessé ex DC. wfo-- | |
| 0000578219 | 232 | 0000578266 | 76 |
| <i>Cactus senilis</i> Haw. wfo--0000578218 | 38 | <i>Cactus subrepandus</i> (Haw.) Spreng. wfo--0000578267 | 399 |
| <i>Cactus sepium</i> Kunth wfo--0000578220 | 32 | <i>Cactus subtetragonus</i> (A.Dietr.) Kuntze wfo--0000578268 | |
| <i>Cactus sepium</i> Larrañaga wfo--0000578221 | 409 | ..... | 201 |
| <i>Cactus sericeus</i> Gillies ex Loudon wfo--0000578222 | 409 | <i>Cactus subulifer</i> (Ehrenb.) Kuntze wfo--0000578269 ... | 419 |
| <i>Cactus serpens</i> Kunth wfo--0000578223 | 31 | <i>Cactus sulcatus</i> (Engelm.) Small wfo--0000578271 | 68 |
| <i>Cactus serpentinus</i> Lag. & Rodr. wfo--0000578224 | 256 | <i>Cactus sulcolanatus</i> (Lem.) Kuntze wfo--0000578272 | 64 |
| <i>Cactus serpentinus</i> Pers. wfo--0000578225 | 409 | <i>Cactus sulphureus</i> Gillies ex Loudon wfo--0000578273 | 273 |
| <i>Cactus setispinus</i> Engelm. ex J.M.Coult. wfo--0000578226 | | <i>Cactus supertextus</i> (Mart. ex Pfeiff.) Kuntze wfo-- | |
| ..... | 53 | 0000578274 | 236 |
| <i>Cactus setosus</i> (Pfeiff.) Kuntze wfo--0000578227 | 227 | <i>Cactus sylvestris</i> Thiery ex Steud. wfo--0001288113 | 409 |
| <i>Cactus severinii</i> (Regel & Klein bis) Kuntze wfo-- | | <i>Cactus tamaulipensis</i> Terán & Berland. wfo--0000578275 | |
| 0000578229 | 409 | ..... | 409 |
| <i>Cactus similis</i> (Engelm.) Small wfo--0000578230 | 130 | <i>Cactus tectus</i> (Miq.) Kuntze wfo--0000578276 | 419 |
| <i>Cactus smithii</i> Alexander wfo--0000578231 | 250 | <i>Cactus tentaculatus</i> (Pfeiff.) Kuntze wfo--0000578277 | 230 |
| <i>Cactus solitarius</i> Gillies ex Loudon wfo--0000578232 | 409 | <i>Cactus tenuis</i> (DC.) Kuntze wfo--0000578278 | 206 |
| <i>Cactus sororius</i> (Meensch.) Kuntze wfo--0000578233 | 213 | <i>Cactus teres</i> Larrañaga wfo--0000578280 | 409 |
| <i>Cactus speciosissimus</i> Desf. wfo--0000578234 | 85 | <i>Cactus teres</i> Vell. wfo--0000578279 | 332 |
| <i>Cactus speciosissimus</i> var. <i>lateritius</i> Croat wfo-- | | <i>Cactus testudinis-crus</i> (F.A.C.Weber) Thierry de Menonville | |
| 0000738861 | 409 | wfo--0001288995 | 409 |
| <i>Cactus speciosus</i> Cav. wfo--0000578235 | 85 | <i>Cactus tetraacanthus</i> (Salm-Dyck ex Pfeiff.) Kuntze wfo-- | |
| <i>Cactus speciosus</i> Desf. wfo--0000578236 | 409 | 0000578282 | 227 |
| <i>Cactus speciosus</i> Hook. wfo--0000578237 | 409 | <i>Cactus tetracentrus</i> (Salm-Dyck) Kuntze wfo--0000578283 | |
| <i>Cactus speciosus</i> var. <i>grandiflorus</i> Macloskie wfo-- |  | ..... | 209 |
| 0000738862 | 409 | <i>Cactus tetragonus</i> L. wfo--0000578284 | 5 |
| <i>Cactus spectabilis</i> (Muehlenpf.) Kuntze wfo--0000578238 | | <i>Cactus tetrancistrus</i> (Engelm.) J.M.Coult. wfo-- | |
| ..... | 419 | 0000578285 | 53 |
| <i>Cactus sphacelatus</i> (Mart.) Kuntze wfo--0000578240 | 233 | <i>Cactus texanus</i> (Engelm.) Small wfo--0000578286 | 228 |
| <i>Cactus sphaericus</i> (A.Dietr.) Kuntze wfo--0000578241 | 233 | <i>Cactus texensis</i> (Labour.) Kuntze wfo--0000578287 | 213 |
| <i>Cactus sphaerotrachus</i> (Lem.) Kuntze wfo--0000578242 | | <i>Cactus tomentosus</i> (Ehrenb.) Kuntze wfo--0000578289235 | |
| ..... | 409 | <i>Cactus tomentosus</i> Link wfo--0000578288 | 274 |
| <i>Cactus spinaureus</i> (Salm-Dyck) Kuntze wfo--0000578243 | | <i>Cactus torquatus</i> Walp. wfo--0000578290 | 329 |
| ..... | 419 | <i>Cactus townsendii</i> Britton & Rose wfo--0000578291 ... | 250 |
| <i>Cactus spini</i> Colla wfo--0000578244 | 205 | <i>Cactus triacanthos</i> Willd. wfo--0000578293 | 274 |
| <i>Cactus spinosissimus</i> (Lem.) Kuntze wfo--0000578246 | 233 | <i>Cactus triacanthus</i> (DC.) Kuntze wfo--0000578294 | 202 |
| <i>Cactus spinosissimus</i> Martyn wfo--0000578245 | 56 | <i>Cactus triangularis</i> L. wfo--0000578295 | 344 |
| <i>Cactus spinosus</i> Gillies ex Loudon wfo--0000578247 | 409 | <i>Cactus triangularis</i> var. <i>aphyllus</i> Jacq. wfo--0000738584 | |
| <i>Cactus spiriformis</i> Colla wfo--0000578248 | 409 | ..... | 409 |
| <i>Cactus splendidus</i> Thierry wfo--0001288112 | 409 | <i>Cactus triangularis</i> var. <i>foliaceus</i> Jacq. wfo--0000738585 | |
| <i>Cactus squarrosus</i> (Meensch.) Kuntze wfo--0000578249 |  | ..... | 409 |
| ..... | 203 | <i>Cactus triangularis</i> var. <i>variegatus</i> Bertol. wfo-- | |
| <i>Cactus stella-aurata</i> (Mart.) Kuntze wfo--0000578251 | 207 | 0001430296 | 344 |
| <i>Cactus stellaris</i> Salm-Dyck wfo--0000578252 | 228 | <i>Cactus triangularis</i> Vell. wfo--0000578296 | 344 |
| <i>Cactus stellatus</i> var. <i>texanus</i> (Engelm.) J.M.Coult. wfo-- | | <i>Cactus triangularis</i> Vell. wfo--0001430297 | 344 |
| 0001430295 | 228 | <i>Cactus trichotomus</i> Tenore ex Steud. wfo--0001288114 | |
| <i>Cactus stellatus</i> Willd. wfo--0000578253 | 228 | ..... | 170 |
| <i>Cactus stenocephalus</i> (Scheidw.) Kuntze wfo--0000578254 | | <i>Cactus triflorus</i> Larrañaga wfo--0000578297 | 409 |
| ..... | 231 | <i>Cactus triqueter</i> Haw. wfo--0000578298 | 344 |
| <i>Cactus stramineus</i> Spreng. wfo--0000578255 | 223 | <i>Cactus triqueter</i> Vell. wfo--0000578300 | 331 |
| <i>Cactus strictus</i> Haw. wfo--0000578256 | 272 | <i>Cactus triqueter</i> Willd. wfo--0000578299 | 409 |
| <i>Cactus strictus</i> Willd. wfo--0000578257 | 399 | <i>Cactus truncatus</i> (Haw.) Link wfo--0000578301 | 335 |
| <i>Cactus strobiliformis</i> (Sheer) Kuntze wfo--0000578258 | 129 | <i>Cactus tuberculatus</i> Willd. wfo--0000578302 | 266 |
| <i>Cactus stueberi</i> (Otto) Kuntze wfo--0000578259 | 230 | <i>Cactus tuberculosus</i> (Engelm.) Kuntze wfo--0000578305 | |
| <i>Cactus subangularis</i> (DC.) Kuntze wfo--0000578260 | 202 | ..... | 129 |
| <i>Cactus subcroceus</i> (DC.) Kuntze wfo--0000578261 | 206 | <i>Cactus tuna</i> L. wfo--0000578306 | 274 |
| <i>Cactus subcurvatus</i> Kuntze wfo--0000578262 | 409 | <i>Cactus tuna</i> var. <i>elatior</i> (Mill.) Sims wfo--0000578307 | 261 |

| | |
|---|-----|
| <i>Cactus tuna</i> var. <i>flava</i> Sims wfo--0000578308..... | 274 |
| <i>Cactus tuna</i> var. <i>major</i> Roxb. wfo--0000738586..... | 409 |
| <i>Cactus tuna</i> var. <i>nigricans</i> (Haw.) Sims wfo--0000578309..... | 261 |
| <i>Cactus tunicatus</i> Lehm. wfo--0000578310..... | 78 |
| <i>Cactus tunicatus</i> Lehm. wfo--0001430298..... | 78 |
| <i>Cactus turbinatus</i> (Hook.) Kuntze wfo--0001288115..... | 360 |
| <i>Cactus uberiformis</i> (Zucc. ex Pfeiff.) Kuntze wfo--0000578311..... | 217 |
| <i>Cactus umbrinus</i> (Ehrenb.) Kuntze wfo--0000578312..... | 234 |
| <i>Cactus uncinatus</i> (Zucc. ex Pfeiff.) Kuntze wfo--0000578313..... | 236 |
| <i>Cactus undulosus</i> Kostel. wfo--0000578315..... | 39 |
| <i>Cactus urinarius</i> Sessé & Moc. wfo--0000578316..... | 409 |
| <i>Cactus urumbaba</i> Vell. wfo--0000578317..... | 267 |
| <i>Cactus variamamma</i> (Ehrenb.) Kuntze wfo--0000578318..... | 409 |
| <i>Cactus ventricosus</i> Larrañaga wfo--0000578319..... | 409 |
| <i>Cactus versicolor</i> (Scheidw.) Kuntze wfo--0000578320..... | 218 |
| <i>Cactus verticillatus</i> Brot. ex Heynh. wfo--0001288116..... | 409 |
| <i>Cactus vetulus</i> (Mart.) Kuntze wfo--0000578321..... | 236 |
| <i>Cactus villifer</i> (Otto) Kuntze wfo--0000578322..... | 201 |
| <i>Cactus villosus</i> Monv. wfo--0000578323..... | 128 |
| <i>Cactus virens</i> (Scheidw.) Kuntze wfo--0000578324..... | 214 |
| <i>Cactus viridis</i> (Salm-Dyck) Kuntze wfo--0000578326..... | 214 |
| <i>Cactus viviparus</i> Nutt. wfo--0000578327..... | 132 |
| <i>Cactus voburnensis</i> (Scheer) Kuntze wfo--0001288117..... | 214 |
| <i>Cactus vrieseanus</i> Kuntze wfo--0000578328..... | 409 |
| <i>Cactus vulpinus</i> (Ehrenb.) Kuntze wfo--0000578329..... | 234 |
| <i>Cactus webbians</i> (Lem.) Kuntze wfo--0000578330..... | 227 |
| <i>Cactus wegneri</i> (Ehrenb.) Kuntze wfo--0000578331..... | 419 |
| <i>Cactus wildianus</i> (Otto) Kuntze wfo--0000578332..... | 211 |
| <i>Cactus winkleri</i> (C.F.Först.) Kuntze wfo--0000578333..... | 67 |
| <i>Cactus woburnensis</i> (Scheer) Kuntze wfo--0000578334..... | 215 |
| <i>Cactus wrightii</i> (Engelm.) Kuntze wfo--0000578335..... | 54 |
| <i>Cactus xanthotrichus</i> (Scheidw.) Kuntze wfo--0000578336..... | 223 |
| <i>Cactus zegschwitzii</i> (Pfeiff.) Kuntze wfo--0000578337..... | 409 |
| <i>Cactus zehntneri</i> Britton & Rose wfo--0000578338..... | 251 |
| <i>Cactus zephyranthodes</i> (Scheidw.) Kuntze wfo--0000578339..... | 237 |
| <i>Cactus zepnickii</i> (Ehrenb.) Kuntze wfo--0000578340..... | 419 |
| <i>Cactus zinniflorus</i> Moc. & Sessé ex DC. wfo--0000578341..... | 409 |
| <i>Cactus zuccarinii</i> (Miq.) Borg wfo--0000578342..... | 245 |
| <i>Calymmanthium</i> F.Ritter wfo--4000006272..... | 35 |
| <i>Calymmanthium fertile</i> F.Ritter wfo--0000581946..... | 35 |
| <i>Calymmanthium fertile</i> F.Ritter wfo--0001430299..... | 35 |
| <i>Calymmanthium substerile</i> F.Ritter wfo--0000581947..... | 35 |
| <i>Calymmanthium substerile</i> subsp. <i>fertile</i> (F.Ritter) Guiggi wfo--0001430300..... | 35 |
| <i>Carnegiea</i> Britton & Rose wfo--4000006751..... | 35 |
| <i>Carnegiea euphorbioides</i> (Haw.) Backeb. wfo--0000588143..... | 36 |
| <i>Carnegiea euphorbioides</i> var. <i>olfersii</i> (Salm-Dyck) P.V.Heath wfo--0000588144..... | 36 |
| <i>Carnegiea fulviceps</i> (F.A.C.Weber ex K.Schum.) P.V.Heath wfo--0000588146..... | 36 |
| <i>Carnegiea gigantea</i> (Engelm.) Britton & Rose wfo--0000588147..... | 35 |
| <i>Carnegiea gigantea</i> f. <i>aberrans</i> P.V.Heath wfo--0000588148..... | 409 |
| <i>Carnegiea gigantea</i> f. <i>cristata</i> P.V.Heath wfo--0000588149..... | 35 |
| <i>Carnegiea laui</i> P.V.Heath wfo--0000588150..... | 37 |
| <i>Carnegiea macrocephala</i> (F.A.C.Weber ex K.Schum.) P.V.Heath wfo--0000588151..... | 37 |
| <i>Carnegiea mezcalaensis</i> (Bravo) P.V.Heath wfo--0000588153..... | 37 |
| <i>Carnegiea mezcalaensis</i> var. <i>multiareolata</i> (E.Y.Dawson) P.V.Heath wfo--0000588154..... | 37 |
| <i>Carnegiea nova</i> P.V.Heath wfo--0000588155..... | 37 |
| <i>Carnegiea polylopha</i> (DC.) D.R.Hunt wfo--0000588156..... | 37 |
| <i>Carnegiea polylopha</i> (DC.) P.V.Heath wfo--0000588157..... | 37 |
| <i>Carnegiea scoparia</i> (Poselg.) P.V.Heath wfo--0000588158..... | 37 |
| <i>Carnegiea squamulosa</i> (Scheinvar & Sánchez-Mej.) P.V.Heath wfo--0000588159..... | 37 |
| <i>Carnegiea</i> subg. <i>Rooksbya</i> Backeb. wfo--3500004020..... | 35 |
| <i>Carnegiea tetetzo</i> (F.A.C.Weber ex J.M.Coult.) P.V.Heath wfo--0000588161..... | 38 |
| <i>Carnegiea tetetzo</i> var. <i>nuda</i> (E.Y.Dawson) P.V.Heath wfo--0000588160..... | 37 |
| <i>Carpophyllus</i> Neck. wfo--4000042530..... | 304 |
| <i>Cassytha baccifera</i> Sol. ex J.S.Muell. wfo--0001430301..... | 327 |
| <i>Cassytha filiformis</i> Mill. wfo--0001430302..... | 327 |
| <i>Cassytha</i> Mill. wfo--4000006921..... | 326 |
| <i>Cassytha polysperma</i> Aiton ex Gaertn. wfo--0001430303..... | 327 |
| <i>Castellanosia caineana</i> Cárdenas wfo--0000589974..... | 35 |
| <i>Castellanosia</i> Cárdenas wfo--4000006939..... | 35 |
| <i>Cephalocereus albispinus</i> (Salm-Dyck) Borg wfo--0000594663..... | 397 |
| <i>Cephalocereus alensis</i> (F.A.C.Weber) Britton & Rose wfo--0000594664..... | 307 |
| <i>Cephalocereus apicicephalum</i> E.Y.Dawson wfo--0000594665..... | 36 |
| <i>Cephalocereus arrabidaei</i> (Lem.) Britton & Rose wfo--0000594666..... | 308 |
| <i>Cephalocereus arrabidaei</i> var. <i>tilophorus</i> (Pfeiff.) Borg wfo--0000594667..... | 308 |
| <i>Cephalocereus atroviridis</i> (Backeb.) Borg wfo--0000594669..... | 42 |
| <i>Cephalocereus aurisetus</i> (Werderm.) Werderm. ex Borg wfo--0000594670..... | 308 |
| <i>Cephalocereus backebergii</i> (Weing.) Borg wfo--0000594671..... | 312 |
| <i>Cephalocereus bahamensis</i> Britton wfo--0000594672..... | 314 |
| <i>Cephalocereus bakeri</i> Britton & Rose wfo--0000594673..... | 314 |
| <i>Cephalocereus barbadensis</i> Britton & Rose wfo--0000594674..... | 310 |
| <i>Cephalocereus blossfeldiorum</i> Werderm. wfo--0000594675..... | 133 |
| <i>Cephalocereus bradei</i> (Backeb. & Voll) Borg wfo--0000594676..... | 44 |
| <i>Cephalocereus brasiliensis</i> Britton & Rose wfo--0000594677..... | 308 |
| <i>Cephalocereus brooksianus</i> Britton & Rose wfo--0000594678..... | 309 |
| <i>Cephalocereus californicus</i> (Torr. & A.Gray) K.Schum. wfo--0000594680..... | 74 |
| <i>Cephalocereus catiingicola</i> (Gürke) Britton & Rose wfo--0000594681..... | 309 |

| | | | |
|---|-----|--|-----|
| <i>Cephalocereus chrysacanthus</i> (F.A.C.Weber ex K.Schum.) Britton & Rose wfo--0000594682..... | 309 | <i>Cephalocereus lanuginosus</i> (L.) Britton & Rose wfo-- 0000594716..... | 311 |
| <i>Cephalocereus chrysacanthus</i> f. <i>cristatus</i> P.V.Heath wfo-- 0000594683..... | 409 | <i>Cephalocereus lehmannianus</i> Werderm. wfo-- 0000594717..... | 252 |
| <i>Cephalocereus chrysomallus</i> (Lem.) K.Schum. wfo-- 0000594684..... | 278 | <i>Cephalocereus leucocephalus</i> (Poselg.) Britton & Rose wfo-- --0000594718..... | 311 |
| <i>Cephalocereus chrysostele</i> (Vaupel) Borg wfo-- 0000594685..... | 309 | <i>Cephalocereus leucocephalus</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001430304..... | 312 |
| <i>Cephalocereus claroviridis</i> (Backeb.) Borg wfo-- 0000594686..... | 312 | <i>Cephalocereus leucocephalus</i> var. <i>actopanensis</i> Rol.-Goss. ex Bois wfo--0001430305..... | 312 |
| <i>Cephalocereus collinsii</i> Britton & Rose wfo--0000594687 | 309 | <i>Cephalocereus leucostele</i> (Gürke) Britton & Rose wfo-- 0000594719..... | 359 |
| <i>Cephalocereus colombianus</i> Rose wfo--0001288120..... | 310 | <i>Cephalocereus luetzelburgii</i> (Vaupel) Borg wfo-- 0000594720..... | 359 |
| <i>Cephalocereus columna</i> (Karw. ex Pfeiff.) K.Schum. wfo-- 0000594689..... | 36 | <i>Cephalocereus machrisii</i> E.Y.Dawson wfo--0000594721 | 312 |
| <i>Cephalocereus columna-trajani</i> (Karw. ex Pfeiff.) K.Schum. wfo--0000594690..... | 36 | <i>Cephalocereus macrocephalus</i> F.A.C.Weber ex K.Schum. wfo--0000594723..... | 37 |
| <i>Cephalocereus cometes</i> (Scheidw.) Britton & Rose wfo-- 0000594691..... | 311 | <i>Cephalocereus maguirei</i> Gilly wfo--0001289050..... | 410 |
| <i>Cephalocereus cuyabensis</i> (Backeb.) Borg wfo-- 0000594692..... | 312 | <i>Cephalocereus maxonii</i> Rose wfo--0000594724..... | 311 |
| <i>Cephalocereus dautwitzii</i> (F.Haage ex Anon.) Houghton wfo--0001289036..... | 133 | <i>Cephalocereus melanostele</i> Vaupel wfo--0000594725..... | 134 |
| <i>Cephalocereus dautwitzii</i> (Seitz) Voss wfo--0000594693 | 410 | <i>Cephalocereus melocactus</i> K.Schum. wfo--0000594726..... | 54 |
| <i>Cephalocereus deeringii</i> Small wfo--0000594694..... | 314 | <i>Cephalocereus mezcalaensis</i> Bravo wfo--0000594727..... | 37 |
| <i>Cephalocereus delaetii</i> Gürke wfo--0000594695..... | 95 | <i>Cephalocereus mezcalaensis</i> var. <i>multiareolatus</i> E.Y.Dawson wfo--0000594728..... | 37 |
| <i>Cephalocereus dybowski</i> (Rol.-Goss.) Britton & Rose wfo-- 0000594696..... | 135 | <i>Cephalocereus mezcalaensis</i> var. <i>robustus</i> E.Y.Dawson wfo--0001430306..... | 37 |
| <i>Cephalocereus euphorbioides</i> (Haw.) Britton & Rose wfo-- 0000594697..... | 36 | <i>Cephalocereus militaris</i> (Audot) H.E.Moore wfo-- 0000594729..... | 278 |
| <i>Cephalocereus exerens</i> (K.Schum.) L.H.Bailey wfo-- 0000594698..... | 308 | <i>Cephalocereus millspaughii</i> Britton wfo--0000594730..... | 312 |
| <i>Cephalocereus fluminensis</i> (Miq.) Britton & Rose wfo-- 0000594699..... | 54 | <i>Cephalocereus minensis</i> (Werderm.) L.Y.Dawson wfo-- 0000594731..... | 44 |
| <i>Cephalocereus fouachianus</i> Quehl wfo--0001288121..... | 410 | <i>Cephalocereus monoclonos</i> (DC.) Britton & Rose wfo-- 0000594733..... | 398 |
| <i>Cephalocereus fricii</i> (Backeb.) Borg wfo--0000594702..... | 40 | <i>Cephalocereus moritzianus</i> (Otto) Britton & Rose wfo-- 0000594734..... | 312 |
| <i>Cephalocereus fulviceps</i> (F.A.C.Weber ex K.Schum.) H.E.Moore wfo--0000594703..... | 36 | <i>Cephalocereus multiareolatus</i> (E.Y.Dawson) H.J.Tapia & S.Arias wfo--0001430307..... | 37 |
| <i>Cephalocereus gaumeri</i> Britton & Rose wfo--0000594704 | 311 | <i>Cephalocereus nizandensis</i> (Bravo & T.MacDoug.) Buxb. wfo--0000594735..... | 37 |
| <i>Cephalocereus glaucescens</i> (Labour.) Borg wfo-- 0000594705..... | 313 | <i>Cephalocereus nobilis</i> (Haw.) Britton & Rose wfo-- 0000594736..... | 398 |
| <i>Cephalocereus glaucochrous</i> (Werderm.) Borg wfo-- 0000594706..... | 311 | <i>Cephalocereus nobilis</i> f. <i>cristatus</i> P.V.Heath wfo-- 0000594737..... | 410 |
| <i>Cephalocereus gounellei</i> (F.A.C.Weber ex K.Schum.) Britton & Rose wfo--0000594707..... | 387 | <i>Cephalocereus nobilis</i> var. <i>curtisii</i> (Otto) Borg wfo-- 0000594738..... | 310 |
| <i>Cephalocereus guentheri</i> Kupper wfo--0000594708..... | 377 | <i>Cephalocereus nobilis</i> var. <i>nigricans</i> Borg wfo-- 0000594739..... | 410 |
| <i>Cephalocereus guerreroni</i> (Backeb.) Buxb. wfo-- 0000594709..... | 307 | <i>Cephalocereus nudus</i> E.Y.Dawson wfo--0000594740..... | 37 |
| <i>Cephalocereus hapalacanthus</i> (Werderm.) Borg wfo-- 0000594710..... | 309 | <i>Cephalocereus oligolepis</i> (Vaupel) Borg wfo--0000594741 | 313 |
| <i>Cephalocereus hermentianus</i> (Monv. ex Lem.) Britton & Rose wfo--0000594711..... | 422 | <i>Cephalocereus palmeri</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001430308..... | 312 |
| <i>Cephalocereus hoppenstedtii</i> (Roetzl ex Rümpler) K.Schum. wfo--0000594713..... | 36 | <i>Cephalocereus palmeri</i> Rose wfo--0000594742..... | 312 |
| <i>Cephalocereus johansenii</i> Frič wfo--0001289046..... | 410 | <i>Cephalocereus palmeri</i> var. <i>sartorianus</i> (Rose) Krainz wfo-- -0000738588..... | 312 |
| <i>Cephalocereus kanukuensis</i> Alexander wfo--0000594714 | 311 | <i>Cephalocereus parvispinus</i> S.Arias, H.J.Tapia & U.Guzmán wfo--0001430309..... | 37 |
| <i>Cephalocereus keyensis</i> Britton & Rose wfo--0000594715 | 314 | <i>Cephalocereus pasacanus</i> (F.A.C.Weber ex Rümpler) F.A.C.Weber wfo--0001289062..... | 178 |
| | | <i>Cephalocereus pasacanus</i> (F.A.C.Weber ex Rümpler) K.Schum. wfo--0000594744..... | 178 |

| | | | |
|---|-----|---|--------|
| <i>Cephalocereus penicillatus</i> (Gürke) Werderm. wfo-- 0000594745..... | 13 | <i>Cephalocereus smithianus</i> Britton & Rose wfo-- 0000594774..... | 316 |
| <i>Cephalocereus pentaedrophorus</i> (Labour.) Britton & Rose wfo--0000594746..... | 313 | <i>Cephalocereus strausii</i> (Heese) Houghton wfo-- 0000594776..... | 47 |
| <i>Cephalocereus perlucens</i> (K.Schum.) Borg wfo-- 0000594747..... | 40 | <i>Cephalocereus strictus</i> (DC.) Borg wfo--0000594777 ... | 399 |
| <i>Cephalocereus Pfeiff.</i> wfo--4000007246..... | 35 | <i>Cephalocereus</i> subg. <i>Mitrocereus</i> Backeb. wfo-- 3500004018..... | 35 |
| <i>Cephalocereus phaeacanthus</i> (Gürke) Britton & Rose wfo-- -0000594748..... | 33 | <i>Cephalocereus swartzii</i> (Griseb.) Britton & Rose wfo-- 0000594778..... | 357 |
| <i>Cephalocereus piauhyensis</i> (Gürke) Britton & Rose wfo-- 0000594749..... | 313 | <i>Cephalocereus tehuacanus</i> (Weing.) Borg wfo-- 0000594779..... | 312 |
| <i>Cephalocereus polyanthus</i> Werderm. wfo--0000594750 | 252 | <i>Cephalocereus tetazo</i> (F.A.C.Weber ex J.M.Coult.) Diguet wfo--0001289075..... | 38 |
| <i>Cephalocereus polygonus</i> (Lam.) Britton & Rose wfo-- 0000594751..... | 314 | <i>Cephalocereus tetetzo</i> (F.A.C.Weber ex J.M.Coult.) Diguet wfo--0000594780..... | 38 |
| <i>Cephalocereus polylophus</i> (DC.) Britton & Rose wfo-- 0000594752..... | 37 | <i>Cephalocereus tetetzo</i> (F.A.C.Weber ex K.Schum.) Vaupel wfo--0001288127..... | 38 |
| <i>Cephalocereus purpureus</i> Gürke wfo--0000594754..... | 252 | <i>Cephalocereus tetetzo</i> var. <i>nudus</i> E.Y.Dawson wfo-- 0000594781..... | 37 |
| <i>Cephalocereus purpusii</i> Britton & Rose wfo--0000594755 | 314 | <i>Cephalocereus totalapensis</i> (Bravo & T.MacDoug.) Buxb. wfo--0000594782..... | 38 |
| <i>Cephalocereus quadricentralis</i> E.Y.Dawson wfo-- 0000594756..... | 314 | <i>Cephalocereus tweedyanus</i> Britton & Rose wfo-- 0000594783..... | 310 |
| <i>Cephalocereus remolinensis</i> (Backeb.) Borg wfo-- 0000594757..... | 42 | <i>Cephalocereus ulei</i> Gürke wfo--0000594784..... | 136 |
| <i>Cephalocereus rhodanthus</i> (Gürke) Werderm. wfo-- 0000594758..... | 13 | <i>Cephalocereus urbanianus</i> (K.Schum.) Britton & Rose wfo-- -0000594785..... | 310 |
| <i>Cephalocereus robinii</i> (Lem.) Britton & Rose wfo-- 0000594759..... | 314 | <i>Cephalocereus zehntneri</i> Britton & Rose wfo--0000594787 | 387 |
| <i>Cephalocereus robinii</i> var. <i>keyensis</i> (Britton & Rose) L.D.Benson wfo--0000738589..... | 314 | <i>Cephalocleistocactus chrysocephalus</i> F.Ritter wfo-- 0000594788..... | 44, 47 |
| <i>Cephalocereus robustus</i> Britton & Rose wfo--0000594760 | 136 | <i>Cephalocleistocactus</i> F.Ritter wfo--4000007249..... | 44 |
| <i>Cephalocereus royenii</i> (L.) Britton & Rose wfo-- 0000594761..... | 396 | <i>Cephalocleistocactus pallidus</i> Backeb. wfo--0000594789 | 397 |
| <i>Cephalocereus royenii</i> f. <i>cristatus</i> P.V.Heath wfo-- 0000594762..... | 410 | <i>Cephalocleistocactus ritteri</i> (Backeb.) Backeb. wfo-- 0000594790..... | 47 |
| <i>Cephalocereus rupicola</i> (Werderm.) Borg wfo-- 0000594763..... | 309 | <i>Cephalocleistocactus schattatianus</i> Backeb. wfo-- 0000594791..... | 47 |
| <i>Cephalocereus russellianus</i> (Hort.Berol. ex Salm-Dyck) Rose wfo--0000594765..... | 40 | <i>Cephalomamillaria</i> Frič wfo--4000007257..... | 111 |
| <i>Cephalocereus salvadorensis</i> (Werderm.) Borg wfo-- 0000594766..... | 309 | <i>Cephalomamillaria micromeris</i> (Engelm.) Frič wfo-- 0001289080..... | 111 |
| <i>Cephalocereus sanchezmejoradae</i> (A.B.Lau) H.J.Tapia & S.Arias wfo--0001430310..... | 37 | <i>Cephalomamillaria micromeris</i> var. <i>greggii</i> (Engelm.) Frič wfo--0001289081..... | 111 |
| <i>Cephalocereus sanchez-mejoradae</i> (A.B.Lau) H.J.Tapia & S.Arias wfo--0001430311..... | 37 | <i>Cephalomammillaria greggii</i> (Engelm.) Frič wfo-- 0000594794..... | 111 |
| <i>Cephalocereus sartorianus</i> Rose wfo--0000594767..... | 312 | <i>Cephalomammillaria micromeris</i> var. <i>greggii</i> (Engelm.) Frič wfo--0000594795..... | 111 |
| <i>Cephalocereus schlumbergeri</i> (F.A.C.Weber ex K.Schum.) Urb. wfo--0000594768..... | 314 | <i>Cephalophorus chrysacanthus</i> (F.A.C.Weber) Boom wfo-- 0000594807..... | 309 |
| <i>Cephalocereus scoparius</i> (Poselg.) Britton & Rose wfo-- 0000594769..... | 37 | <i>Cephalophorus columna-trajani</i> (Karw. ex Pfeiff.) Lem. wfo--0000594808..... | 36 |
| <i>Cephalocereus senilis</i> (Haw.) K.Schum. wfo--0001430312 | 38 | <i>Cephalophorus</i> Lem. wfo--4000007271..... | 35 |
| <i>Cephalocereus senilis</i> (Haw.) Pfeiff. wfo--0000594770 .. 35, 38 | | <i>Cephalophorus palmeri</i> (Rose) Boom wfo--0000594809 | 312 |
| <i>Cephalocereus senilis</i> f. <i>cristatus</i> (Mathsson) P.V.Heath wfo--0000594771..... | 410 | <i>Cephalophorus senilis</i> (Haw.) Lem. wfo--0000594810.... | 38 |
| <i>Cephalocereus senilis</i> f. <i>fasciatus</i> P.V.Heath wfo-- 0000594772..... | 410 | <i>Cereus xackermannii</i> Pfeiff. wfo--0000596736..... | 388 |
| <i>Cephalocereus sergipensis</i> (Werderm.) Borg wfo-- 0000594773..... | 309 | <i>Cereus xbeckmannii</i> Weing. wfo--0000596820..... | 388 |
| | | <i>Cereus xcolvillii</i> Sweet wfo--0000596973..... | 388 |
| | | <i>Cereus xflemingii</i> C.F.Först. wfo--0001430313..... | 388 |
| | | <i>Cereus xfreiburgensis</i> Weing. wfo--0000597112..... | 388 |
| | | <i>Cereus xfulgidus</i> Hook.f. wfo--0000597114..... | 391 |
| | | <i>Cereus xfunkii</i> C.F.Först. wfo--0000597120..... | 388 |
| | | <i>Cereus xhansii</i> Baumann wfo--0000597178..... | 389 |

| | | | |
|--|-----|--|-----|
| <i>Cereus xmallisonii</i> Pfeiff. wfo--0000597330..... | 391 | <i>Cereus ambiguus</i> var. <i>strictior</i> Weing. wfo--0000738591 | 410 |
| <i>Cereus xmoeninghoffii</i> D.F.Fisch. wfo--0000597376... | 391 | ..... | 410 |
| <i>Cereus xorcuttii</i> K.Brandegee wfo--0000597439..... | 394 | <i>Cereus amblyogonus</i> Don wfo--0001288131..... | 397 |
| <i>Cereus xroetteri</i> Engelm. wfo--0000597614..... | 99 | <i>Cereus amecaensis</i> Heese wfo--0000596762..... | 85 |
| <i>Cereus xruber</i> C.F.Först. wfo--0001430314..... | 389 | <i>Cereus amecamensis</i> Heese wfo--0001430318..... | 85 |
| <i>Cereus xrueferi</i> Lipsch. wfo--0001288338..... | 389 | <i>Cereus amoenus</i> (A.Dietr.) Hemsl. wfo--0000596763..... | 98 |
| <i>Cereus xrueferi</i> var. <i>major</i> Lipsch. wfo--0000738670.... | 412 | <i>Cereus andalgalensis</i> F.A.C.Weber ex K.Schum. wfo-- | |
| <i>Cereus xsmithianus</i> Sweet wfo--0000597682..... | 389 | 0000596764..... | 348 |
| <i>Cereus xsmithii</i> Pfeiff. wfo--0000597684..... | 391 | <i>Cereus andryanus</i> K.Schum. wfo--0001288133..... | 397 |
| <i>Cereus xsplendidus</i> (Paxton) Steud. wfo--0000597700..... | 392 | <i>Cereus anguiniformis</i> Hort. ex Riccob. wfo--0001289094 | |
| <i>Cereus abnormis</i> (Willd.) Sweet wfo--0000596727..... | 40 | ..... | 316 |
| <i>Cereus aboriginum</i> (Small ex Britton & Rose) Little wfo-- | | <i>Cereus anguinus</i> Gürke wfo--0000596765..... | 45 |
| 0000596728..... | 167 | <i>Cereus angulosus</i> Stieber ex K.Schum. wfo--0001288135 | |
| <i>Cereus acanthosphaera</i> Weing. wfo--0000596729..... | 79 | ..... | 37 |
| <i>Cereus acanthurus</i> Vaupel wfo--0000596730..... | 29 | <i>Cereus anisacanthus</i> DC. wfo--0000596766..... | 171 |
| <i>Cereus acidus</i> (Phil.) K.Schum. wfo--0000596731..... | 135 | <i>Cereus anisacanthus</i> var. <i>ortholophus</i> DC. wfo-- | |
| <i>Cereus acifer</i> Otto ex Salm-Dyck wfo--0000596732..... | 88 | 0000596768..... | 410 |
| <i>Cereus acinaciformis</i> Steud. wfo--0000596733..... | 90 | <i>Cereus anisacanthus</i> var. <i>subspiralis</i> DC. wfo--0000596769 | |
| <i>Cereus aciniformis</i> Pfeiff. wfo--0000596735..... | 90 | ..... | 410 |
| <i>Cereus ackermannii</i> (Haw.) Otto ex Pfeiff. wfo-- | | <i>Cereus anisitsii</i> K.Schum. wfo--0000596770..... | 43 |
| 0001430315..... | 83 | <i>Cereus anizogonus</i> Salm-Dyck wfo--0000596771..... | 344 |
| <i>Cereus acranthus</i> Vaupel wfo--0000596737..... | 162 | <i>Cereus anomalus</i> K.Schum. wfo--0001288136..... | 335 |
| <i>Cereus acromelas</i> Pfeiff. wfo--0000596738..... | 410 | <i>Cereus anquiniformis</i> Weing. wfo--0001288134..... | 410 |
| <i>Cereus aculeatus</i> C.F.Först. wfo--0001288128..... | 397 | <i>Cereus antoinii</i> Pfeiff. wfo--0000596772..... | 341 |
| <i>Cereus acutangulus</i> Pfeiff. wfo--0000596739..... | 6 | <i>Cereus apiciflorus</i> Vaupel wfo--0000596773..... | 60 |
| <i>Cereus adelmarii</i> (Rizzini & A.Mattos) P.J.Braun wfo-- | | <i>Cereus apoloensis</i> (Cárdenas) P.J.Braun & Esteves wfo-- | |
| 0000596740..... | 42 | 0000596774..... | 315 |
| <i>Cereus adscendens</i> Gürke wfo--0000596741..... | 167 | <i>Cereus aquicaulensis</i> Pfeiff. wfo--0000596775..... | 254 |
| <i>Cereus adustus</i> (Engelm.) Engelm. wfo--0000596742..... | 88 | <i>Cereus arachnoides</i> Lawr. wfo--0000596776..... | 410 |
| <i>Cereus adustus</i> var. <i>radians</i> (Engelm.) J.M.Coult. wfo-- | | <i>Cereus aragonii</i> F.A.C.Weber wfo--0000596777..... | 238 |
| 0000596743..... | 88 | <i>Cereus aragonii</i> var. <i>palmatus</i> F.A.C.Weber wfo-- | |
| <i>Cereus aethiops</i> Haw. wfo--0000596744..... | 38 | 0000596779..... | 238 |
| <i>Cereus aethiops</i> var. <i>landbeckii</i> (Phil.) Backeb. wfo-- | | <i>Cereus arboreus</i> (Britton & Rose) Vaupel wfo-- | |
| 0000596746..... | 38 | 0000596780..... | 177 |
| <i>Cereus aethiops</i> var. <i>melanacanthus</i> (K.Schum.) Backeb. | | <i>Cereus arcuatus</i> Zucc. wfo--0000596781..... | 397 |
| wfo--0000596747..... | 38 | <i>Cereus arendtii</i> Hildmann & Mathsson ex K.Schum. wfo-- | |
| <i>Cereus affinis</i> Pfeiff. wfo--0000596748..... | 39 | 0000596782..... | 169 |
| <i>Cereus aggregatus</i> J.M.Coult. wfo--0000596749..... | 90 | <i>Cereus areolatus</i> Muehlenpf. ex K.Schum. wfo-- | |
| <i>Cereus alacriportanus</i> Pfeiff. wfo--0000596750..... | 40 | 0001288137..... | 46 |
| <i>Cereus alacriportanus</i> var. <i>bageanus</i> (F.Ritter) P.J.Braun | | <i>Cereus arequipensis</i> Meyen wfo--0000596783..... | 255 |
| wfo--0000596751..... | 41 | <i>Cereus argentinensis</i> Britton & Rose wfo--0000596784..... | 43 |
| <i>Cereus alamosensis</i> J.M.Coult. wfo--0000596752..... | 356 | <i>Cereus armatus</i> Otto ex Pfeiff. wfo--0000596785..... | 307 |
| <i>Cereus alatus</i> (Sw.) DC. wfo--0000596753..... | 317 | <i>Cereus arrabidae</i> (Lem.) A.Berger wfo--0001289097... | 308 |
| <i>Cereus alatus</i> Link & Otto wfo--0001430316..... | 331 | <i>Cereus arrabidae</i> Steud. wfo--0000596786..... | 308 |
| <i>Cereus alatus</i> var. <i>crassior</i> Salm-Dyck wfo--0001430317 | | <i>Cereus arrigens</i> Monv. ex Labour. wfo--0001288138..... | 254 |
| ..... | 317 | <i>Cereus articulatus</i> Pfeiff. wfo--0000596787..... | 362 |
| <i>Cereus albertinii</i> Fobe wfo--0001288129..... | 397 | <i>Cereus assurgens</i> C.Wright ex Griseb. wfo--0000596788 | |
| <i>Cereus albicaulis</i> (Britton & Rose) Luetzelb. wfo-- |  | ..... | 177 |
| 0000596754..... | 39 | <i>Cereus atacamensis</i> Phil. wfo--0000596790..... | 178 |
| <i>Cereus albiflorus</i> K.Schum. wfo--0001288130..... | 389 | <i>Cereus atropurpureus</i> Hocay wfo--0000596791..... | 169 |
| <i>Cereus albisetosus</i> Haw. wfo--0000596755..... | 406 | <i>Cereus atrovirens</i> C.F.Först. wfo--0001288139..... | 397 |
| <i>Cereus albispinus</i> Salm-Dyck wfo--0000596757..... | 397 | <i>Cereus atroviridis</i> Backeb. wfo--0000596792..... | 42 |
| <i>Cereus albispinus</i> var. <i>major</i> Monv. ex Labour. wfo-- | | <i>Cereus aurantiacus</i> C.F.Först. wfo--0000745174..... | 389 |
| 0000738590..... | 410 | <i>Cereus aurantiacus</i> var. <i>superbus</i> Haage ex Labour. wfo-- | |
| <i>Cereus alensis</i> (F.A.C.Weber) Vaupel wfo--0000596758307 | | 0000738592..... | 410 |
| <i>Cereus alticostatus</i> (F.Ritter) P.J.Braun wfo--0000596759 | | <i>Cereus auratus</i> f. <i>intermedius</i> Regel & Klein bis wfo-- | |
| ..... | 316 | 0000596794..... | 410 |
| <i>Cereus amazonicus</i> K.Schum. ex Vaupel wfo--0000596760 | | <i>Cereus auratus</i> f. <i>mollissimus</i> Regel & Klein bis wfo-- | |
| ..... | 315 | 0000596795..... | 410 |
| <i>Cereus amazonicus</i> K.Schum. wfo--0001287438..... | 315 | <i>Cereus auratus</i> f. <i>pilosus</i> Regel & Klein bis wfo-- | |
| <i>Cereus ambiguus</i> (Bonpl.) DC. wfo--0000596761..... | 256 | 0000596796..... | 410 |
| | | <i>Cereus auratus</i> Labour. wfo--0000596793..... | 397 |

| | | | |
|--|-----|---|-----|
| <i>Cereus auratus</i> var. <i>intermedius</i> Regel & Klein bis wfo-- 0001430319..... | 397 | <i>Cereus blanckii</i> Poselg. wfo--0000596836 | 88 |
| <i>Cereus auratus</i> var. <i>mollissimus</i> Regel & Klein bis wfo-- 0001430320..... | 397 | <i>Cereus blossfeldiorum</i> (Werderm.) Backeb. wfo-- 0000596837 | 133 |
| <i>Cereus auratus</i> var. <i>pilosus</i> Regel & Klein bis wfo-- 0001430321..... | 397 | <i>Cereus boeckmannii</i> Otto ex Salm-Dyck wfo--0000596838 | 343 |
| <i>Cereus aureus</i> (Meyen) K.Schum. wfo--0000596799 | 60 | <i>Cereus bolivianus</i> (F.A.C.Weber ex K.Schum.) F.A.C.Weber wfo--0001288185 | 169 |
| <i>Cereus aureus</i> (Meyen) Meyen wfo--0000596798 | 60 | <i>Cereus bonariensis</i> C.F.Först. wfo--0000596840..... | 40 |
| <i>Cereus aureus</i> Salm-Dyck ex DC. wfo--0000596797 | 397 | <i>Cereus bonariensis</i> Sweet wfo--0000596839 | 397 |
| <i>Cereus aureus</i> var. <i>pallidior</i> Salm-Dyck wfo--0000738593 | 410 | <i>Cereus bonplandii</i> Parm. ex Pfeiff. wfo--0000596841... | 168 |
| <i>Cereus aurivillus</i> K.Schum. wfo--0000596801 | 31 | <i>Cereus bonplandii</i> var. <i>brevispinus</i> C.A.Maass wfo-- 0001430323 | 169 |
| <i>Cereus aurora</i> Rydb. wfo--0001288140 | 388 | <i>Cereus bonplandii</i> var. <i>pomanensis</i> F.A.C.Weber ex K.Schum. wfo--0001430324..... | 169 |
| <i>Cereus ayisyen</i> M. van der Meer wfo--0001430322..... | 39 | <i>Cereus brachiatus</i> Galeotti ex Salm-Dyck wfo-- 0000596842 | 397 |
| <i>Cereus azureus</i> Parm. ex Pfeiff. wfo--0000596802..... | 38 | <i>Cereus brachypetalus</i> Vaupel wfo--0000596843 | 60 |
| <i>Cereus azureus</i> var. <i>seidelii</i> (Lehm.) Dams wfo-- 0000596803..... | 38 | <i>Cereus bradtianus</i> J.M.Coult. wfo--0000596844 | 147 |
| <i>Cereus babosus</i> F.A.C.Weber wfo--0001287427 | 6 | <i>Cereus bradypus</i> (Lehm.) Steud. wfo--0000596846..... | 38 |
| <i>Cereus baccifer</i> Hook. wfo--0001288141 | 327 | <i>Cereus brandegeei</i> J.M.Coult. wfo--0000596847..... | 89 |
| <i>Cereus bacciferus</i> Hemsl. wfo--0000596804 | 327 | <i>Cereus brandii</i> Salm-Dyck wfo--0000596848 | 39 |
| <i>Cereus backebergii</i> Weing. wfo--0000596805..... | 312 | <i>Cereus brasiliensis</i> (Britton & Rose) Luetzelb. wfo-- 0000596849 | 308 |
| <i>Cereus bahamensis</i> (Britton) Vaupel wfo--0000596806..... | 314 | <i>Cereus braunii</i> Cárdenas wfo--0000596850..... | 41 |
| <i>Cereus bahiensis</i> (Britton & Rose) Luetzelb. wfo-- 0000596807..... | 174 | <i>Cereus breviflorus</i> K.Schum. wfo--0001288186 | 399 |
| <i>Cereus bajanensis</i> Werckle wfo--0001288142 | 410 | <i>Cereus brevispinulus</i> Salm-Dyck wfo--0000596851 | 343 |
| <i>Cereus bakeri</i> (Britton & Rose) Vaupel wfo--0000596808 | 314 | <i>Cereus brevispinus</i> A.Berger wfo--0000596852 | 343 |
| <i>Cereus balansae</i> K.Schum. wfo--0000596809 | 168 | <i>Cereus brevistylus</i> K.Schum. ex Vaupel wfo--0000596853 | 60 |
| <i>Cereus ballivianii</i> (Cárdenas) P.J.Braun & Esteves wfo-- 0000596810..... | 315 | <i>Cereus bridgesii</i> f. <i>brevispinus</i> (K.Schum.) Schelle wfo-- 0000596857 | 369 |
| <i>Cereus barbadensis</i> (Britton & Rose) A.Berger wfo-- 0000596812..... | 310 | <i>Cereus bridgesii</i> f. <i>lageniformis</i> (C.F.Först.) Schelle wfo-- 0000596859 | 368 |
| <i>Cereus barbatus</i> J.C.Wendl. ex Salm-Dyck wfo-- 0000596813..... | 310 | <i>Cereus bridgesii</i> Salm-Dyck wfo--0000596854..... | 182 |
| <i>Cereus baumannii</i> Lem. wfo--0000596814 | 45 | <i>Cereus bridgesii</i> var. <i>brevispinus</i> K.Schum. wfo-- 0000596855 | 369 |
| <i>Cereus baumannii</i> var. <i>colubrinus</i> K.Schum. wfo-- 0000596815..... | 45 | <i>Cereus bridgesii</i> var. <i>lageniformis</i> (C.F.Först.) K.Schum. wfo--0000596858 | 368 |
| <i>Cereus baumannii</i> var. <i>flavispinus</i> Salm-Dyck ex K.Schum. wfo--0000596816..... | 45 | <i>Cereus bridgesii</i> var. <i>longispinus</i> C.A.Maass wfo-- 0000738612 | 369 |
| <i>Cereus baumannii</i> var. <i>smaragdiflorus</i> (F.A.C.Weber) K.Schum. wfo--0000738610 | 47 | <i>Cereus brittonianus</i> Werderm. wfo--0000596860 | 315 |
| <i>Cereus bавosus</i> F.A.C.Weber ex K.Schum. wfo-- 0000596817..... | 174 | <i>Cereus brookii</i> (Britton) Vaupel wfo--0000596861 | 168 |
| <i>Cereus baxaniensis</i> f. <i>pellucidus</i> (Otto) Schelle wfo-- 0000596819..... | 410 | <i>Cereus brooksianus</i> (Britton & Rose) Vaupel wfo-- 0000596862 | 309 |
| <i>Cereus baxaniensis</i> Karw. ex Pfeiff. wfo--0000596818..... | 6 | <i>Cereus bruennowii</i> (J.N.Haage ex Rümpler) Mottet wfo-- 0001430325 | 275 |
| <i>Cereus baxaniensis</i> var. <i>ramosus</i> Salm-Dyck ex Walp. wfo-- -0000738611 | 410 | <i>Cereus caesius</i> Salm-Dyck ex Pfeiff. wfo--0000596863... | 39 |
| <i>Cereus belieuli</i> K.Schum. wfo--0001288143 | 279 | <i>Cereus caespitosus</i> Engelm. wfo--0000596864..... | 98 |
| <i>Cereus beneckeii</i> Ehrenb. wfo--0000596821 | 356 | <i>Cereus caespitosus</i> var. <i>castaneus</i> Engelm. wfo-- 0000596865 | 98 |
| <i>Cereus beneckeii</i> var. <i>farinosus</i> (Haage ex Salm-Dyck) Salm- Dyck wfo--0000596824 | 356 | <i>Cereus caespitosus</i> var. <i>major</i> Engelm. wfo--0000596866 | 98 |
| <i>Cereus bergerianus</i> Vaupel wfo--0000596825 | 278 | <i>Cereus caespitosus</i> var. <i>minor</i> Engelm. wfo--0000596868 | 98 |
| <i>Cereus berlandieri</i> Engelm. wfo--0000596826 | 88 | <i>Cereus calcaratus</i> F.A.C.Weber wfo--0000596869 | 340 |
| <i>Cereus bertinii</i> J.F.Cels wfo--0000596827 | 16 | <i>Cereus calcirupicola</i> (F.Ritter) Rizzini wfo--0000596870..... | 41 |
| <i>Cereus beysiegelii</i> Weing. wfo--0000596828 | 39 | <i>Cereus calcirupicola</i> subsp. <i>cabralensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000596873 | 41 |
| <i>Cereus bicolor</i> Rizzini & A.Mattos wfo--0000596829 | 39 | <i>Cereus calcirupicola</i> subsp. <i>cipoensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000596875 | 41 |
| <i>Cereus biformis</i> Lindl. wfo--0000596831..... | 83 | <i>Cereus calcirupicola</i> var. <i>albicans</i> Rizzini wfo--0000596871 | 41 |
| <i>Cereus biformis</i> Pfeiff. wfo--0000596830..... | 83 | | |
| <i>Cereus bifrons</i> Haw. wfo--0000596832 | 85 | | |
| <i>Cereus bigelovii</i> Engelm. wfo--0000596833 | 101 | | |
| <i>Cereus biolleyi</i> F.A.C.Weber wfo--0000596835 | 378 | | |

| | | | |
|--|-----|---|-----|
| <i>Cereus calcirupicola</i> var. <i>cabralensis</i> (F.Ritter) P.J.Braun wfo--0000596872 | 41 | <i>Cereus cephalomacrostibas</i> Werderm. & Backeb. wfo--0000596906 | 377 |
| <i>Cereus calcirupicola</i> var. <i>cipoensis</i> (F.Ritter) P.J.Braun wfo--0000596874 | 41 | <i>Cereus chachapoyensis</i> Ochoa & Backeb. wfo--0000596907 | 61 |
| <i>Cereus calcirupicola</i> var. <i>pluricostatus</i> (F.Ritter) Rizzini wfo--0001430326 | 41 | <i>Cereus chacoanus</i> Vaupel wfo--0000596908 | 360 |
| <i>Cereus californicus</i> Torr. & A.Gray wfo--0000596876 | 74 | <i>Cereus chalibaeus</i> Salm-Dyck wfo--0000596909 | 38 |
| <i>Cereus callianthus</i> (Fuau & Backeb.) P.J.Braun & Esteves wfo--0000596878 | 316 | <i>Cereus chalybaeus</i> C.F.Först. wfo--0000596912 | 38 |
| <i>Cereus callicanthus</i> (Rümpfer) Woodson wfo--0000745175 | 388 | <i>Cereus chalybaeus</i> Otto ex Walp. wfo--0000596911 | 38 |
| <i>Cereus callicocche</i> Galeotti ex Scheidw. wfo--0000596879 | 15 | <i>Cereus chende</i> Rol.-Goss. wfo--0000596913 | 315 |
| <i>Cereus calvescens</i> DC. wfo--0000596880 | 40 | <i>Cereus chichipe</i> Rol.-Goss. wfo--0000596914 | 315 |
| <i>Cereus calvus</i> Engelm. ex J.M.Coult. wfo--0000596881 | 278 | <i>Cereus childsii</i> Blanc wfo--0000596915 | 40 |
| <i>Cereus campinensis</i> (Backeb. & Voll) P.J.Braun wfo--0000596882 | 316 | <i>Cereus chilensis</i> Pfeiff. wfo--0000596916 | 178 |
| <i>Cereus campinensis</i> subsp. <i>piedadensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000596884 | 410 | <i>Cereus chilensis</i> var. <i>acidus</i> Miers wfo--0000738616 | 410 |
| <i>Cereus campinensis</i> var. <i>piedadensis</i> (F.Ritter) P.J.Braun wfo--0000596883 | 315 | <i>Cereus chilensis</i> var. <i>breviflorus</i> Hirscht wfo--0000738617 | 410 |
| <i>Cereus campylacanthus</i> (Pfeiff. & Otto) Mottet wfo--0001430327 | 3 | <i>Cereus chilensis</i> var. <i>brevispinulus</i> Salm-Dyck ex Walp. wfo--0000738618 | 410 |
| <i>Cereus candelabrus</i> Pfeiff. wfo--0000596885 | 410 | <i>Cereus chilensis</i> var. <i>fulvibarbis</i> Salm-Dyck ex Walp. wfo--0000738619 | 410 |
| <i>Cereus candelabrum</i> K.Schum. wfo--0000596886 | 279 | <i>Cereus chilensis</i> var. <i>funkianus</i> K.Schum. wfo--0000738620 | 410 |
| <i>Cereus candelaris</i> Meyen wfo--0000596887 | 34 | <i>Cereus chilensis</i> var. <i>nigripilis</i> Hirscht wfo--0000738621 | 410 |
| <i>Cereus candicans</i> f. <i>courantii</i> (K.Schum.) Schelle wfo--0000596891 | 346 | <i>Cereus chilensis</i> var. <i>polygonus</i> K.Schum. wfo--0000738622 | 410 |
| <i>Cereus candicans</i> f. <i>gladius</i> (Lem.) Schelle wfo--0000596893 | 346 | <i>Cereus chilensis</i> var. <i>spinosior</i> Salm-Dyck ex C.F.Först. wfo--0000738623 | 410 |
| <i>Cereus candicans</i> f. <i>robustior</i> (Salm-Dyck) Schelle wfo--0000596895 | 346 | <i>Cereus chiloensis</i> (Colla) DC. wfo--0000596917 | 178 |
| <i>Cereus candicans</i> Gillies ex Salm-Dyck wfo--0000596889 | 346 | <i>Cereus chiloensis</i> f. <i>eburneus</i> (Phil. ex K.Schum.) Schelle wfo--0000596920 | 179 |
| <i>Cereus candicans</i> var. <i>courantii</i> K.Schum. wfo--0000596890 | 346 | <i>Cereus chiloensis</i> var. <i>acidus</i> Miers wfo--0001430328 | 179 |
| <i>Cereus candicans</i> var. <i>dumesnilianus</i> Zeiss. wfo--0000738613 | 346 | <i>Cereus chiloensis</i> var. <i>breviflorus</i> Hirscht wfo--0001430329 | 179 |
| <i>Cereus candicans</i> var. <i>gladius</i> (Lem.) K.Schum. wfo--0000596892 | 346 | <i>Cereus chiloensis</i> var. <i>brevispinulus</i> Salm-Dyck wfo--0000596918 | 178 |
| <i>Cereus candicans</i> var. <i>robustior</i> Salm-Dyck wfo--0000596894 | 346 | <i>Cereus chiloensis</i> var. <i>eburneus</i> (Phil. ex K.Schum.) K.Schum. wfo--0000596919 | 179 |
| <i>Cereus candicans</i> var. <i>spinosior</i> Salm-Dyck ex Walp. wfo--0000738615 | 410 | <i>Cereus chiloensis</i> var. <i>flavescens</i> Salm-Dyck wfo--0000596922 | 178 |
| <i>Cereus candicans</i> var. <i>tenuispinus</i> Pfeiff. wfo--0000596896 | 346 | <i>Cereus chiloensis</i> var. <i>fulvibarbis</i> (Otto) Salm-Dyck wfo--0000596923 | 178 |
| <i>Cereus caracore</i> Rol.-Goss. wfo--0001288187 | 410 | <i>Cereus chiloensis</i> var. <i>funkianus</i> K.Schum. wfo--0001430330 | 179 |
| <i>Cereus caripensis</i> (Kunth) DC. wfo--0000596897 | 327 | <i>Cereus chiloensis</i> var. <i>heteromorphus</i> K.Schum. wfo--0000596924 | 135 |
| <i>Cereus cartwrightianus</i> (Britton & Rose) Werderm. wfo--0000596898 | 11 | <i>Cereus chiloensis</i> var. <i>lamprochlorus</i> Monv. ex Labour. wfo--0000738624 | 410 |
| <i>Cereus castaneus</i> (Phil.) K.Schum. wfo--0000596900 | 135 | <i>Cereus chiloensis</i> var. <i>linnaei</i> (C.F.Först.) K.Schum. wfo--0000596925 | 410 |
| <i>Cereus catamarcensis</i> F.A.C.Weber wfo--0001288188 | 125 | <i>Cereus chiloensis</i> var. <i>nigripilis</i> Hirscht wfo--0001430331 | 179 |
| <i>Cereus catingicola</i> Gürke wfo--0000596901 | 309 | <i>Cereus chiloensis</i> var. <i>panhoplites</i> K.Schum. wfo--0000596926 | 179 |
| <i>Cereus cauchinii</i> Rebut wfo--0001288189 | 41 | <i>Cereus chiloensis</i> var. <i>polygonus</i> Salm-Dyck wfo--0001430332 | 178 |
| <i>Cereus caudatus</i> Gillies ex Sweet wfo--0000596902 | 397 | <i>Cereus chiloensis</i> var. <i>poselgeri</i> K.Schum. wfo--0000596927 | 179 |
| <i>Cereus cavendishii</i> Monv. ex Salm-Dyck wfo--0000596904 | 316 | <i>Cereus chiloensis</i> var. <i>pyncacanthus</i> (Salm-Dyck) K.Schum. wfo--0000596928 | 399 |
| <i>Cereus cavendishii</i> Monv. wfo--0000596903 | 316 | <i>Cereus chiloensis</i> var. <i>quisco</i> (J.Rémy) F.A.C.Weber ex Hirscht wfo--0000596929 | 178 |
| <i>Cereus celsianus</i> (Lem. ex Salm-Dyck) A.Berger wfo--0001287945 | 275 | | |
| <i>Cereus celsianus</i> (Lem. ex Salm-Dyck) Orcutt wfo--0000596905 | 275 | | |

| | | | |
|--|-----|---|-----|
| <i>Cereus chiloensis</i> var. <i>spinosior</i> Salm-Dyck ex C.F.Först. wfo--0001430333..... | 178 | <i>Cereus colubrinus</i> var. <i>smaragdiflorus</i> (F.A.C.Weber) Rol.- Goss. wfo--0000597681..... | 47 |
| <i>Cereus chiloensis</i> var. <i>zizkaanus</i> K.Schum. wfo-- 0000596930..... | 179 | <i>Cereus colubrinus</i> var. <i>smaragdiflorus</i> F.A.C.Weber wfo-- 0001288192..... | 47 |
| <i>Cereus chiotilla</i> F.A.C.Weber ex K.Schum. wfo-- 0000596931..... | 133 | <i>Cereus columna</i> Walp. wfo--0000596971..... | 36 |
| <i>Cereus chloranthus</i> Engelm. wfo--0000596934..... | 89 | <i>Cereus columnaris</i> Loddiges ex Voigt wfo--0001288193 | 397 |
| <i>Cereus chlorocarpus</i> (Kunth) DC. wfo--0000596935..... | 34 | <i>Cereus columna-trajani</i> Karw. ex Pfeiff. wfo--0000596972 | 36 |
| <i>Cereus chosicensis</i> Werderm. & Backeb. wfo--0000596936 | 164 | <i>Cereus colvillii</i> Rümpler wfo--0001288194..... | 39 |
| <i>Cereus chotaensis</i> (F.A.C.Weber) Vaupel wfo--0000596937 | 32 | <i>Cereus comarapanus</i> Cárdenas wfo--0000596974..... | 39 |
| <i>Cereus chrysacanthus</i> (F.A.C.Weber ex K.Schum.) Orcutt wfo--0000596938..... | 309 | <i>Cereus cometes</i> Scheidw. wfo--0000596975..... | 311 |
| <i>Cereus chrysomallus</i> (Lem.) Lem. wfo--0000596939..... | 278 | <i>Cereus compressus</i> Mill. wfo--0000596977..... | 344 |
| <i>Cereus chrysostele</i> Vaupel wfo--0000596940..... | 309 | <i>Cereus concinnus</i> Haage wfo--0001288195..... | 397 |
| <i>Cereus cinerascens</i> DC. wfo--0000596941..... | 90 | <i>Cereus concolor</i> J.M.Bigelow wfo--0000596978..... | 98 |
| <i>Cereus cinerascens</i> var. <i>crassior</i> DC. wfo--0000596942.. | 90 | <i>Cereus conformis</i> Salm-Dyck wfo--0000596979..... | 410 |
| <i>Cereus cinerascens</i> var. <i>fendleri</i> Bois wfo--0000596943.. | 93 | <i>Cereus conglomeratus</i> (C.F.Först.) A.Berger wfo-- 0000596980..... | 101 |
| <i>Cereus cinerascens</i> var. <i>tenuior</i> DC. wfo--0000596945.. | 90 | <i>Cereus conicus</i> Pfeiff. wfo--0000596981..... | 36 |
| <i>Cereus cinnabarinus</i> Eichlam ex Weing. wfo--0000596946 | 85 | <i>Cereus coniflorus</i> Weing. wfo--0000596982..... | 341 |
| <i>Cereus cirrhifer</i> Labour. wfo--0001288190..... | 90 | <i>Cereus conoideus</i> Engelm. & J.M.Bigelow wfo-- 0000596983..... | 91 |
| <i>Cereus cirrhiferus</i> Labour. wfo--0000596947..... | 410 | <i>Cereus konzattii</i> (Britton & Rose) A.Berger wfo-- 0000596984..... | 9 |
| <i>Cereus claroviridis</i> Backeb. wfo--0000596948..... | 312 | <i>Cereus coquimbanus</i> DC. wfo--0000596985..... | 178 |
| <i>Cereus clavarioides</i> Pfeiff. wfo--0000596949..... | 195 | <i>Cereus coquimbanus</i> K.Schum. wfo--0000596986..... | 135 |
| <i>Cereus clavatus</i> Otto & A.Dietr. wfo--0000596950..... | 357 | <i>Cereus coracare</i> Gosselin wfo--0001288196..... | 410 |
| <i>Cereus claviformis</i> Regel & Klein bis wfo--0000596951.. | 402 | <i>Cereus coryne</i> C.F.Först. wfo--0000596988..... | 359 |
| <i>Cereus coccineus</i> Engelm. wfo--0000596954..... | 85 | <i>Cereus coryne</i> Salm-Dyck wfo--0000596989..... | 359 |
| <i>Cereus coccineus</i> Salm-Dyck ex DC. wfo--0000596952.. | 343 | <i>Cereus cossyrensis</i> Tineo ex Tod. wfo--0000596990..... | 168 |
| <i>Cereus coccineus</i> Salm-Dyck ex Pfeiff. wfo--0000596953.. | 85 | <i>Cereus costaricensis</i> (F.A.C.Weber) A.Berger wfo-- 0000596991..... | 340 |
| <i>Cereus coccineus</i> var. <i>cylindricus</i> Engelm. wfo-- 0001430334..... | 90 | <i>Cereus crassisepalus</i> Buining & Brederoo wfo-- 0000596992..... | 44 |
| <i>Cereus coccineus</i> var. <i>melanacanthus</i> Engelm. wfo-- 0000596956..... | 90 | <i>Cereus crenatus</i> Lindl. wfo--0000596993..... | 83 |
| <i>Cereus cochabambensis</i> Cárdenas wfo--0000596957..... | 39 | <i>Cereus crenoides</i> Engelm. wfo--0000596994..... | 410 |
| <i>Cereus cochabambensis</i> var. <i>longicarpa</i> Cárdenas wfo-- 0000596958..... | 39 | <i>Cereus crenulatus</i> Salm-Dyck wfo--0000596995..... | 397 |
| <i>Cereus cochal</i> Orcutt wfo--0000596959..... | 254 | <i>Cereus crenulatus</i> var. <i>gracilior</i> Salm-Dyck wfo-- 0000738629..... | 410 |
| <i>Cereus coerulescens</i> f. <i>landbeckii</i> (Phil.) Schelle wfo-- 0000596962..... | 38 | <i>Cereus crenulatus</i> var. <i>griseus</i> Salm-Dyck ex Pfeiff. wfo-- 0000738630..... | 410 |
| <i>Cereus coerulescens</i> f. <i>melanacanthus</i> (K.Schum.) Schelle wfo--0000596964..... | 38 | <i>Cereus crimsonii</i> Pritz. wfo--0001288197..... | 388 |
| <i>Cereus coerulescens</i> Salm-Dyck wfo--0000596960..... | 308 | <i>Cereus crispatus</i> (Haw.) Pfeiff. ex K.Schum. wfo-- 0000596996..... | 329 |
| <i>Cereus coerulescens</i> var. <i>fulvispinus</i> Graebener wfo-- 0000738626..... | 410 | <i>Cereus crispatus</i> var. <i>crenulatus</i> Pfeiff. wfo--0000738631 | 410 |
| <i>Cereus coerulescens</i> var. <i>landbeckii</i> (Phil.) K.Schum. wfo-- 0000596961..... | 38 | <i>Cereus crispatus</i> var. <i>latior</i> Salm-Dyck wfo--0000738632 | 410 |
| <i>Cereus coerulescens</i> var. <i>longispinus</i> Weing. wfo-- 0000738627..... | 410 | <i>Cereus cristatus</i> (Salm-Dyck) Mottet wfo--0001430336.. | 186 |
| <i>Cereus coerulescens</i> var. <i>melanacanthus</i> K.Schum. wfo-- 0000596963..... | 38 | <i>Cereus cruciformis</i> (Arrab.) Steud. wfo--0000596997... .. | 176 |
| <i>Cereus coeruleus</i> Lem. wfo--0001288191..... | 38 | <i>Cereus ctenoides</i> Engelm. wfo--0000596999..... | 91 |
| <i>Cereus cognatus</i> Pfeiff. wfo--0000596966..... | 39 | <i>Cereus cubensis</i> Zucc. ex Pfeiff. wfo--0000597000..... | 397 |
| <i>Cereus colicochus</i> Booth ex C.F.Först. wfo--0000596967.. | 15 | <i>Cereus cumengei</i> F.A.C.Weber wfo--0000597001..... | 357 |
| <i>Cereus colombianus</i> (Rose) Vaupel wfo--0000596968.. | 310 | <i>Cereus cumengii</i> F.A.C.Weber wfo--0000597002..... | 410 |
| <i>Cereus colosseus</i> (F.Ritter) Guiggi wfo--0001251988..... | 42 | <i>Cereus cupulatus</i> Pfeiff. wfo--0000597003..... | 192 |
| <i>Cereus colubrinus</i> Otto ex C.F.Först. wfo--0001430335.. | 45 | <i>Cereus curtisii</i> Otto wfo--0000597004..... | 310 |
| <i>Cereus colubrinus</i> Otto ex Salm-Dyck wfo--0000596969.. | 45 | <i>Cereus curvispinus</i> Pfeiff. wfo--0000597005..... | 40 |
| <i>Cereus colubrinus</i> var. <i>flavispinus</i> Salm-Dyck wfo-- 0000596970..... | 45 | <i>Cereus cuzcoensis</i> (Britton & Rose) Werderm. wfo-- 0000597006..... | 369 |
| | | <i>Cereus cyaneus</i> A.Berger wfo--0001288198..... | 411 |
| | | <i>Cereus cylindricus</i> (Lam.) Haw. wfo--0000597007..... | 17 |
| | | <i>Cereus damazioi</i> K.Schum. ex Weing. wfo--0001430337.. | 13 |

| | | | |
|---|-----|---|----------|
| <i>Cereus damazioi</i> K.Schum. wfo--0001288200..... | 13 | <i>Cereus elegans</i> Lem. wfo--0000597050..... | 178 |
| <i>Cereus dasyacanthus</i> Engelm. wfo--0000597010..... | 91 | <i>Cereus elegans</i> Pfeiff. wfo--0000597049..... | 175 |
| <i>Cereus dasyacanthus</i> var. <i>minor</i> Engelm. wfo-- | | <i>Cereus elegantissimus</i> A.Berger wfo--0000597051..... | 85 |
| 0000597011..... | 96 | <i>Cereus emoryi</i> Engelm. wfo--0000597052..... | 28 |
| <i>Cereus dasyacanthus</i> var. <i>neomexicanus</i> J.M.Coult. wfo-- | | <i>Cereus engelmannii</i> Parry ex Engelm. wfo--0000597053..... | 92 |
| 0000597012..... | 99 | <i>Cereus engelmannii</i> var. <i>albispinus</i> Cels ex Orcutt wfo-- | |
| <i>Cereus dautwitzii</i> (F.Haage ex Anon.) Orcutt wfo-- | | 0000738636..... | 411 |
| 0000597013..... | 133 | <i>Cereus engelmannii</i> var. <i>caespitosus</i> Orcutt wfo-- | |
| <i>Cereus davisii</i> Reiche wfo--0001288201..... | 411 | 0000738637..... | 411 |
| <i>Cereus dayami</i> Speg. wfo--0000597014..... | 43 | <i>Cereus engelmannii</i> var. <i>chrysocentrus</i> Engelm. & | |
| <i>Cereus decagonus</i> Pfeiff. wfo--0000597015..... | 411 | J.M.Bigelow wfo--0000597055..... | 92 |
| <i>Cereus decaisneanus</i> (Lem.) Mottet wfo--0001430338..... | 108 | <i>Cereus engelmannii</i> var. <i>fulvispinus</i> Cels ex Orcutt wfo-- | |
| <i>Cereus decandollei</i> Pfeiff. ex C.F.Först. wfo--0000597016..... | 42 | 0000738638..... | 411 |
| ..... | 42 | <i>Cereus engelmannii</i> var. <i>pfersdorffii</i> Heiden ex Orcutt wfo-- | |
| <i>Cereus decandollii</i> Pfeiff. ex C.F.Först. wfo--0001288202..... | 242 | -0000738639..... | 411 |
| <i>Cereus decorus</i> Loddiges ex Voigt wfo--0001288203..... | 397 | <i>Cereus engelmannii</i> var. <i>variegatus</i> Engelm. & J.M.Bigelow | |
| <i>Cereus decumbens</i> Vaupel wfo--0000597017..... | 163 | wfo--0000597056..... | 92 |
| <i>Cereus deficiens</i> Otto & A.Dietr. wfo--0000597018..... | 357 | <i>Cereus enneacanthus</i> Engelm. wfo--0000597057..... | 93 |
| <i>Cereus deflexispinus</i> Monv. ex Labour. wfo--0000597019..... | 369 | <i>Cereus enriquezii</i> Elliott wfo--0001288208..... | 397 |
| ..... | 369 | <i>Cereus erectus</i> Karw. ex Pfeiff. wfo--0000597058..... | 397 |
| <i>Cereus deflexispinus</i> Rauh & Backeb. wfo--0000597021..... | 369 | <i>Cereus ericomus</i> Rchb.f. wfo--0000597059..... | 411 |
| ..... | 369 | <i>Cereus ericomus</i> Salm-Dyck wfo--0000597060..... | 308 |
| <i>Cereus delaguna</i> Haage wfo--0001288204..... | 411 | <i>Cereus erinaceus</i> (Haw.) Steud. wfo--0000597061..... | 397 |
| <i>Cereus del-moralii</i> J.A.Purpus wfo--0000597022..... | 411 | <i>Cereus eriocarpus</i> Phil. wfo--0000597062..... | 178 |
| <i>Cereus demacaro</i> Haage wfo--0001288199..... | 397 | <i>Cereus eriophorus</i> Pfeiff. wfo--0000597063..... | 168 |
| <i>Cereus denudatus</i> (Link & Otto) Pfeiff. wfo--0000597023..... | 153 | <i>Cereus eriophorus</i> var. <i>fragrans</i> (Small ex Britton & Rose) | |
| ..... | 153 | L.D.Benson wfo--0001430339..... | 168 |
| <i>Cereus deppei</i> Pfeiff. wfo--0000597024..... | 90 | <i>Cereus eriophorus</i> var. <i>laetevirens</i> Salm-Dyck ex Pfeiff. | |
| <i>Cereus deserticola</i> Werderm. wfo--0000597025..... | 179 | wfo--0001430340..... | 168 |
| <i>Cereus devauxii</i> C.F.Först. wfo--0001288205..... | 388 | <i>Cereus eriophorus</i> var. <i>laeteviridis</i> Salm-Dyck ex Pfeiff. | |
| <i>Cereus dichroacanthus</i> Mart. ex Pfeiff. wfo--0000597026..... | 126 | wfo--0001430341..... | 168 |
| ..... | 126 | <i>Cereus eriotrichus</i> Werderm. & Backeb. wfo--0000597065..... | 29 |
| <i>Cereus diffusus</i> (Britton & Rose) Werderm. wfo-- |  | ..... | 29 |
| 0000597027..... | 315 | <i>Cereus eruca</i> K.Brandege wfo--0000597066..... | 356 |
| <i>Cereus diguetii</i> F.A.C.Weber wfo--0000597028..... | 303 | <i>Cereus erythrocephalus</i> (K.Schum.) A.Berger wfo-- | |
| <i>Cereus divaricatus</i> (Lam.) DC. wfo--0000597029..... | 168 | 0000597067..... | 80 |
| <i>Cereus divergens</i> Pfeiff. wfo--0000597030..... | 168 | <i>Cereus estevesii</i> P.J.Braun wfo--0000597068..... | 39 |
| <i>Cereus donatii</i> Schelle wfo--0000597032..... | 411 | <i>Cereus estrellensis</i> F.A.C.Weber ex Wercklé wfo-- | |
| <i>Cereus donkelaarii</i> Salm-Dyck wfo--0000597033..... | 341 | 0000597069..... | 378 |
| <i>Cereus donkelaarii</i> Salm-Dyck wfo--0000597033..... | 341 | <i>Cereus euchlorus</i> F.A.C.Weber ex K.Schum. wfo-- | |
| <i>Cereus dubius</i> Engelm. wfo--0000597034..... | 93 | 0000597070..... | 315 |
| <i>Cereus duledevantii</i> Lem. wfo--0000597035..... | 178 | <i>Cereus euchlorus</i> subsp. <i>alticostatus</i> (F.Ritter) P.J.Braun & | |
| <i>Cereus dumesnilianus</i> Haage ex Schumann wfo-- | | Esteves wfo--0000597071..... | 316 |
| 0001288207..... | 346 | <i>Cereus euchlorus</i> subsp. <i>leucanthus</i> (F.Ritter) P.J.Braun & | |
| <i>Cereus dumesnilianus</i> Monv. ex F.A.C.Weber wfo-- | | Esteves wfo--0000597072..... | 315 |
| 0001288206..... | 346 | <i>Cereus euchlorus</i> subsp. <i>rhodoleucanthus</i> (K.Schum.) | |
| <i>Cereus dumortieri</i> Scheidw. wfo--0000597036..... | 171 | P.J.Braun & Esteves wfo--0000597073..... | 316 |
| <i>Cereus dusenii</i> F.A.C.Weber ex Speg. wfo--0000597037..... | 16 | <i>Cereus euphorbioides</i> Haw. wfo--0000597074..... | 36 |
| <i>Cereus dussii</i> K.Schum. wfo--0000597038..... | 6 | <i>Cereus exerens</i> Link ex Pfeiff. wfo--0000597076..... | 308 |
| <i>Cereus dybowski</i> Rol.-Goss. wfo--0000597039..... | 135 | <i>Cereus extensus</i> Salm-Dyck ex DC. wfo--0000597077..... | 341, 342 |
| <i>Cereus dyckii</i> Mart. ex Pfeiff. wfo--0000597040..... | 358 | ..... | 341, 342 |
| <i>Cereus eburneus</i> Salm-Dyck wfo--0000597041..... | 356 | <i>Cereus extensus</i> Salm-Dyck ex DC. wfo--0001430342..... | 341, 342 |
| <i>Cereus eburneus</i> var. <i>clavatus</i> Fobe wfo--0000738633..... | 411 | ..... | 341, 342 |
| <i>Cereus eburneus</i> var. <i>monstrosus</i> Salm-Dyck ex DC. wfo-- | | <i>Cereus eyriesii</i> Pfeiff. wfo--0000597078..... | 108 |
| 0000738634..... | 357 | <i>Cereus farinosus</i> Haage ex Salm-Dyck wfo--0000597079..... | 356 |
| <i>Cereus eburneus</i> var. <i>polygonus</i> Pfeiff. wfo--0000597044..... | 357 | ..... | 356 |
| ..... | 357 | <i>Cereus fascicularis</i> (Meyen) K.Schum. wfo--0000597081..... | 163 |
| <i>Cereus edulis</i> F.A.C.Weber ex Rother wfo--0000597045..... | 358 | ..... | 163 |
| ..... | 358 | <i>Cereus fascicularis</i> Meyen wfo--0000597080..... | 163 |
| <i>Cereus ehrenbergii</i> Pfeiff. wfo--0000597046..... | 90 | <i>Cereus faustianus</i> Backeb. wfo--0000597082..... | 30 |
| <i>Cereus eichlamii</i> (Britton & Rose) Standl. wfo-- | | <i>Cereus fendleri</i> Engelm. wfo--0000597083..... | 93 |
| 0000597047..... | 238 | | |
| <i>Cereus ekmanii</i> Werderm. wfo--0000597048..... | 177 | | |

| | | | |
|--|-----|--|-----|
| <i>Cereus fendleri</i> var. <i>pauperculus</i> Engelm. wfo-- 0000597084..... | 93 | <i>Cereus funkii</i> K.Schum. wfo--0000597121 | 179 |
| <i>Cereus fercheckii</i> J.Parm. wfo--0000597085 | 180 | <i>Cereus galapagensis</i> F.A.C.Weber wfo--0000597122 ... | 171 |
| <i>Cereus fernambucensis</i> Lem. wfo--0000597087 | 39 | <i>Cereus garambello</i> Haage ex C.F.Först. wfo--0000597123 | 254 |
| <i>Cereus fernambucensis</i> subsp. <i>fernambucensis</i> wfo-- 0001254661..... | 39 | <i>Cereus gaumeri</i> (Britton & Rose) Standl. wfo--0000597124 | 311 |
| <i>Cereus fernambucensis</i> subsp. <i>sericifer</i> (F.Ritter) N.P.Taylor & Zappi wfo--0000597088..... | 39 | <i>Cereus geminatus</i> Otto ex Pfeiff. wfo--0000597125..... | 108 |
| <i>Cereus ferox</i> Haw. wfo--0000597089 | 54 | <i>Cereus geminisetus</i> Rchb. wfo--0000597126 | 398 |
| <i>Cereus fimbriatus</i> (Lam.) DC. wfo--0000597090 | 357 | <i>Cereus gemmatus</i> Otto wfo--0001288213 | 192 |
| <i>Cereus fimbriatus</i> Pfeiff. wfo--0000597091 | 411 | <i>Cereus gemmatus</i> Zucc. ex Pfeiff. wfo--0000597127.... | 192 |
| <i>Cereus flagelliformis</i> (L.) Mill. wfo--0000597092 | 9 | <i>Cereus geometrizans</i> Mart. ex Pfeiff. wfo--0000597128 | 254 |
| <i>Cereus flagelliformis</i> var. <i>funkii</i> Walp. wfo--0000738640 | 411 | <i>Cereus geometrizans</i> var. <i>cochal</i> (Orcutt) K.Brandege wfo-- --0000597129..... | 254 |
| <i>Cereus flagelliformis</i> var. <i>leptophis</i> (DC.) K.Schum. wfo-- 0000597093..... | 9 | <i>Cereus geometrizans</i> var. <i>pugionifer</i> (Lem.) Salm-Dyck wfo-- --0001430343..... | 254 |
| <i>Cereus flagelliformis</i> var. <i>mallisonii</i> Walp. wfo-- 0000738641..... | 388 | <i>Cereus geometrizans</i> var. <i>pugioniferus</i> (Lem.) Salm-Dyck wfo--0000738863 | 254 |
| <i>Cereus flagelliformis</i> var. <i>minor</i> Salm-Dyck ex Pfeiff. wfo-- 0000597094..... | 9 | <i>Cereus geometrizans</i> var. <i>quadrangularispinus</i> Lem. ex Labour. wfo--0001430344 | 254 |
| <i>Cereus flagelliformis</i> var. <i>minor</i> Salm-Dyck wfo-- 0000738642..... | 9 | <i>Cereus ghiesbreghtii</i> K.Schum. wfo--0000597131 | 396 |
| <i>Cereus flagelliformis</i> var. <i>nothus</i> Walp. wfo--0000738643 | 411 | <i>Cereus gibbosus</i> (Haw.) Pfeiff. wfo--0001288214 | 153 |
| <i>Cereus flagelliformis</i> var. <i>schottii</i> Walp. wfo--0000738644 | 411 | <i>Cereus gibbosus</i> (Haw.) Sweet wfo--0000597132 | 153 |
| <i>Cereus flagelliformis</i> var. <i>smithii</i> Walp. wfo--0000738646 | 411 | <i>Cereus giganteus</i> Engelm. wfo--0000597133 | 35 |
| <i>Cereus flagelliformis</i> var. <i>speciosus</i> Salm-Dyck wfo-- 0000738647..... | 411 | <i>Cereus gilliesii</i> F.A.C.Weber wfo--0001288215 | 347 |
| <i>Cereus flagriformis</i> Zucc. ex Pfeiff. wfo--0000597095..... | 9 | <i>Cereus gilvus</i> Salm-Dyck wfo--0000597134 | 178 |
| <i>Cereus flavescens</i> Otto ex Pfeiff. wfo--0000597096..... | 164 | <i>Cereus glaber</i> Eichlam wfo--0000597135 | 341 |
| <i>Cereus flavicomus</i> Salm-Dyck wfo--0000597098..... | 311 | <i>Cereus gladiator</i> Otto & A.Dietr. wfo--0000597136 | 254 |
| <i>Cereus flaviflorus</i> Engelm. ex J.M.Coult. wfo--0000597099 | 95 | <i>Cereus gladiator</i> var. <i>geometrizans</i> Monv. wfo-- 0001430345 | 254 |
| <i>Cereus flavispinus</i> (Colla) Haw. ex Steud. wfo-- 0000597101..... | 45 | <i>Cereus gladius</i> Lem. wfo--0000597137 | 346 |
| <i>Cereus flavispinus</i> Salm-Dyck wfo--0000597100 | 45 | <i>Cereus gladius</i> var. <i>courantii</i> Rümpler wfo--0000738864 | 346 |
| <i>Cereus flavispinus</i> var. <i>hexagonus</i> Salm-Dyck wfo-- 0000738648..... | 411 | <i>Cereus gladius</i> var. <i>vernaculatus</i> Monv. ex Labour. wfo-- 0000738866 | 411 |
| <i>Cereus flemingii</i> K.Schum. wfo--0001288210 | 388 | <i>Cereus gladiger</i> Cels ex Salm-Dyck wfo--0000597138 .. | 411 |
| <i>Cereus flexuosus</i> Engelm. wfo--0000597102..... | 357 | <i>Cereus gladilger</i> Lem. wfo--0000597139 | 411 |
| <i>Cereus floccosus</i> Pfeiff. wfo--0000597103 | 396 | <i>Cereus glaucus</i> Pfeiff. wfo--0000597142 | 39 |
| <i>Cereus fluminensis</i> Miq. wfo--0000597104 | 54 | <i>Cereus glaucus</i> Salm-Dyck wfo--0000597140 | 41 |
| <i>Cereus foersteri</i> Sencke wfo--0001288211..... | 312 | <i>Cereus glaucus</i> var. <i>speciosus</i> Pfeiff. wfo--0000738867 | 411 |
| <i>Cereus forbesii</i> C.F.Först. wfo--0000597105 | 39 | <i>Cereus glaziovii</i> K.Schum. wfo--0000597143 | 13 |
| <i>Cereus formosissimus</i> F.A.C.Weber wfo--0001288212 .. | 178 | <i>Cereus glomeratus</i> Engelm. ex Orcutt wfo--0001288216 | 95 |
| <i>Cereus formosus</i> C.F.Först. wfo--0000597107..... | 39 | <i>Cereus gloriosus</i> Pfeiff. wfo--0000597144 | 396 |
| <i>Cereus formosus</i> Monv. wfo--0000597106 | 397 | <i>Cereus glycimorphus</i> (C.F.Först. ex Rümpler) Orcutt wfo-- 0000597145 | 90 |
| <i>Cereus fossulatus</i> Backeb. wfo--0001289127..... | 276 | <i>Cereus glycimorphus</i> (C.F.Först. ex Rümpler) Orcutt wfo-- 0001430346 | 90 |
| <i>Cereus fouachianus</i> (F.A.C.Weber ex Rol.-Goss.) Vaupel wfo--0000597109..... | 396 | <i>Cereus goebelianus</i> Vaupel wfo--0000597146 | 55 |
| <i>Cereus foveolatus</i> J.N.Haage ex Pfeiff. wfo--0000597110 | 126 | <i>Cereus goiasensis</i> (F.Ritter) P.J.Braun wfo--0000597147 | 41 |
| <i>Cereus fragrans</i> (Small ex Britton & Rose) Little wfo-- 0000597111..... | 168 | <i>Cereus gonacanthus</i> Engelm. & J.M.Bigelow wfo-- 0000597148 | 102 |
| <i>Cereus fricii</i> Backeb. wfo--0000597113 | 40 | <i>Cereus gonacanthus</i> Engelm. & J.M.Bigelow wfo-- 0001288217 | 102 |
| <i>Cereus fulvibarbis</i> Otto & A.Dietr. wfo--0000597115.... | 178 | <i>Cereus gonzalezii</i> F.A.C.Weber wfo--0000597149 | 378 |
| <i>Cereus fulviceps</i> (F.A.C.Weber) A.Berger wfo--0000597116 | 36 | <i>Cereus gounellei</i> (F.A.C.Weber ex K.Schum.) Luetzelb. wfo-- --0000597150..... | 387 |
| <i>Cereus fulvispinosus</i> Haw. wfo--0000597117 | 398 | <i>Cereus gracilis</i> Haw. wfo--0000597154 | 411 |
| <i>Cereus fulvispinus</i> Salm-Dyck wfo--0000597118..... | 180 | <i>Cereus gracilis</i> Mill. wfo--0000597151..... | 168 |
| | | <i>Cereus gracilis</i> var. <i>aboriginum</i> (Small ex Britton & Rose) L.D.Benson wfo--0001430347..... | 167 |
| | | <i>Cereus gracilis</i> var. <i>simpsonii</i> (Small ex Britton & Rose) L.D.Benson wfo--0000597155..... | 168 |

| | |
|---|---|
| <i>Cereus grandicostatus</i> Werderm. wfo--0000597156 42 | <i>Cereus guatemalensis</i> (Britton & Rose) Vaupel wfo-- 0000597169 5 |
| <i>Cereus grandiflorus</i> (L.) Mill. wfo--0000597157 341 | <i>Cereus guatemalensis</i> (Eichlam ex Weing.) A.Berger wfo-- 0000597170 342 |
| <i>Cereus grandiflorus</i> var. <i>affinis</i> Salm-Dyck wfo-- 0001288218 341 | <i>Cereus guelichii</i> Speg. wfo--0000597171 168 |
| <i>Cereus grandiflorus</i> var. <i>armatus</i> (K.Schum.) L.D.Benson wfo--0000597158 341 | <i>Cereus guentheri</i> (Kupper) Werderm. wfo--0000597173 377 |
| <i>Cereus grandiflorus</i> var. <i>barbadensis</i> A.Berger wfo-- 0000738868 411 | <i>Cereus gummatum</i> Hildm. wfo--0001288224 357 |
| <i>Cereus grandiflorus</i> var. <i>callicanthus</i> Rümpler wfo-- 0000738869 388 | <i>Cereus gummosus</i> Hort. ex K.Schum. wfo--0001288225 357 |
| <i>Cereus grandiflorus</i> var. <i>flemingii</i> Rümpler wfo-- 0000738870 411 | <i>Cereus gummosus</i> Engelm. wfo--0000597174 357 |
| <i>Cereus grandiflorus</i> var. <i>grusonianus</i> Britton & Rose wfo-- 0000738871 411 | <i>Cereus haagae</i> (Backeb.) N.P.Taylor wfo--0000597175 43 |
| <i>Cereus grandiflorus</i> var. <i>haitiensis</i> K.Schum. wfo-- 0000738872 411 | <i>Cereus haematuricus</i> F.A.C.Weber ex K.Schum. wfo-- 0001288226 40 |
| <i>Cereus grandiflorus</i> var. <i>hybridus</i> Haage ex C.F.Först. wfo-- -0000738873 411 | <i>Cereus haitiensis</i> A.R.Franck & Peguero wfo--0001430352 39 |
| <i>Cereus grandiflorus</i> var. <i>maximiliani</i> Britton & Rose wfo-- 0000738874 411 | <i>Cereus haitiensis</i> Schelle wfo--0001288227 39, 411 |
| <i>Cereus grandiflorus</i> var. <i>maynardii</i> Paxton wfo-- 0000738875 391 | <i>Cereus haitiensis</i> Schelle wfo--0001430353 39, 411 |
| <i>Cereus grandiflorus</i> var. <i>mexicanus</i> Britton & Rose wfo-- 0000738877 411 | <i>Cereus hallensis</i> Weing. ex Borg wfo--0000745720 342 |
| <i>Cereus grandiflorus</i> var. <i>minor</i> Salm-Dyck ex C.F.Först. wfo-- -0000738878 341 | <i>Cereus hamatus</i> Scheidw. wfo--0000597176 342 |
| <i>Cereus grandiflorus</i> var. <i>ophites</i> K.Schum. wfo-- 0001430348 343 | <i>Cereus hankeanus</i> F.A.C.Weber ex K.Schum. wfo-- 0000597177 40 |
| <i>Cereus grandiflorus</i> var. <i>ruber</i> Rümpler wfo--0000738879 411 | <i>Cereus hansii</i> Haage wfo--0001288228 411 |
| <i>Cereus grandiflorus</i> var. <i>schmidtii</i> A.Berger wfo-- 0000738880 411 | <i>Cereus hassleri</i> K.Schum. wfo--0000597179 343 |
| <i>Cereus grandiflorus</i> var. <i>speciosissimus</i> Pfeiff. wfo-- 0000738881 411 | <i>Cereus haworthii</i> DC. wfo--0000597180 398 |
| <i>Cereus grandiflorus</i> var. <i>spectabilis</i> Karw. ex C.F.Först. wfo-- -0000738882 411 | <i>Cereus haynei</i> (Otto ex Salm-Dyck) Croucher wfo-- 0000597181 239 |
| <i>Cereus grandiflorus</i> var. <i>uranos</i> (B.Schulz) K.Schum. wfo-- 0001430349 341 | <i>Cereus hempelianus</i> Bauer wfo--0001288229 369 |
| <i>Cereus grandiflorus</i> var. <i>uranos</i> (B.Schulz) Schelle wfo-- 0000738883 341 | <i>Cereus hempelii</i> (Fobe) Mottet wfo--0001430354 93 |
| <i>Cereus grandiflorus</i> var. <i>uranus</i> Riccob. wfo--0001288219 341 | <i>Cereus hendriksenianus</i> Backeb. wfo--0000597182 276 |
| <i>Cereus grandiflorus</i> var. <i>viridiflorus</i> Woodson wfo-- 0000738884 411 | <i>Cereus heptagonus</i> (L.) Mill. wfo--0000597184 357 |
| <i>Cereus grandis</i> Haw. wfo--0000597159 39 | <i>Cereus hermannianus</i> Suringar wfo--0000597185 42 |
| <i>Cereus grandis</i> var. <i>gracillior</i> Salm-Dyck ex Labour. wfo-- 0000738885 39 | <i>Cereus hermentianus</i> Monv. ex Lem. wfo--0000597186 422 |
| <i>Cereus grandis</i> var. <i>ramosior</i> Salm-Dyck ex Labour. wfo-- 0000738886 39 | <i>Cereus hertrichianus</i> Werderm. wfo--0000597187 411 |
| <i>Cereus grandispinus</i> Haw. wfo--0000597160 357 | <i>Cereus herzogianus</i> Backeb. wfo--0000597188 411 |
| <i>Cereus greggii</i> Engelm. wfo--0000597161 303 | <i>Cereus heteracanthus</i> Tweedie ex Sweet wfo-- 0000597189 411 |
| <i>Cereus greggii</i> var. <i>cismontanus</i> Engelm. wfo-- 0001430350 303 | <i>Cereus heteromorphus</i> Monv. wfo--0001288230 178 |
| <i>Cereus greggii</i> var. <i>roseiflorus</i> Kunze wfo--0001430351303 | <i>Cereus hexaedrus</i> Engelm. & J.M.Bigelow wfo-- 0000597190 102 |
| <i>Cereus greggii</i> var. <i>transmontanus</i> Engelm. wfo-- 0000597164 303 | <i>Cereus hexagonus</i> (L.) Mill. wfo--0000597191 38, 40 |
| <i>Cereus greggii</i> W.Watson wfo--0000597162 411 | <i>Cereus hexangularis</i> Pfeiff. wfo--0000597192 39 |
| <i>Cereus grenadensis</i> Britton & Rose wfo--0000597165 42 | <i>Cereus hildmannianus</i> K.Schum. wfo--0000597193 40 |
| <i>Cereus griseus</i> Haw. wfo--0000597166 356 | <i>Cereus hildmannianus</i> subsp. <i>hildmannianus</i> wfo-- 0001254935 41 |
| <i>Cereus grossei</i> Weing. wfo--0000597167 45 | <i>Cereus hildmannianus</i> subsp. <i>uruguayanus</i> (R.Kiesling) N.P.Taylor wfo--0001430355 41 |
| <i>Cereus grusonianus</i> Weing. wfo--0000597168 343 | <i>Cereus hildmannianus</i> subsp. <i>xanthocarpus</i> (K.Schum.) P.J.Braun & Esteves wfo--0000597195 40 |
| <i>Cereus guasabara</i> Cortés wfo--0001288223 398 | <i>Cereus hildmannii</i> K.Schum. wfo--0001288232 399 |
| | <i>Cereus hirschtianus</i> K.Schum. wfo--0000597196 5 |
| | <i>Cereus hoffmannseggii</i> C.F.Först. wfo--0000597197 126 |
| | <i>Cereus hollianus</i> F.A.C.Weber ex J.M.Coult. wfo-- 0000597198 174 |
| | <i>Cereus hondurensis</i> K.Schum. ex Weing. wfo--0000597199 342 |
| | <i>Cereus hoogendorpii</i> Kuntze wfo--0001288233 36 |
| | <i>Cereus hookeri</i> (Haw.) Pfeiff. wfo--0000597200 109 |
| | <i>Cereus hoppenstedtii</i> (F.A.C.Weber) A.Berger wfo-- 0001288234 36 |

| | | | |
|---|-----|--|-----|
| <i>Cereus hoppenstedtii</i> (F.A.C.Weber) K.Schum. wfo-- 0000597201..... | 36 | <i>Cereus jamaclaru</i> var. <i>glaucus</i> Ladenberg wfo-- 0000738892..... | 41 |
| <i>Cereus hoppenstedtii</i> (Roezl ex Rümpler) A.Berger wfo-- 0001430356..... | 36 | <i>Cereus janthothele</i> Monv. ex Salm-Dyck wfo--0000597246 | 306 |
| <i>Cereus horizontalis</i> Gillies ex Sweet wfo--0000597202..... | 411 | <i>Cereus jasmineus</i> Pfeiff. wfo--0000597247..... | 108 |
| <i>Cereus horrens</i> Lem. wfo--0000597203..... | 398 | <i>Cereus jenkinsonii</i> Sweet wfo--0000745177..... | 85 |
| <i>Cereus horribarbis</i> Salm-Dyck wfo--0000597205..... | 41 | <i>Cereus jenkinsonii</i> var. <i>verus</i> Haage ex C.F.Först. wfo-- 0000738893..... | 411 |
| <i>Cereus horribilis</i> A.Berger wfo--0000597206..... | 6 | <i>Cereus joconostle</i> F.A.C.Weber wfo--0001288242..... | 358 |
| <i>Cereus horridus</i> Otto ex Pfeiff. wfo--0000597207..... | 40 | <i>Cereus johnstonii</i> (Britton & Rose) A.Berger wfo-- 0000597249..... | 303 |
| <i>Cereus horridus</i> var. <i>alatosquamatus</i> Werderm. wfo-- 0000597208..... | 40 | <i>Cereus josselinaeus</i> D.Gaillard wfo--0001288243..... | 412 |
| <i>Cereus horrispinus</i> Backeb. wfo--0000597209..... | 41 | <i>Cereus jubatus</i> Salm-Dyck ex C.F.Först. wfo--0000597250 | 311 |
| <i>Cereus houletii</i> (Lem.) A.Berger wfo--0001288235..... | 311 | <i>Cereus jugatiflorus</i> Werderm. wfo--0000597251..... | 412 |
| <i>Cereus houletii</i> Lem. wfo--0000597210..... | 311 | <i>Cereus jusbertii</i> Rebut ex K.Schum. wfo--0000597252..... | 169 |
| <i>Cereus huascha</i> F.A.C.Weber wfo--0000597211..... | 348 | <i>Cereus jusbertii</i> Rebut wfo--0001430357..... | 169 |
| <i>Cereus huascha</i> var. <i>flaviflora</i> Speg. wfo--0001434710..... | 348 | <i>Cereus kageneckii</i> C.C.Gmel. ex Pfeiff. wfo--0000597253 | 164 |
| <i>Cereus huascha</i> var. <i>flaviflorus</i> F.A.C.Weber wfo-- 0000597212..... | 348 | <i>Cereus kalbreyerianus</i> Wercklé wfo--0000597254..... | 256 |
| <i>Cereus huascha</i> var. <i>rubriflorus</i> F.A.C.Weber wfo-- 0000597213..... | 348 | <i>Cereus karstenii</i> Salm-Dyck wfo--0000597255..... | 342 |
| <i>Cereus huilunchu</i> Cárdenas wfo--0000597214..... | 41 | <i>Cereus karwinskii</i> Haage wfo--0001288244..... | 398 |
| <i>Cereus huitcholensis</i> F.A.C.Weber wfo--0000597216..... | 94 | <i>Cereus kerberi</i> K.Schum. wfo--0000597256..... | 358 |
| <i>Cereus humboldtianus</i> Backeb. wfo--0000597217..... | 411 | <i>Cereus kewensis</i> Worsley wfo--0001288245..... | 389 |
| <i>Cereus humboldtii</i> (Kunth) DC. wfo--0000597218..... | 31 | <i>Cereus keyensis</i> (Britton & Rose) Vaupel wfo--0000597257 | 314 |
| <i>Cereus humilis</i> DC. wfo--0000597219..... | 398 | <i>Cereus knightii</i> Parm. ex Pfeiff. wfo--0000597261..... | 175 |
| <i>Cereus humilis</i> var. <i>minor</i> Pfeiff. wfo--0000738890..... | 411 | <i>Cereus knippelianus</i> (Liebner) Orcutt wfo--0000597262..... | 94 |
| <i>Cereus huntingtonianus</i> Weing. wfo--0000597220..... | 398 | <i>Cereus kreggii</i> K.Schum. wfo--0000597263..... | 412 |
| <i>Cereus huottii</i> J.F.Cels wfo--0001288236..... | 106 | <i>Cereus kroeneinii</i> (R.Kiesling) P.J.Braun & Esteves wfo-- 0001253006..... | 42 |
| <i>Cereus hyalacanthus</i> K.Schum. wfo--0000597221..... | 46 | <i>Cereus kroenleinii</i> N.P.Taylor wfo--0000597264..... | 42 |
| <i>Cereus hybridus</i> Otto wfo--0000597222..... | 85 | <i>Cereus kunthianus</i> Hort.Berol. ex Salm-Dyck wfo-- 0000597265..... | 343 |
| <i>Cereus hypogaeus</i> F.A.C.Weber ex Regel wfo-- 0000597223..... | 16 | <i>Cereus labouretianus</i> Mart. wfo--0001288246..... | 398 |
| <i>Cereus hystrix</i> (Haw.) Salm-Dyck wfo--0000597224..... | 357 | <i>Cereus laetevirens</i> Pfeiff. wfo--0000597267..... | 412 |
| <i>Cereus hystrix</i> Sweet wfo--0000597225..... | 411 | <i>Cereus laetevirens</i> Salm-Dyck wfo--0000597266..... | 39 |
| <i>Cereus ianthothele</i> Monv. wfo--0001288237..... | 306 | <i>Cereus laetevirens</i> var. <i>caesius</i> C.F.Först. wfo-- 0000738895..... | 412 |
| <i>Cereus icosagonus</i> (Kunth) DC. wfo--0000597227..... | 31 | <i>Cereus laetus</i> (Kunth) DC. wfo--0000597268..... | 12 |
| <i>Cereus ictidurus</i> Greene wfo--0001288238..... | 411 | <i>Cereus laetus</i> Salm-Dyck wfo--0000597269..... | 39 |
| <i>Cereus imbricatus</i> Haw. wfo--0000597228..... | 75 | <i>Cereus laevigatus</i> Salm-Dyck wfo--0000597270..... | 358 |
| <i>Cereus imbricatus</i> Pfeiff. wfo--0000597229..... | 75 | <i>Cereus laevigatus</i> var. <i>guatemalensis</i> Eichlam wfo-- 0000597272..... | 238 |
| <i>Cereus incrassatus</i> Link & Otto wfo--0001288239..... | 398 | <i>Cereus lageniformis</i> C.F.Först. wfo--0000597273..... | 368 |
| <i>Cereus incrustans</i> Steud. wfo--0000597230..... | 192 | <i>Cereus lamprochlorus</i> Lem. wfo--0000597274..... | 402 |
| <i>Cereus incrustatus</i> Pfeiff. wfo--0000597231..... | 192 | <i>Cereus lamprochlorus</i> var. <i>salinicola</i> Speg. wfo-- 0000597275..... | 346 |
| <i>Cereus incurvispinus</i> Otto & A.Dietr. wfo--0000597232..... | 3 | <i>Cereus lamprospermus</i> K.Schum. wfo--0000597276..... | 41 |
| <i>Cereus inermis</i> Otto ex Pfeiff. wfo--0000597233..... | 342 | <i>Cereus lamprospermus</i> subsp. <i>colosseus</i> (F.Ritter) P.J.Braun & Esteves wfo--0001430358..... | 42 |
| <i>Cereus inermis</i> Scheidw. wfo--0000597234..... | 15 | <i>Cereus lamprospermus</i> subsp. <i>lamprospermus</i> wfo-- 0001434711..... | 42 |
| <i>Cereus insularis</i> Hemsl. wfo--0000597235..... | 41 | <i>Cereus lanatus</i> (Kunth) DC. wfo--0000597277..... | 133 |
| <i>Cereus intricatus</i> Salm-Dyck wfo--0000597236..... | 349 | <i>Cereus lanatus</i> subsp. <i>sericatus</i> (Backeb.) Werderm. wfo-- 0000597278..... | 134 |
| <i>Cereus inversus</i> C.F.Först. wfo--0001288240..... | 344 | <i>Cereus lanceanus</i> Don wfo--0001288247..... | 344 |
| <i>Cereus iquiquensis</i> K.Schum. wfo--0000597238..... | 135 | <i>Cereus landbeckii</i> Phil. ex Regel wfo--0000597279..... | 38 |
| <i>Cereus irradians</i> Lem. wfo--0000597239..... | 343 | <i>Cereus landbeckii</i> var. <i>phillipii</i> Rob. wfo--0001430359..... | 38 |
| <i>Cereus isogonus</i> K.Schum. wfo--0000597240..... | 31 | <i>Cereus langlassei</i> Weing. wfo--0001288248..... | 398 |
| <i>Cereus jacquinii</i> Rebut wfo--0001288241..... | 398 | <i>Cereus laniceps</i> K.Schum. wfo--0000597280..... | 46 |
| <i>Cereus jajoianus</i> Backeb. wfo--0000597241..... | 32 | <i>Cereus lanosus</i> (F.Ritter) P.J.Braun wfo--0000597282..... | 42 |
| <i>Cereus jalapaensis</i> Vaupel wfo--0000597242..... | 341 | | |
| <i>Cereus jamaclaru</i> DC. wfo--0000597243..... | 41 | | |
| <i>Cereus jamaclaru</i> subsp. <i>calcirupicola</i> (F.Ritter) N.P.Taylor & Zappi wfo--0000597244..... | 41 | | |
| <i>Cereus jamaclaru</i> subsp. <i>goiasensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000597245..... | 41 | | |
| <i>Cereus jamaclaru</i> subsp. <i>jamaclaru</i> wfo--0001254663..... | 41 | | |
| <i>Cereus jamaclaru</i> var. <i>caesius</i> Salm-Dyck wfo--0000738891 | 41 | | |

| | | | |
|--|-----|--|------|
| <i>Cereus lanuginosus</i> (L.) Haw. wfo---0000597284 | 311 | <i>Cereus macrostibas</i> var. <i>roseiflorus</i> Werderm. & Backeb. wfo---0001288036 | 255 |
| <i>Cereus lanuginosus</i> (L.) Mill. wfo---0000597283 | 311 | <i>Cereus maculatus</i> Weing. wfo---0000597326 | 4, 5 |
| <i>Cereus lanuginosus</i> var. <i>aureus</i> Pfeiff. wfo---0000738896 | 412 | <i>Cereus maelenii</i> Pfeiff. wfo---0000597327 | 367 |
| <i>Cereus lanuginosus</i> var. <i>glaucescens</i> Pfeiff. wfo--- 0000738897 | 412 | <i>Cereus magnus</i> Haw. wfo---0000597328 | 398 |
| <i>Cereus lasianthus</i> K.Schum. wfo---0000597285 | 182 | <i>Cereus mallentianus</i> J.F.Cels ex K.Schum. wfo--- 0001288262 | 422 |
| <i>Cereus lateribarbatulus</i> Lem. wfo---0000597286 | 36 | <i>Cereus malletianus</i> J.F.Cels ex K.Schum. wfo---0000597329 | 398 |
| <i>Cereus lateritius</i> Salm-Dyck wfo---0001288249 | 85 | <i>Cereus mallisonii</i> Otto & A.Dietr. wfo---0001254263..... | 391 |
| <i>Cereus latifrons</i> Zucc. ex Pfeiff. wfo---0000597287 | 110 | <i>Cereus mamillatus</i> Engelm. ex J.M.Coult. wfo--- 0000597331 | 89 |
| <i>Cereus lauterbachii</i> K.Schum. ex Chodat & Hassl. wfo--- 0000597288 | 315 | <i>Cereus margaritensis</i> J.R.Johnst. wfo---0000597332 | 42 |
| <i>Cereus lecchii</i> Pfeiff. wfo---0000597289 | 164 | <i>Cereus margaritensis</i> var. <i>micracanthus</i> Hummelinck wfo-- -0000597333 | 40 |
| <i>Cereus leeanus</i> Hook. wfo---0000597290 | 97 | <i>Cereus marginatus</i> DC. wfo---0000597334 | 192 |
| <i>Cereus lehmannii</i> C.F.Först. wfo---0000597291 | 219 | <i>Cereus marginatus</i> f. <i>gibbosus</i> J.A.Purpus wfo--- 0000597337 | 412 |
| <i>Cereus leiocarpus</i> Bello wfo---0000597293 | 396 | <i>Cereus marginatus</i> Salm-Dyck wfo---0000597335 | 110 |
| <i>Cereus lemairei</i> Hook. wfo---0000597294 | 342 | <i>Cereus marginatus</i> var. <i>cristatus</i> Benth. wfo---0001430361 | 192 |
| <i>Cereus lemoinei</i> Möllers wfo---0001288250 | 342 | <i>Cereus marginatus</i> var. <i>monstrosus</i> Aug.DC. wfo--- 0001430362 | 192 |
| <i>Cereus leonensis</i> (Mathsson) Orcutt wfo---0000597295 .. | 97 | <i>Cereus mariculi</i> Pfeiff. wfo---0000597338 | 398 |
| <i>Cereus leonii</i> (Britton & Rose) Vaupel wfo---0000597296 | 177 | <i>Cereus maritimus</i> J.M.Coult. wfo---0000597339 | 95 |
| <i>Cereus lepidanthus</i> Eichlam wfo---0000597297 | 174 | <i>Cereus maritimus</i> M.E.Jones wfo---0001288263 | 95 |
| <i>Cereus lepidotus</i> Salm-Dyck wfo---0000597298 | 40 | <i>Cereus markgrafii</i> (Backeb. & Voll) P.J.Braun wfo--- 0000597340 | 33 |
| <i>Cereus leptacanthus</i> DC. ex Pfeiff. wfo---0000597299 | 97 | <i>Cereus marmoratus</i> Zeiss. wfo---0001288264 | 398 |
| <i>Cereus leptacanthus</i> DC. ex Salm-Dyck wfo---0001430360 | 97 | <i>Cereus martianus</i> Zucc. ex Pfeiff. wfo---0000597341 | 9 |
| <i>Cereus leptophis</i> DC. wfo---0000597300 | 9 | <i>Cereus martianus</i> Zucc. wfo---0001288052 | 9 |
| <i>Cereus leucanthus</i> (Gillies ex Salm-Dyck) Pfeiff. wfo--- 0000597301 | 3 | <i>Cereus martini</i> Dupuis wfo---0000597344 | 398 |
| <i>Cereus leucostele</i> Gürke wfo---0000597302 | 359 | <i>Cereus martini</i> Mart. ex Lem. wfo---0000597343 | 412 |
| <i>Cereus limensis</i> Lodd. ex C.F.Först. wfo---0000597305 .. | 166 | <i>Cereus martinii</i> Labour. wfo---0000597342 | 169 |
| <i>Cereus limensis</i> Salm-Dyck wfo---0000597304 | 166 | <i>Cereus martinii</i> var. <i>perviridis</i> Weing. wfo---0000597345 | 169 |
| <i>Cereus lindbergianus</i> F.A.C.Weber ex K.Schum. wfo--- 0000597306 | 343 | <i>Cereus matucanensis</i> Backeb. wfo---0001289128 | 412 |
| <i>Cereus lindenzweigianus</i> Gürke wfo---0000597307 | 43 | <i>Cereus maxonii</i> (Rose) Vaupel wfo---0000597346 | 311 |
| <i>Cereus lindmanii</i> F.A.C.Weber ex K.Schum. wfo--- 0000597308 | 343 | <i>Cereus maynardii</i> J.Paxton wfo---0001288265 | 391 |
| <i>Cereus linkii</i> (Lehm.) Pfeiff. wfo---0000597309 | 288 | <i>Cereus megalanthus</i> K.Schum. ex Vaupel wfo--- 0000597348 | 342 |
| <i>Cereus linnaei</i> C.F.Först. wfo---0000597310 | 178 | <i>Cereus melanacanthus</i> (K.Schum.) Schelle wfo--- 0000597349 | 38 |
| <i>Cereus litoralis</i> Johow wfo---0000597311 | 179 | <i>Cereus melanostele</i> (Vaupel) A.Berger wfo---0000597350 | 134 |
| <i>Cereus lividus</i> Pfeiff. wfo---0000597312 | 41 | <i>Cereus melanostele</i> (Vaupel) Werderm. wfo---0001287946 | 134 |
| <i>Cereus lividus</i> var. <i>glauclior</i> Labour. wfo---0000738898 .. | 412 | <i>Cereus melanotrichus</i> K.Schum. wfo---0000597351 | 61 |
| <i>Cereus longicaudatus</i> F.A.C.Weber wfo---0000597313 .. | 345 | <i>Cereus melanurus</i> K.Schum. wfo---0000597352 | 13 |
| <i>Cereus longiflorus</i> Alexander wfo---0000597315 | 40 | <i>Cereus melocactus</i> (Vell.) A.Berger wfo---0000597353.... | 54 |
| <i>Cereus longifolius</i> Karw. ex Sweet wfo---0001288258 ... | 398 | <i>Cereus mendory</i> Pfeiff. wfo---0000597354 | 308 |
| <i>Cereus longipendunculatus</i> C.F.Först. wfo---0001288259 | 398 | <i>Cereus meonacanthus</i> Link & Otto ex Steud. wfo--- 0000597355 | 251 |
| <i>Cereus longisetus</i> Engelm. wfo---0000597316 | 94 | <i>Cereus merkeri</i> (Hildm.) A.Berger wfo---0000597356 | 93 |
| <i>Cereus longispinus</i> Salm-Dyck wfo---0000597317 | 135 | <i>Cereus mexicanus</i> Lem. ex C.F.Först. wfo---0000597357. 83 | |
| <i>Cereus lormata</i> C.A.Maass wfo---0001288260 | 398 | <i>Cereus meyenii</i> (Britton & Rose) Werderm. wfo--- 0000597359 | 60 |
| <i>Cereus luetzelburgii</i> Vaupel wfo---0000597318 | 359 | <i>Cereus micracanthus</i> DC. wfo---0000597360 | 412 |
| <i>Cereus lumbricoides</i> Lem. wfo---0000597319 | 176 | <i>Cereus micranthus</i> Vaupel wfo---0000597361 | 194 |
| <i>Cereus lutescens</i> Salm-Dyck ex Pfeiff. wfo---0000597320 | 398 | <i>Cereus microspermus</i> Werderm. & Backeb. wfo--- 0000597362 | 34 |
| <i>Cereus macdonaldiae</i> Hook. wfo---0000597321 | 343 | <i>Cereus microsphaericus</i> K.Schum. wfo---0000597363 ... | 334 |
| <i>Cereus macracanthus</i> Linke wfo---0001288261 | 398 | | |
| <i>Cereus macrocephalus</i> (F.A.C.Weber ex K.Schum.) A.Berger wfo---0000597322 | 37 | | |
| <i>Cereus macrogonus</i> Salm-Dyck wfo---0000597323 | 369 | | |
| <i>Cereus macrostibas</i> (K.Schum.) A.Berger wfo--- 0000597324 | 255 | | |

| | | | |
|--|-----|---|-----|
| <i>Cereus mieckleyanus</i> Weing. wfo--0000597364..... | 192 | <i>Cereus myosurus</i> Salm-Dyck ex DC. wfo--0000597399. | 175 |
| <i>Cereus milesimus</i> Rost wfo--0000597365 | 40 | <i>Cereus myosurus</i> var. <i>tenuior</i> Salm-Dyck wfo--0000738908 | 412 |
| <i>Cereus militaris</i> Audot wfo--0000597366..... | 278 | ..... | 412 |
| <i>Cereus militaris</i> var. <i>californicus</i> K.Schum. wfo-- | | <i>Cereus myriacaulon</i> Mart. ex Pfeiff. wfo--0000597400 | 398 |
| 0000738899..... | 412 | <i>Cereus myriophyllus</i> Gillies ex Otto wfo--0000597401. | 349 |
| <i>Cereus</i> Mill. wfo--4000007414 | 38 | <i>Cereus nanus</i> (Kunth) DC. wfo--0000597403..... | 271 |
| <i>Cereus millspaughii</i> (Britton) Vaupel wfo--0000597367 | 312 | <i>Cereus napoleonis</i> Graham wfo--0000597404..... | 344 |
| <i>Cereus minensis</i> Werderm. wfo--0000597368..... | 44 | <i>Cereus nashii</i> (Britton) Vaupel wfo--0000597405..... | 168 |
| <i>Cereus minor</i> Weing. wfo--0001288266..... | 9 | <i>Cereus nelsonii</i> Weing. wfo--0000597406 | 343 |
| <i>Cereus minutiflorus</i> (Britton & Rose) Vaupel wfo-- | | <i>Cereus neomexicanus</i> (Standl.) Tidestr. wfo--0000597407 | 95 |
| 0000597371..... | 342 | ..... | 95 |
| <i>Cereus mirabella</i> N.P.Taylor wfo--0000597372..... | 42 | <i>Cereus neonesioticus</i> (F.Ritter) P.J.Braun wfo-- | |
| <i>Cereus miravallensis</i> F.A.C.Weber wfo--0000597373 | 79 | 0000597408 | 41 |
| <i>Cereus mirbelii</i> Pfeiff. wfo--0000597374 | 192 | <i>Cereus neonesioticus</i> var. <i>interior</i> (F.Ritter) P.J.Braun wfo-- | |
| <i>Cereus mixtecensis</i> J.A.Purpus wfo--0000597375 | 315 | 0000597409 | 41 |
| <i>Cereus moennighoffii</i> D.F.Fisch. wfo--0001288267 | 9 | <i>Cereus neotetragonus</i> Backeb. wfo--0000597410..... | 39 |
| <i>Cereus moennighoffii</i> D.F.Fisch. wfo--0001430363..... | 9 | <i>Cereus nesioticus</i> K.Schum. wfo--0000597411 | 33 |
| <i>Cereus mohavensis</i> S.Watson wfo--0000597377 | 101 | <i>Cereus neumannii</i> K.Schum. wfo--0000597412 | 5 |
| <i>Cereus mojavensis</i> Engelm. & J.M.Bigelow wfo-- | | <i>Cereus nickelsii</i> Gürke wfo--0000597414..... | 37 |
| 0000597378..... | 101 | <i>Cereus niger</i> Salm-Dyck wfo--0000597415 | 398 |
| <i>Cereus mojavensis</i> Engelm. & J.M.Bigelow wfo-- | | <i>Cereus niger</i> var. <i>gracilior</i> Salm-Dyck wfo--0000738909 | 412 |
| 0001288268..... | 101 | ..... | 412 |
| <i>Cereus mojavensis</i> var. <i>zuniensis</i> Engelm. wfo-- | | <i>Cereus nigricans</i> Lem. wfo--0000597417..... | 398 |
| 0000597379..... | 101 | <i>Cereus nigricans</i> Pfeiff. wfo--0000597416 | 399 |
| <i>Cereus mollis</i> Pfeiff. wfo--0000597380 | 399 | <i>Cereus nigripilis</i> Phil. wfo--0000597418 | 179 |
| <i>Cereus mollis</i> var. <i>nigricans</i> Labour. wfo--0000738900. | 412 | <i>Cereus nigrispinus</i> Labour. ex K.Schum. wfo--0001288277 | 38 |
| <i>Cereus monacanthus</i> Cels ex K.Schum. wfo--0000597383 | 342 | ..... | 38 |
| ..... | 342 | <i>Cereus nitens</i> Salm-Dyck ex Otto & A.Dietr. wfo-- | |
| <i>Cereus monacanthus</i> Lem. wfo--0000597382..... | 342 | 0000597419 | 346 |
| <i>Cereus moniliformis</i> (L.) DC. wfo--0000597384 | 56 | <i>Cereus nitidus</i> Salm-Dyck wfo--0000597420 | 6 |
| <i>Cereus monoclonos</i> DC. wfo--0001430364 | 398 | <i>Cereus nobilis</i> Haw. wfo--0000597421 | 398 |
| <i>Cereus monoclonus</i> DC. wfo--0000597385 | 412 | <i>Cereus northumberlandianus</i> Lamb. wfo--0000597422 | 40 |
| <i>Cereus monstrosus</i> Steud. wfo--0000597386..... | 40 | <i>Cereus nothus</i> Blume wfo--0001288278..... | 398 |
| <i>Cereus monstrosus</i> var. <i>minor</i> Woodson wfo--0000738901 | 412 | <i>Cereus nothus</i> J.C.Wendl. wfo--0001288279 | 412 |
| ..... | 412 | <i>Cereus nudiflorus</i> Engelm. ex C.Wright wfo--0000597423 | 177 |
| <i>Cereus monstrosus</i> K.Schum. wfo--0000597387 | 40 | ..... | 177 |
| <i>Cereus montevidensis</i> Pfeiff. wfo--0000597388 | 126 | <i>Cereus nyctago</i> A.Berger wfo--0000597425 | 412 |
| <i>Cereus montezumae</i> Pfeiff. wfo--0000597389..... | 346 | <i>Cereus nycticalus</i> Link ex A.Dietr. wfo--0000597426.... | 343 |
| <i>Cereus monvilleanus</i> F.A.C.Weber ex K.Schum. wfo-- | | <i>Cereus nycticalus</i> var. <i>armatus</i> K.Schum. wfo-- | |
| 0000597390..... | 398 | 0000597427 | 341 |
| <i>Cereus moritzianus</i> Otto wfo--0000597391 | 312 | <i>Cereus nycticalus</i> var. <i>gracilior</i> Haage ex C.F.Först. wfo-- | |
| <i>Cereus mortensenii</i> (Croizat) D.R.Hunt & N.P.Taylor wfo-- | | 0000738910 | 412 |
| 0000597393..... | 42 | <i>Cereus nycticalus</i> var. <i>maximiliani</i> Arendt wfo-- | |
| <i>Cereus multangularis</i> (Willd.) Haw. wfo--0000597394 | 164 | 0000738911 | 412 |
| <i>Cereus multangularis</i> var. <i>albispinus</i> Salm-Dyck wfo-- | | <i>Cereus nycticalus</i> var. <i>peanii</i> Bég. wfo--0000738912 ... | 412 |
| 0000738902..... | 412 | <i>Cereus obtusangulus</i> K.Schum. wfo--0000597428..... | 335 |
| <i>Cereus multangularis</i> var. <i>limensis</i> (Salm-Dyck) C.A.Maass | | <i>Cereus obtusus</i> Haw. wfo--0000597429 | 39 |
| wfo--0000597395..... | 164 | <i>Cereus obtusus</i> Pfeiff. wfo--0000597430 | 341 |
| <i>Cereus multangularis</i> var. <i>pallidior</i> Pfeiff. wfo-- | | <i>Cereus ocamponis</i> Salm-Dyck wfo--0000597431 | 343 |
| 0000738904..... | 164 | <i>Cereus ochracanthus</i> Pfeiff. wfo--0000597432..... | 164 |
| <i>Cereus multangularis</i> var. <i>prolifer</i> Salm-Dyck wfo-- | | <i>Cereus octacanthus</i> (Muehlenpf.) J.M.Coult. wfo-- | |
| 0000738905..... | 412 | 0000597433 | 91 |
| <i>Cereus multangularis</i> var. <i>rufispinus</i> Haw. ex Fobe wfo-- | | <i>Cereus octogonus</i> Otto wfo--0000597434 | 412 |
| 0000738906..... | 164 | <i>Cereus olfersii</i> Salm-Dyck wfo--0000597436..... | 36 |
| <i>Cereus multiangularis</i> (Willd.) Haw. wfo--0001430365 | 164 | <i>Cereus oligolepis</i> Vaupel wfo--0000597437..... | 313 |
| <i>Cereus multicostatus</i> J.F.Cels wfo--0001288269 | 91 | <i>Cereus olivaceus</i> Lem. wfo--0000597438 | 357 |
| <i>Cereus multiplex</i> Pfeiff. wfo--0000597396 | 108 | <i>Cereus ophites</i> Lem. wfo--0001288280 | 341 |
| <i>Cereus multiplex</i> var. <i>monstrosus</i> Pfeiff. wfo--0000738907 | 108 | <i>Cereus ovatus</i> (Gillies ex Loudon) G.Don wfo--0000597440 | 362 |
| ..... | 108 | ..... | 362 |
| <i>Cereus munzii</i> Parish wfo--0000597397 | 92 | <i>Cereus ovatus</i> Pfeiff. wfo--0001430366..... | 362 |
| <i>Cereus murillii</i> (Britton & Rose) A.Berger wfo-- | | <i>Cereus oxygenus</i> (Link) Otto wfo--0000597441..... | 107 |
| 0000597398..... | 343 | | |

| | | | |
|--|---------|--|-----|
| <i>Cereus oxygonus</i> Salm-Dyck ex C.F.Först. wfo-- 0000597442..... | 36 | <i>Cereus pentalophus</i> var. <i>radicans</i> DC. wfo--0000597485 | 97 |
| <i>Cereus oxypetalus</i> DC. wfo--0000597443..... | 110 | <i>Cereus pentalophus</i> var. <i>simplex</i> DC. wfo--0000597486 | 97 |
| <i>Cereus pacalaensis</i> Backeb. wfo--0000597444..... | 164 | <i>Cereus pentalophus</i> var. <i>subarticulatus</i> DC. wfo-- 0000597487..... | 97 |
| <i>Cereus pachanoi</i> (Britton & Rose) Werderm. wfo-- 0000597445..... | 369 | <i>Cereus pentapterus</i> Otto ex Salm-Dyck wfo--0000597488 | 79 |
| <i>Cereus pachyrrhizus</i> K.Schum. wfo--0000597447..... | 398 | <i>Cereus pentlandii</i> (Hook.) J.F.Cels wfo--0001430369.... | 187 |
| <i>Cereus pacificus</i> J.M.Coult. wfo--0000597448..... | 96 | <i>Cereus pentlandii</i> var. <i>alboviolaceus</i> J.F.Cels wfo-- 0001430370..... | 187 |
| <i>Cereus palmeri</i> Engelm. ex J.M.Coult. wfo--0000597450 | 192 | <i>Cereus pentlandii</i> var. <i>aurantiacominiatus</i> J.F.Cels wfo-- 0001430371..... | 187 |
| <i>Cereus palmeri</i> F.A.C.Weber wfo--0000597449..... | 192 | <i>Cereus pentlandii</i> var. <i>aurantiacus</i> J.F.Cels wfo-- 0001430372..... | 187 |
| <i>Cereus paniculatus</i> (Lam.) DC. wfo--0000597451..... | 177 | <i>Cereus pentlandii</i> var. <i>calendulaceus</i> J.F.Cels wfo-- 0001430373..... | 187 |
| <i>Cereus panoplaeatus</i> Cels ex Salm-Dyck wfo--0000597452 | 398 | <i>Cereus pentlandii</i> var. <i>carmineus</i> J.F.Cels wfo-- 0001430374..... | 187 |
| <i>Cereus panoplaeatus</i> Monv. wfo--0001288281..... | 399 | <i>Cereus pentlandii</i> var. <i>carneoviolaceus</i> J.F.Cels wfo-- 0001430375..... | 187 |
| <i>Cereus panoploeatus</i> Monv. wfo--0001430367..... | 399 | <i>Cereus pentlandii</i> var. <i>carneus</i> J.F.Cels wfo--0001430376 | 187 |
| <i>Cereus papillosus</i> (Linke) A.Berger wfo--0000597453..... | 96 | <i>Cereus pentlandii</i> var. <i>carneus-marginatus</i> J.F.Cels wfo-- 0001430377..... | 187 |
| <i>Cereus paradisiacus</i> Vaupel wfo--0000597454..... | 341 | <i>Cereus pentlandii</i> var. <i>coccineus-novus</i> J.F.Cels wfo-- 0001430378..... | 187 |
| <i>Cereus paradoxus</i> Steud. wfo--0000597455..... | 33 | <i>Cereus pentlandii</i> var. <i>crocatus</i> J.F.Cels wfo--0001430379 | 187 |
| <i>Cereus paraensis</i> Huber wfo--0001287059..... | 412 | <i>Cereus pentlandii</i> var. <i>crocinomiltus</i> J.F.Cels wfo-- 0001430380..... | 187 |
| <i>Cereus paraguayensis</i> K.Schum. ex Chodat & Hassl. wfo-- 0000597456..... | 40 | <i>Cereus pentlandii</i> var. <i>dolichacanthus</i> J.F.Cels wfo-- 0001430381..... | 188 |
| <i>Cereus parasiticus</i> Haw. ex Steud. wfo--0000597458..... | 327 | <i>Cereus pentlandii</i> var. <i>elegans</i> J.F.Cels wfo--0001430382 | 188 |
| <i>Cereus parviflorus</i> K.Schum. wfo--0000597459..... | 46 | <i>Cereus pentlandii</i> var. <i>elegans-vittatus</i> J.F.Cels wfo-- 0001430383..... | 188 |
| <i>Cereus parvisetus</i> Pfeiff. wfo--0000597460..... | 14 | <i>Cereus pentlandii</i> var. <i>flammeoviolaceus</i> J.F.Cels wfo-- 0001430384..... | 188 |
| <i>Cereus parvulus</i> K.Schum. wfo--0000597461..... | 335 | <i>Cereus pentlandii</i> var. <i>flammeus</i> J.F.Cels wfo--0001430385 | 188 |
| <i>Cereus pasacana</i> (F.A.C.Weber ex Rümpler) F.A.C.Weber wfo--0000597462..... | 178 | <i>Cereus pentlandii</i> var. <i>floribundus-sanguineus</i> J.F.Cels wfo- --0001430386..... | 188 |
| <i>Cereus patagonicus</i> F.A.C.Weber ex Speg. wfo-- 0000597463..... | 16 | <i>Cereus pentlandii</i> var. <i>janthinus</i> J.F.Cels wfo--0001430387 | 188 |
| <i>Cereus paucispinus</i> Engelm. & Bigelow wfo--0000597464 | 91 | <i>Cereus pentlandii</i> var. <i>laevior</i> J.F.Cels wfo--0001430388 | 188 |
| <i>Cereus paucispinus</i> Engelm. wfo--0001288282..... | 91 | <i>Cereus pentlandii</i> var. <i>lateritius</i> J.F.Cels wfo--0001430389 | 188 |
| <i>Cereus paulensis</i> (Speg.) Werderm. wfo--0000597465..... | 54 | <i>Cereus pentlandii</i> var. <i>lilacinus</i> J.F.Cels wfo--0001430390 | 188 |
| <i>Cereus paxtonianus</i> Monv. ex Salm-Dyck wfo-- 0000597466..... | 316 | <i>Cereus pentlandii</i> var. <i>lilacinus-superbus</i> J.F.Cels wfo-- 0001430391..... | 188 |
| <i>Cereus peanii</i> Beguin wfo--0001288283..... | 399 | <i>Cereus pentlandii</i> var. <i>longispinus</i> J.F.Cels wfo-- 0001430392..... | 188 |
| <i>Cereus pecten-aboriginum</i> Engelm. ex S.Watson wfo-- 0000597467..... | 278 | <i>Cereus pentlandii</i> var. <i>luteoflammeus</i> J.F.Cels wfo-- 0001430393..... | 188 |
| <i>Cereus pectinatus</i> (Scheidw.) Engelm. wfo--000059746996 | 88 | <i>Cereus pentlandii</i> var. <i>luteoviolaceus</i> J.F.Cels wfo-- 0001430394..... | 188 |
| <i>Cereus pectinatus</i> f. <i>adustus</i> (Engelm.) Voss wfo-- 0000597470..... | 88 | <i>Cereus pentlandii</i> var. <i>marginatus</i> J.F.Cels wfo-- 0001430395..... | 188 |
| <i>Cereus pectinatus</i> f. <i>rufispinus</i> (Engelm.) Voss wfo-- 0000597474..... | 88 | <i>Cereus pentlandii</i> var. <i>maximilianus</i> J.F.Cels wfo-- 0001430396..... | 188 |
| <i>Cereus pectinatus</i> var. <i>armatus</i> Poselg. wfo--0000597471 | 98, 423 | | |
| <i>Cereus pectinatus</i> var. <i>centralis</i> J.M.Coult. wfo-- 0000597472..... | 337 | | |
| <i>Cereus pectinatus</i> var. <i>rigidissimus</i> Engelm. wfo-- 0000597473..... | 99 | | |
| <i>Cereus pectinifer</i> Labour. wfo--0001430368..... | 98 | | |
| <i>Cereus pectiniferus</i> Labour. wfo--0000597475..... | 96 | | |
| <i>Cereus pellucidus</i> Pfeiff. wfo--0000597476..... | 177 | | |
| <i>Cereus penicillatus</i> Gürke wfo--0000597477..... | 13 | | |
| <i>Cereus pensilis</i> K.Brandege wfo--0000597478..... | 254 | | |
| <i>Cereus pentaedrophorus</i> Labour. wfo--0000597481..... | 313 | | |
| <i>Cereus pentagonus</i> (L.) Haw. wfo--0000597482..... | 5 | | |
| <i>Cereus pentagonus</i> C.F.Först. wfo--0000597483..... | 6 | | |
| <i>Cereus pentagonus</i> var. <i>glaucus</i> C.Morel ex Labour. wfo-- 0000738913..... | 313 | | |
| <i>Cereus pentalophorus</i> Labour. wfo--0001288284..... | 313 | | |
| <i>Cereus pentalophus</i> DC. wfo--0000597484..... | 97 | | |

| | | | |
|---|-----|--|-----|
| <i>Cereus pentlandii</i> var. <i>miniatocarmineus</i> J.F.Cels wfo-- 0001430397..... | 188 | <i>Cereus peruvianus</i> var. <i>brasiliensis</i> C.F.Först. wfo-- 0000738914..... | 42 |
| <i>Cereus pentlandii</i> var. <i>miniatoroseus</i> J.F.Cels wfo-- 0001430398..... | 188 | <i>Cereus peruvianus</i> var. <i>cristatus</i> Graebener wfo-- 0000738915..... | 42 |
| <i>Cereus pentlandii</i> var. <i>miniatus</i> J.F.Cels wfo--0001430399 | 188 | <i>Cereus peruvianus</i> var. <i>monstrosus</i> DC. wfo--0000738916 | 40 |
| <i>Cereus pentlandii</i> var. <i>pulchellus</i> J.F.Cels wfo--0001430400 | 188 | <i>Cereus peruvianus</i> var. <i>ovicarpus</i> Hertrich wfo-- 0000597496..... | 41 |
| <i>Cereus pentlandii</i> var. <i>puniceus</i> J.F.Cels wfo--0001430401 | 188 | <i>Cereus peruvianus</i> var. <i>persicinus</i> Werderm. wfo-- 0000597497..... | 41 |
| <i>Cereus pentlandii</i> var. <i>pyracanthus</i> J.F.Cels wfo-- 0001430402..... | 188 | <i>Cereus peruvianus</i> var. <i>proferrens</i> Werderm. wfo-- 0000597498..... | 41 |
| <i>Cereus pentlandii</i> var. <i>rhodanthus</i> J.F.Cels wfo-- 0001430403..... | 188 | <i>Cereus peruvianus</i> var. <i>reclinatus</i> Werderm. wfo-- 0000597499..... | 41 |
| <i>Cereus pentlandii</i> var. <i>rhodianthinus</i> J.F.Cels wfo-- 0001430404..... | 188 | <i>Cereus perviridis</i> Weing. wfo--0001288288..... | 399 |
| <i>Cereus pentlandii</i> var. <i>rosaceus</i> J.F.Cels wfo--0001430405 | 188 | <i>Cereus pfeifferi</i> Parm. ex Pfeiff. wfo--0000597500..... | 311 |
| <i>Cereus pentlandii</i> var. <i>roseocarneus</i> J.F.Cels wfo-- 0001430406..... | 188 | <i>Cereus pfersdorffii</i> Hildm. ex K.Schum. wfo--0000597501 | 357 |
| <i>Cereus pentlandii</i> var. <i>roseovenosus</i> J.F.Cels wfo-- 0001430407..... | 188 | <i>Cereus phaeacanthus</i> Gürke wfo--0000597503..... | 33 |
| <i>Cereus pentlandii</i> var. <i>roseovinosus</i> J.F.Cels wfo-- 0001430408..... | 188 | <i>Cereus phaeacanthus</i> var. <i>breviflorus</i> (F.Ritter) P.J.Braun wfo--0000597504..... | 33 |
| <i>Cereus pentlandii</i> var. <i>roseus</i> J.F.Cels wfo--0001430409 | 188 | <i>Cereus phatnospermus</i> K.Schum. wfo--0000597505..... | 42 |
| <i>Cereus pentlandii</i> var. <i>salmineoviolaceus</i> J.F.Cels wfo-- 0001430410..... | 188 | <i>Cereus phatnospermus</i> subsp. <i>adelmarii</i> (Rizzini & A.Mattos) P.J.Braun & Esteves wfo--0000597506..... | 42 |
| <i>Cereus pentlandii</i> var. <i>salmoneus</i> J.F.Cels wfo-- 0001430411..... | 188 | <i>Cereus phatnospermus</i> subsp. <i>kroenleinii</i> (N.P.Taylor) P.J.Braun & Esteves wfo--0000597507..... | 42 |
| <i>Cereus pentlandii</i> var. <i>sanguineus</i> J.F.Cels wfo-- 0001430412..... | 188 | <i>Cereus philippii</i> Regel & Schmidt wfo--0000597508..... | 16 |
| <i>Cereus pentlandii</i> var. <i>scheeri</i> J.F.Cels wfo--0001430413 | 188 | <i>Cereus phoeniceus</i> Engelm. & Bigelow wfo--0000597509 | 91 |
| <i>Cereus pentlandii</i> var. <i>subflavus</i> J.F.Cels wfo--0001430414 | 188 | <i>Cereus phoeniceus</i> Engelm. wfo--0001288289..... | 91 |
| <i>Cereus pentlandii</i> var. <i>tardivus</i> J.F.Cels wfo--0001430415 | 188 | <i>Cereus phoeniceus</i> subsp. <i>conoideus</i> (Engelm. & J.M.Bigelow) Engelm. & J.M.Bigelow wfo--0001430422 | 91 |
| <i>Cereus pentlandii</i> var. <i>vinosus</i> J.F.Cels wfo--0001430416 | 188 | <i>Cereus phoeniceus</i> var. <i>pacificus</i> Engelm. wfo-- 0000597510..... | 95 |
| <i>Cereus pentlandii</i> var. <i>violaceomutabilis</i> J.F.Cels wfo-- 0001430417..... | 188 | <i>Cereus phyllanthoides</i> (DC.) DC. wfo--0000597511..... | 84 |
| <i>Cereus pentlandii</i> var. <i>violaceoroseus</i> J.F.Cels wfo-- 0001430418..... | 188 | <i>Cereus phyllanthoides</i> var. <i>albiflorus</i> Pfeiff. wfo-- 0000738917..... | 85 |
| <i>Cereus pentlandii</i> var. <i>violaceus</i> J.F.Cels wfo--0001430419 | 188 | <i>Cereus phyllanthoides</i> var. <i>curtisii</i> Salm-Dyck wfo-- 0000738918..... | 84 |
| <i>Cereus pentlandii</i> var. <i>vitellinus</i> J.F.Cels wfo--0001430420 | 188 | <i>Cereus phyllanthoides</i> var. <i>jenkinsonii</i> Salm-Dyck wfo-- 0000738660..... | 84 |
| <i>Cereus pepinianus</i> Lem. ex Salm-Dyck wfo--000059748957 | | <i>Cereus phyllanthoides</i> var. <i>quillardieri</i> Salm-Dyck wfo-- 0000738661..... | 84 |
| <i>Cereus per lucens</i> K.Schum. wfo--0000597490..... | 40 | <i>Cereus phyllanthoides</i> var. <i>vandesii</i> Salm-Dyck wfo-- 0000738663..... | 84 |
| <i>Cereus pernambucensis</i> Lem. wfo--0001288285..... | 39 | <i>Cereus phyllanthus</i> (L.) DC. wfo--0000597512..... | 110 |
| <i>Cereus perotetti</i> Pfeiff. wfo--0001288286..... | 412 | <i>Cereus piauhyensis</i> Gürke wfo--0000597514..... | 313 |
| <i>Cereus perrottetianus</i> Lem. wfo--0001288287..... | 40 | <i>Cereus pierre-braunianus</i> Esteves wfo--0000597515..... | 42 |
| <i>Cereus perrottetii</i> Pfeiff. wfo--0000597492..... | 412 | <i>Cereus pierrebraunianus</i> Esteves wfo--0001430423..... | 42 |
| <i>Cereus peruvianus</i> (L.) Mill. wfo--0000597493..... | 42 | <i>Cereus pitajaya</i> (Jacq.) DC. wfo--0000597516..... | 6 |
| <i>Cereus peruvianus</i> Hort. ex C.F.Först. wfo--0000597494 | 357 | <i>Cereus pitajaya</i> var. <i>variabilis</i> Weing. wfo--0000738664 | 399 |
| <i>Cereus peruvianus</i> subvar. <i>nanus</i> Salm-Dyck wfo-- 0001430421..... | 40 | <i>Cereus plagiostoma</i> Vaupel wfo--0000597517..... | 32 |
| <i>Cereus peruvianus</i> var. <i>alacriptortanus</i> (Pfeiff.) K.Schum. wfo--0000597495..... | 40 | <i>Cereus platinospinus</i> Werderm. & Backeb. wfo-- 0000597518..... | 166 |
| | | <i>Cereus platycarpus</i> Zucc. ex C.F.Först. wfo--0000597519 | 407 |
| | | <i>Cereus platycarpus</i> Zucc. wfo--0001430424..... | 407 |
| | | <i>Cereus platygonus</i> Otto wfo--0001430425..... | 168 |
| | | <i>Cereus platygonus</i> Salm-Dyck wfo--0000597520..... | 168 |
| | | <i>Cereus platygonus</i> Speg. wfo--0000597521..... | 43 |

| | | | |
|--|-----|---|-----|
| <i>Cereus pleiogonus</i> Labour. wfo--0000597522 | 97 | <i>Cereus pugionifer</i> K.Schum. wfo--0001288292 | 279 |
| <i>Cereus plumieri</i> Rol.-Goss. wfo--0000597523 | 344 | <i>Cereus pugionifer</i> Lem. wfo--0000597566 | 254 |
| <i>Cereus poco</i> Blossf. wfo--0000597525 | 350 | <i>Cereus pugionifer</i> var. <i>quadrangulispinus</i> Lem. ex C.F.Först. wfo--0001430427 | 254 |
| <i>Cereus polyacanthus</i> Engelm. wfo--0000597526 | 97 | <i>Cereus pulchellus</i> (Mart.) Pfeiff. wfo--0000597568 | 98 |
| <i>Cereus polyachaetus</i> Rchb. wfo--0000597527 | 412 | <i>Cereus purpureopilosus</i> Weing. wfo--0000597569 | 412 |
| <i>Cereus polychaetus</i> Walp. wfo--0001288290 | 38 | <i>Cereus purpureus</i> (Gürke) Luetzelb. wfo--0000597570 | 252 |
| <i>Cereus polygonatus</i> Pfeiff. wfo--0000597528 | 357 | <i>Cereus purpusii</i> Weing. wfo--0000597571 | 343 |
| <i>Cereus polygonus</i> (Lam.) DC. wfo--0000597529 | 314 | <i>Cereus pycnacanthus</i> Salm-Dyck wfo--0000597572 | 399 |
| <i>Cereus polylophus</i> DC. wfo--0000597530 | 37 | <i>Cereus quadrangularis</i> Haw. wfo--0000597573 | 39 |
| <i>Cereus polymorphus</i> (Gill.) G.Don wfo--0000597531 | 399 | <i>Cereus quadrangularis</i> Pfeiff. wfo--0000597574 | 412 |
| <i>Cereus polymorphus</i> C.F.Först. wfo--0000597532 | 363 | <i>Cereus quadrangulispinus</i> Lem. ex Ehrenb. wfo-- 0000597575 | 399 |
| <i>Cereus polyptychus</i> Lem. wfo--0000597533 | 399 | <i>Cereus quadricostatus</i> Bello wfo--0000597576 | 177 |
| <i>Cereus polyrhizus</i> F.A.C.Weber wfo--0000597534 | 342 | <i>Cereus queretaroensis</i> F.A.C.Weber ex Mathsson wfo-- 0000597577 | 358 |
| <i>Cereus pomanensis</i> F.A.C.Weber ex K.Schum. wfo-- 0000597536 | 169 | <i>Cereus quintero</i> Pfeiff. wfo--0000597579 | 178 |
| <i>Cereus pomanensis</i> var. <i>grossei</i> Graebener wfo-- 0000597537 | 412 | <i>Cereus quisco</i> Gay wfo--0000597580 | 178 |
| <i>Cereus pomanensis</i> var. <i>grossei</i> Weing. ex A.Berger wfo-- 0001261936 | 168 | <i>Cereus quisco</i> J.Rémy ex Gay wfo--0001434712 | 178 |
| <i>Cereus pomifer</i> Weing. wfo--0000597538 | 399 | <i>Cereus radicans</i> DC. wfo--0000597581 | 407 |
| <i>Cereus portoricensis</i> (Britton) Urb. wfo--0000597539 | 169 | <i>Cereus ramosus</i> Karw. ex Pfeiff. wfo--0000597582 | 6 |
| <i>Cereus poselgeri</i> (Lem.) J.M.Coult. wfo--0000597540 | 97 | <i>Cereus ramulosus</i> Salm-Dyck wfo--0000597583 | 173 |
| <i>Cereus poselgerianus</i> (Linke) A.Berger wfo--0000597541 | 89 | <i>Cereus recurvus</i> Link & Otto ex Steud. wfo--0000597584 | 140 |
| <i>Cereus pottsii</i> Salm-Dyck wfo--0000597542 | 303 | <i>Cereus reductus</i> (Link) DC. wfo--0000597585 | 160 |
| <i>Cereus princeps</i> Pfeiff. wfo--0000597543 | 6 | <i>Cereus reflexus</i> Steud. wfo--0000597586 | 308 |
| <i>Cereus pringlei</i> S.Watson wfo--0000597544 | 278 | <i>Cereus regalis</i> Haw. ex Spreng. wfo--0000597587 | 399 |
| <i>Cereus pringlei</i> var. <i>calvus</i> M.E.Jones wfo--0000597545 | 278 | <i>Cereus regelii</i> Weing. wfo--0000597588 | 169 |
| <i>Cereus prismaticus</i> (Willd.) Haw. ex Steud. wfo-- 0000597548 | 6 | <i>Cereus reichenbachianus</i> Labour. wfo--0000597591 | 98 |
| <i>Cereus prismaticus</i> (Willd.) Haw. wfo--0001287178 | 6 | <i>Cereus reichenbachianus</i> var. <i>castaneus</i> Labour. wfo-- 0000738666 | 98 |
| <i>Cereus prismaticus</i> Salm-Dyck ex DC. wfo--0000597547 | 343 | <i>Cereus remolinensis</i> Backeb. wfo--0000597592 | 42 |
| <i>Cereus prismatiformis</i> Pfeiff. wfo--0000597549 | 39 | <i>Cereus repandus</i> (L.) Haw. wfo--0001288333 | 42 |
| <i>Cereus procumbens</i> A.Gray wfo--0000597551 | 412 | <i>Cereus repandus</i> (L.) Mill. wfo--0000597593 | 42 |
| <i>Cereus procumbens</i> Engelm. wfo--0000597550 | 97 | <i>Cereus repandus</i> var. <i>laetevirens</i> Salm-Dyck wfo-- 0000738667 | 42 |
| <i>Cereus propinquus</i> Salm-Dyck ex Otto wfo--000059755297 | 97 | <i>Cereus reptans</i> Haw. ex Steud. wfo--0000597595 | 6 |
| <i>Cereus propinquus</i> var. <i>subarticulatus</i> Pfeiff. ex C.F.Först. wfo--0000738665 | 97 | <i>Cereus reptans</i> Salm-Dyck ex DC. wfo--0000597594 | 407 |
| <i>Cereus prostratus</i> (Britton & Rose) Werderm. wfo-- 0000597553 | 177 | <i>Cereus resupinatus</i> Salm-Dyck wfo--0000597596 | 357 |
| <i>Cereus proteiformis</i> (Salm-Dyck) Steud. wfo--0000597554 | 409 | <i>Cereus retroflexus</i> Pfeiff. wfo--0000597597 | 308 |
| <i>Cereus pruinatus</i> Rojas Acosta wfo--0001288291 | 399 | <i>Cereus rhodacanthus</i> (Salm-Dyck) F.A.C.Weber wfo-- 0001288334 | 79 |
| <i>Cereus pruinatus</i> (Otto ex Pfeiff.) C.F.Först. wfo-- 0000597555 | 358 | <i>Cereus rhodanthus</i> Gürke wfo--0000597598 | 13 |
| <i>Cereus pseudocaesius</i> Werderm. wfo--0000597556 | 39 | <i>Cereus rhodocephalus</i> Lem. wfo--0001288335 | 168 |
| <i>Cereus pseudomelanostele</i> var. <i>laredensis</i> Backeb. wfo-- 0001430426 | 164 | <i>Cereus rhodoleucanthus</i> K.Schum. wfo--0000597599 | 316 |
| <i>Cereus pseudomelanostele</i> Werderm. & Backeb. wfo-- 0000597558 | 164 | <i>Cereus rhombeus</i> Salm-Dyck wfo--0000597600 | 332 |
| <i>Cereus pseudosonorensis</i> Gürke wfo--0000597559 | 356 | <i>Cereus ridleii</i> Andrade-Lima ex Backeb. wfo--0000597602 | 41 |
| <i>Cereus pseudospinulosus</i> Weing. wfo--0000597560 | 344 | <i>Cereus rigidispinus</i> Monv. wfo--0000597603 | 399 |
| <i>Cereus pseudothelegonus</i> Rauh & Backeb. wfo-- 0000597561 | 32 | <i>Cereus rigidispinus</i> Muehlenpf. wfo--0000597604 | 412 |
| <i>Cereus pterandra</i> Link ex Pfeiff. wfo--0001262808 | 412 | <i>Cereus rigidus</i> Lem. ex Salm-Dyck wfo--0000597605 | 399 |
| <i>Cereus pteranthus</i> Link ex A.Dietr. wfo--0000597562 | 343 | <i>Cereus ritteri</i> P.J.Braun & Esteves wfo--0000597606 | 316 |
| <i>Cereus pterocaulis</i> Pfeiff. wfo--0000597563 | 331 | <i>Cereus ritteri</i> subsp. <i>parapetiensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000597607 | 316 |
| <i>Cereus pterogonus</i> Lem. wfo--0000597564 | 79 | <i>Cereus robinii</i> (Lem.) L.D.Benson wfo--0000597608 | 314 |
| <i>Cereus pubiflorus</i> (Britton & Rose) Vaupel wfo-- 0000597565 | 136 | <i>Cereus robinii</i> var. <i>deeringii</i> (Small) L.D.Benson wfo-- 0000597609 | 314 |
| | | <i>Cereus robinii</i> var. <i>keyensis</i> (Britton & Rose) L.D.Benson wfo--0001287429 | 314 |
| | | <i>Cereus robustus</i> Lawr. wfo--0000597610 | 412 |
| | | <i>Cereus roemerii</i> Engelm. wfo--0000597613 | 91 |
| | | <i>Cereus roemerii</i> Muehlenpf. wfo--0000597611 | 91 |

| | | | |
|---|-----|---|-----|
| <i>Cereus roetteri</i> Engelm. wfo---0001288336 | 99 | <i>Cereus sciurus</i> K.Brandege wfo---0000597656..... | 100 |
| <i>Cereus roezlii</i> Backeb. wfo---0000597616 | 412 | <i>Cereus sclerocarpus</i> K.Schum. ex B.L.Rob. wfo--- | |
| <i>Cereus roezlii</i> F.Haage ex K.Schum. wfo---0000597615 | 32 | 0000597657 | 171 |
| <i>Cereus rogalli</i> K.Schum. wfo---0001288337 | 399 | <i>Cereus scopa</i> Salm-Dyck ex DC. wfo---0000597658 | 298 |
| <i>Cereus roridus</i> Pfeiff. wfo---0000597617 | 358 | <i>Cereus scoparius</i> (Poselg.) A.Berger wfo---0000597659 .. | 37 |
| <i>Cereus rosaceus</i> Pfeiff. wfo---0000597618 | 341 | <i>Cereus seidelii</i> Lehm. ex Salm-Dyck wfo---0000597660 .. | 38 |
| <i>Cereus roseanus</i> Vaupel wfo---0000597619 | 342 | <i>Cereus senilis</i> (Haw.) DC. wfo---0000597661 | 38 |
| <i>Cereus rosei</i> Werderm. wfo---0000597620 | 369 | <i>Cereus sepium</i> (Kunth) DC. wfo---0000597662 | 32 |
| <i>Cereus roseiflorus</i> Speg. wfo---0000597621 | 43 | <i>Cereus sericatus</i> Backeb. wfo---0000597663 | 134 |
| <i>Cereus rostratus</i> Lem. wfo---0000597622 | 342 | <i>Cereus sericeus</i> Pfeiff. wfo---0000597664..... | 195 |
| <i>Cereus rothii</i> Weing. wfo---0000597624..... | 343 | <i>Cereus sericifer</i> (F.Ritter) P.J.Braun wfo---0000597665 .. | 39 |
| <i>Cereus royenii</i> (L.) Mill. wfo---0000597625 | 396 | <i>Cereus serpens</i> (Kunth) DC. wfo---0000597667 | 31 |
| <i>Cereus royenii</i> Haw. wfo---0000597626 | 311 | <i>Cereus serpentinus</i> (Lag. & Rodr.) DC. wfo---0000597668 | |
| <i>Cereus royenii</i> var. <i>armatus</i> Salm-Dyck ex Walp. wfo--- |  | ..... | 256 |
| 0000738668..... | 307 | <i>Cereus serpentinus</i> var. <i>albispinus</i> (Salm-Dyck) Weing. wfo- | |
| <i>Cereus royenii</i> var. <i>floccosus</i> Monv. ex Labour. wfo--- | | --0000738674..... | 397 |
| 0000738669..... | 396 | <i>Cereus serpentinus</i> var. <i>splendens</i> Salm-Dyck ex Lem. wfo-- | |
| <i>Cereus ruber</i> Weing. wfo---0000597627 | 85 | -0001288345 | 256 |
| <i>Cereus ruficeps</i> (F.A.C.Weber ex Rol.-Goss.) Vaupel wfo--- | | <i>Cereus serpentinus</i> var. <i>strictior</i> Walp. wfo---0000738675 | |
| 0000597628..... | 37 | ..... | 399 |
| <i>Cereus rufispinus</i> (Engelm.) Engelm. wfo---0000597629 .. | 88 | <i>Cereus serratus</i> Weing. wfo---0000597669..... | 86 |
| <i>Cereus russellianus</i> Gardner ex Hook. wfo---0001430428 | | <i>Cereus serruliflorus</i> Haw. wfo---0000597670..... | 168 |
| ..... | 335 | <i>Cereus setaceus</i> Salm-Dyck ex DC. wfo---0000597671 .. | 343 |
| <i>Cereus russellianus</i> Gardner ex Lem. wfo---0000597631335 | | <i>Cereus setaceus</i> var. <i>viridior</i> Salm-Dyck wfo---0000738676 | |
| <i>Cereus russellianus</i> Hort.Berol. ex Salm-Dyck wfo--- |  | ..... | 343 |
| 0000597630..... | 40 | <i>Cereus setiger</i> Haw. wfo---0000597672 | 85 |
| <i>Cereus saddianus</i> (Rizzini & A.Mattos) P.J.Braun wfo--- | | <i>Cereus setosus</i> (Gürke) Vaupel wfo---0000597673 | 387 |
| 0000597632..... | 43 | <i>Cereus sextonianus</i> Backeb. wfo---0000597674 | 32 |
| <i>Cereus salm-dyckianus</i> Hemsl. wfo---0000597635..... | 99 | <i>Cereus siedelii</i> Lehm. ex Salm-Dyck wfo---0000597675 .. | 412 |
| <i>Cereus salm-dyckianus</i> Salm-Dyck wfo---0000597633 | 39 | <i>Cereus silvestrii</i> Speg. wfo---0000597676 | 43 |
| <i>Cereus salmianus</i> J.F.Cels wfo---0001288339..... | 99 | <i>Cereus silvestrii</i> var. <i>crassicaulis</i> Backeb. wfo---0000597678 | |
| <i>Cereus salpingensis</i> K.Schum. wfo---0001288340 | 399 | ..... | 43 |
| <i>Cereus sanborgianus</i> J.M.Coult. wfo---0000597636..... | 89 | <i>Cereus similis</i> Meinsh. wfo---0000597679 | 412 |
| <i>Cereus santiaguensis</i> Speg. wfo---0000597637 | 349 | <i>Cereus simonii</i> Hildm. wfo---0001288346 | 356 |
| <i>Cereus sargentianus</i> Orcutt wfo---0000597638 | 192 | <i>Cereus sirul</i> F.A.C.Weber wfo---0000597680 | 6 |
| <i>Cereus sartorianus</i> (Rose) Kupper ex A.Berger wfo--- | | <i>Cereus smaragdiflorus</i> F.A.C.Weber wfo---0000738628 .. | 47 |
| 0000597639..... | 312 | <i>Cereus smithianus</i> (Britton & Rose) Werderm. wfo--- | |
| <i>Cereus saxicola</i> Morong wfo---0000597640..... | 316 | 0000597683 | 316 |
| <i>Cereus saxicola</i> var. <i>anguiniformis</i> Riccob. wfo--- | | <i>Cereus sonorensis</i> K.Schum. wfo---0000597685 | 356 |
| 0000597641..... | 316 | <i>Cereus spachianus</i> Lem. wfo---0000597686 | 349 |
| <i>Cereus scandens</i> Salm-Dyck wfo---0000597642 | 342 | <i>Cereus spathulatus</i> C.F.Först. wfo---0001288347 | 399 |
| <i>Cereus scandens</i> var. <i>minor</i> Boerh. ex Arendt wfo--- | | <i>Cereus speciosissimus</i> (Desf.) DC. wfo---0001288348 | 85 |
| 0000738673..... | 341 | <i>Cereus speciosissimus</i> (Desf.) Sweet wfo---0000597687 .. | 85 |
| <i>Cereus scheeri</i> Salm-Dyck wfo---0000597643 | 100 | <i>Cereus speciosissimus</i> var. <i>albiflorus</i> Rümpler wfo--- | |
| <i>Cereus schelhasii</i> Pfeiff. wfo---0000597645 | 108 | 0000738677 | 389 |
| <i>Cereus schenckii</i> J.A.Purpus wfo---0000597646 | 255 | <i>Cereus speciosissimus</i> var. <i>aurantiacus</i> Pfeiff. wfo--- | |
| <i>Cereus schickendantzii</i> F.A.C.Weber ex K.Schum. wfo--- | | 0000738678 | 389 |
| 0000597647..... | 349 | <i>Cereus speciosissimus</i> var. <i>blindii</i> Haage ex C.F.Först. wfo--- | |
| <i>Cereus schickendantzii</i> F.A.C.Weber wfo---0001288341 .. | 349 | 0000738679 | 389 |
| <i>Cereus schmidtii</i> G.Don wfo---0001288342..... | 411 | <i>Cereus speciosissimus</i> var. <i>bodii</i> Walp. wfo---0000738680 | |
| <i>Cereus schmollii</i> Weing. wfo---0000597648 | 100 | ..... | 389 |
| <i>Cereus schoenemannii</i> Hildm. wfo---0001288343 | 399 | <i>Cereus speciosissimus</i> var. <i>bollwillerianus</i> Walp. wfo--- | |
| <i>Cereus schomburgkii</i> C.F.Först. wfo---0001288344 | 403 | 0000738681 | 389 |
| <i>Cereus schomburgkii</i> Otto ex K.Schum. wfo---0000597650 | | <i>Cereus speciosissimus</i> var. <i>bowtrianus</i> Walp. wfo--- | |
| ..... | 342 | 0000738683 | 389 |
| <i>Cereus schomburgkii</i> Salm-Dyck wfo---0000597649 | 341 | <i>Cereus speciosissimus</i> var. <i>coccineus</i> Rümpler wfo--- | |
| <i>Cereus schottii</i> Engelm. wfo---0000597651..... | 192 | 0000738684 | 389 |
| <i>Cereus schottii</i> var. <i>australis</i> K.Brandege wfo--- | | <i>Cereus speciosissimus</i> var. <i>colmariensis</i> Haage ex C.F.Först. | |
| 0000597652..... | 192 | wfo---0000738685 | 389 |
| <i>Cereus schrankii</i> Zucc. ex Seitz wfo---0000597653 | 85 | <i>Cereus speciosissimus</i> var. <i>curtisii</i> Walp. wfo---0000738686 | |
| <i>Cereus schumannii</i> Mathsson ex K.Schum. wfo--- |  | ..... | 389 |
| 0000597654..... | 238 | | |

| | | | |
|---|-----|---|-----|
| <i>Cereus speciosissimus</i> var. <i>danielsii</i> Haage ex C.F.Först. wfo---0000738687 | 389 | <i>Cereus speciosissimus</i> var. <i>peintneri</i> Haage ex C.F.Först. wfo---0000738722 | 389 |
| <i>Cereus speciosissimus</i> var. <i>devauxii</i> Pfeiff. wfo--- 0000738688..... | 389 | <i>Cereus speciosissimus</i> var. <i>rintzii</i> Salm-Dyck ex C.F.Först. wfo---0000738723 | 389 |
| <i>Cereus speciosissimus</i> var. <i>edesii</i> Booth ex C.F.Först. wfo--- 0000738689..... | 389 | <i>Cereus speciosissimus</i> var. <i>roidii</i> Walp. wfo---0000738724 | 389 |
| <i>Cereus speciosissimus</i> var. <i>elegans</i> Booth ex C.F.Först. wfo- --0000738690 | 389 | <i>Cereus speciosissimus</i> var. <i>sarniensis</i> Walp. wfo--- 0000738725 | 389 |
| <i>Cereus speciosissimus</i> var. <i>eugenia</i> Walp. wfo--- 0000738692..... | 389 | <i>Cereus speciosissimus</i> var. <i>seidelii</i> Booth ex C.F.Först. wfo-- -0000738726 | 389 |
| <i>Cereus speciosissimus</i> var. <i>finkii</i> Salm-Dyck ex C.F.Först. wfo---0000738693..... | 389 | <i>Cereus speciosissimus</i> var. <i>seitzii</i> C.F.Först. wfo--- 0000738727 | 389 |
| <i>Cereus speciosissimus</i> var. <i>gebvillerianus</i> Haage ex C.F.Först. wfo---0000738694 | 389 | <i>Cereus speciosissimus</i> var. <i>selloii</i> C.F.Först. wfo--- 0000738728 | 390 |
| <i>Cereus speciosissimus</i> var. <i>gloriosus</i> Haage ex C.F.Först. wfo---0000738695..... | 389 | <i>Cereus speciosissimus</i> var. <i>smithii</i> C.F.Först. wfo--- 0000738729 | 390 |
| <i>Cereus speciosissimus</i> var. <i>grandiflorus</i> Pfeiff. wfo--- 0000738696..... | 389 | <i>Cereus speciosissimus</i> var. <i>superbus</i> Walp. wfo--- 0000738731 | 390 |
| <i>Cereus speciosissimus</i> var. <i>guillardieri</i> Walp. wfo--- 0000738697..... | 389 | <i>Cereus speciosissimus</i> var. <i>suwaroffi</i> Walp. wfo--- 0000738732 | 390 |
| <i>Cereus speciosissimus</i> var. <i>hansii</i> Baumann ex C.F.Först. wfo---0000738698..... | 389 | <i>Cereus speciosissimus</i> var. <i>triumphans</i> C.F.Först. wfo--- 0000738733 | 390 |
| <i>Cereus speciosissimus</i> var. <i>hitchensii</i> Haage ex C.F.Först. wfo---0000738699..... | 389 | <i>Cereus speciosissimus</i> var. <i>unduliflorus</i> Walp. wfo--- 0000738734 | 390 |
| <i>Cereus speciosissimus</i> var. <i>hoveyi</i> Rümpler wfo--- 0000738700..... | 389 | <i>Cereus speciosissimus</i> var. <i>vandesii</i> Walp. wfo--- 0000738735 | 390 |
| <i>Cereus speciosissimus</i> var. <i>ignescens</i> Walp. wfo--- 0000738702..... | 389 | <i>Cereus speciosissimus</i> var. <i>vitellinus</i> Walp. wfo--- 0000738736 | 390 |
| <i>Cereus speciosissimus</i> var. <i>jenkinsonii</i> (Sweet) Pfeiff. wfo--- 0000738703..... | 389 | <i>Cereus speciosus</i> (Cav.) K.Schum. ex Engl. & Prantl wfo--- 0001430429 | 85 |
| <i>Cereus speciosissimus</i> var. <i>kampmannii</i> Haage ex C.F.Först. wfo---0000738704..... | 389 | <i>Cereus speciosus</i> (Cav.) Sweet wfo---0000597689 | 85 |
| <i>Cereus speciosissimus</i> var. <i>kiardii</i> Walp. wfo---0000738705 | 389 | <i>Cereus speciosus</i> Cav. wfo---0001288351 | 85 |
| <i>Cereus speciosissimus</i> var. <i>kobii</i> Salm-Dyck ex C.F.Först. wfo---0000738706..... | 389 | <i>Cereus speciosus</i> var. <i>amecamensis</i> (Heese) Weing. wfo--- 0001289089 | 85 |
| <i>Cereus speciosissimus</i> var. <i>lateritius</i> Pfeiff. wfo--- 0000738707..... | 389 | <i>Cereus speciosus</i> var. <i>coccineus</i> K.Schum. wfo--- 0000597691 | 85 |
| <i>Cereus speciosissimus</i> var. <i>latifrons</i> Salm-Dyck ex C.F.Först. wfo---0000738708..... | 389 | <i>Cereus spegazzinii</i> F.A.C.Weber wfo---0000597692 | 43 |
| <i>Cereus speciosissimus</i> var. <i>longipes</i> Walp. wfo--- 0000738709..... | 389 | <i>Cereus spegazzinii</i> var. <i>ebenacanthus</i> (F.Ritter) P.J.Braun & Esteves wfo---0000597693 | 43 |
| <i>Cereus speciosissimus</i> var. <i>lothii</i> Walp. wfo---0000738711 | 389 | <i>Cereus spegazzinii</i> var. <i>hassleri</i> Weing. wfo---0000738737 | 43 |
| <i>Cereus speciosissimus</i> var. <i>loudonii</i> Salm-Dyck ex C.F.Först. wfo---0000738712..... | 389 | <i>Cereus spinibarbis</i> Hort.Berol. ex Pfeiff. wfo---0000597694 | 399 |
| <i>Cereus speciosissimus</i> var. <i>macqueanus</i> Salm-Dyck ex C.F.Först. wfo---0000738713 | 389 | <i>Cereus spinibarbis</i> var. <i>flavidus</i> Labour. wfo---0000738738 | 349 |
| <i>Cereus speciosissimus</i> var. <i>maelenii</i> Walp. wfo--- 0000738714..... | 389 | <i>Cereus spinibarbis</i> var. <i>minor</i> Monv. ex Labour. wfo--- 0000738740 | 399 |
| <i>Cereus speciosissimus</i> var. <i>maurantianus</i> Booth ex C.F.Först. wfo---0000738715 | 389 | <i>Cereus spinibarbis</i> var. <i>purpureus</i> Monv. ex Labour. wfo--- 0000738741 | 399 |
| <i>Cereus speciosissimus</i> var. <i>merckii</i> Booth ex C.F.Först. wfo- --0000738716 | 389 | <i>Cereus spinosissimus</i> C.F.Först. wfo---0000597695 | 42 |
| <i>Cereus speciosissimus</i> var. <i>mexicanus</i> Salm-Dyck ex Walp. wfo---0000738717 | 389 | <i>Cereus spinulosus</i> DC. wfo---0000597696..... | 344 |
| <i>Cereus speciosissimus</i> var. <i>mittleri</i> Salm-Dyck ex C.F.Först. wfo---0000738718..... | 389 | <i>Cereus splendens</i> Salm-Dyck wfo---0000597697 | 256 |
| <i>Cereus speciosissimus</i> var. <i>muhlhausianus</i> Haage ex C.F.Först. wfo---0000738719 | 389 | <i>Cereus squamosus</i> Gürke wfo---0000597701 | 136 |
| <i>Cereus speciosissimus</i> var. <i>peacocki</i> Rümpler wfo--- 0000738721..... | 389 | <i>Cereus squamosus</i> Salm-Dyck ex DC. wfo---0000597702 | 175 |
| | | <i>Cereus squarrosus</i> Vaupel wfo---0000597703 | 61 |
| | | <i>Cereus steckmannii</i> Jacobi wfo---0001288352 | 399 |
| | | <i>Cereus stellatus</i> Pfeiff. wfo---0000597704..... | 358 |
| | | <i>Cereus stenogonus</i> K.Schum. wfo---0000597705..... | 43 |
| | | <i>Cereus stenopterus</i> F.A.C.Weber wfo---0000597706..... | 344 |
| | | <i>Cereus stolonifer</i> F.A.C.Weber ex K.Schum. wfo--- 0001288353 | 399 |

| | | | |
|---|-----|---|-----|
| <i>Cereus stramineus</i> Engelm. wfo--0000597707..... | 101 | <i>Cereus tephraacanthus</i> Link & Otto ex Steud. wfo-- | |
| <i>Cereus strausii</i> (Heese) Vaupel wfo--0000597708 | 47 | 0000597740 | 283 |
| <i>Cereus striatus</i> K.Brandegee wfo--0000597709 | 303 | <i>Cereus tephraacanthus</i> var. <i>bolivianus</i> F.A.C.Weber ex | |
| <i>Cereus strictus</i> DC. wfo--0000597711 | 399 | K.Schum. wfo--0000597741 | 369 |
| <i>Cereus strigosus</i> Salm-Dyck wfo--0000597712 | 349 | <i>Cereus terscheckii</i> J.Parm. ex Pfeiff. wfo--0000597742 | 180 |
| <i>Cereus strigosus</i> var. <i>intricatus</i> (Salm-Dyck) F.A.C.Weber ex | | <i>Cereus testudo</i> Karw. ex Zucc. wfo--0000597744 | 79 |
| K.Schum. wfo--0000597713 | 349 | <i>Cereus tetazo</i> F.A.C.Weber ex J.M.Coult. wfo-- | |
| <i>Cereus strigosus</i> var. <i>longispinus</i> C.A.Maass wfo-- | | 0001288357 | 38 |
| 0000597714..... | 349 | <i>Cereus tetetzo</i> F.A.C.Weber ex J.M.Coult. wfo-- | |
| <i>Cereus strigosus</i> var. <i>rufispinus</i> Hook.f. wfo--0000738742 | | 0000597745 | 38 |
| ..... | 349 | <i>Cereus tetracanthus</i> Labour. wfo--0000597746 | 169 |
| <i>Cereus</i> subg. <i>Eriocereus</i> A.Berger wfo--3500004023 | 167 | <i>Cereus tetracanthus</i> var. <i>boliviana</i> F.A.C.Weber ex | |
| <i>Cereus</i> subg. <i>Hylocereus</i> A.Berger wfo--3500004019 | 340 | K.Schum. wfo--0001430432..... | 169 |
| <i>Cereus</i> subg. <i>Leptocereus</i> A.Berger wfo--3500004025 | 176 | <i>Cereus tetragonus</i> (L.) Mill. wfo--0000597747 | 5 |
| <i>Cereus</i> subg. <i>Lophocereus</i> A.Berger wfo--3500004042 | 191 | <i>Cereus tetragonus</i> var. <i>major</i> Salm-Dyck ex Walp. wfo-- | |
| <i>Cereus</i> subg. <i>Oreocereus</i> A.Berger wfo--3500004036..... | 275 | 0000738744 | 6 |
| <i>Cereus</i> subg. <i>Pachycereus</i> A.Berger wfo--3500004027 | 278 | <i>Cereus tetragonus</i> var. <i>minor</i> Salm-Dyck wfo--0000738745 | |
| <i>Cereus</i> subg. <i>Stenocereus</i> A.Berger wfo--3500004012 | 355 | ..... | 6 |
| <i>Cereus</i> subg. <i>Trichocereus</i> A.Berger wfo--3500004045 | 368 | <i>Cereus tetragonus</i> var. <i>ramosior</i> Link & Otto wfo-- | |
| <i>Cereus subinermis</i> Hemsl. wfo--0000597715 | 101 | 0000738746 | 6 |
| <i>Cereus subintortus</i> Salm-Dyck ex C.F.Först. wfo-- | | <i>Cereus thalassinus</i> Otto & A.Dietr. wfo--0000597748 | 40 |
| 0000745179..... | 399 | <i>Cereus thalassinus</i> var. <i>quadrangularis</i> C.F.Först. wfo-- | |
| <i>Cereus subintortus</i> var. <i>flavispinus</i> Salm-Dyck ex C.F.Först. | | 0000738747 | 40 |
| wfo--0000738743 | 399 | <i>Cereus thelegonoides</i> Speg. wfo--0000597749..... | 350 |
| <i>Cereus sublanatus</i> Salm-Dyck wfo--0000597716 | 308 | <i>Cereus thelegonus</i> F.A.C.Weber wfo--0000597750 | 350 |
| <i>Cereus subrepandus</i> Haw. wfo--0000597717 | 399 | <i>Cereus thoursii</i> F.A.C.Weber wfo--0000597751..... | 171 |
| <i>Cereus subrepandus</i> Pfeiff. wfo--0000597718 | 412 | <i>Cereus thurberi</i> Engelm. wfo--0000597752 | 359 |
| <i>Cereus</i> subsect. <i>Acanthocereus</i> Engelm. ex A.Berger wfo-- | | <i>Cereus thurberi</i> var. <i>littoralis</i> K.Brandegee wfo-- | |
| 3000003217..... | 4 | 0000597753 | 359 |
| <i>Cereus</i> subsect. <i>Helicocereus</i> A.Berger wfo--3000003218 | 82 | <i>Cereus thurberi</i> var. <i>monstrosus</i> Dams wfo--0001430433 | |
| <i>Cereus</i> subsect. <i>Peniocereus</i> A.Berger wfo--3000003216 |  | ..... | 359 |
| ..... | 302 | <i>Cereus tilophorus</i> Pfeiff. ex Labour. wfo--0001289021 | 308 |
| <i>Cereus</i> subsect. <i>Selenicereus</i> A.Berger wfo--3000003219 | | <i>Cereus tilophorus</i> Pfeiff. wfo--0000597755 | 308 |
| ..... | 340 | <i>Cereus tinei</i> Tod. wfo--0000597756 | 42 |
| <i>Cereus subsquamatus</i> Pfeiff. wfo--0000597719..... | 341 | <i>Cereus tineoi</i> Tod. wfo--0001430434 | 412 |
| <i>Cereus subtortuosus</i> C.F.Först. wfo--0000597720..... | 45 | <i>Cereus titan</i> Engelm. ex J.M.Coult. wfo--0000597757 | 278 |
| <i>Cereus subulifer</i> Salm-Dyck wfo--0001430430 | 178 | <i>Cereus tominensis</i> Weing. wfo--0000597758 | 48 |
| <i>Cereus subulifer</i> Salm-Dyck wfo--0000597722 | 178 | <i>Cereus tonduzii</i> F.A.C.Weber wfo--0000597759 | 344 |
| <i>Cereus superbus</i> Ehrenb. wfo--0000597723 | 85 | <i>Cereus tonelianus</i> Lem. wfo--0000597760 | 358 |
| <i>Cereus surinamensis</i> Trew wfo--0001288354 | 40 | <i>Cereus torrellianus</i> Miers wfo--0001288359 | 359 |
| <i>Cereus swartzii</i> Griseb. wfo--0000597724..... | 357 | <i>Cereus tortuosus</i> J.Forbes ex Otto & A.Dietr. wfo-- | |
| <i>Cereus syringacanthus</i> Pfeiff. wfo--0001288355..... | 362 | 0000597761 | 169 |
| <i>Cereus syringacanthus</i> Pfeiff. wfo--0000597725 | 362 | <i>Cereus tortuosus</i> J.Forbes wfo--0001430435..... | 169 |
| <i>Cereus tacaquirensis</i> Vaupel wfo--0000597726 | 370 | <i>Cereus tortus</i> C.F.Först. wfo--0001288360 | 399 |
| <i>Cereus tacuaralensis</i> Cárdenas wfo--0000597727 | 43 | <i>Cereus torulosus</i> Werderm. wfo--0000597762..... | 412 |
| <i>Cereus tacuarembensis</i> (Arechav.) Herter wfo-- | | <i>Cereus treleasei</i> (Rose) Vaupel wfo--0000597763 | 359 |
| 0001430431..... | 403 | <i>Cereus triangularis</i> (L.) Haw. wfo--0000597766 | 344 |
| <i>Cereus tacuarembensis</i> (Arechav.) Herter wfo-- | | <i>Cereus triangularis</i> f. <i>guatemalensis</i> (Eichlam ex Weing.) | |
| 0000597728..... | 403 | Schelle wfo--0000597767 | 342 |
| <i>Cereus tapacalaensis</i> Backeb. wfo--0000597729 | 412 | <i>Cereus triangularis</i> Mill. wfo--0000597764 | 344 |
| <i>Cereus tarijensis</i> Vaupel wfo--0000597730..... | 349 | <i>Cereus triangularis</i> var. <i>major</i> DC. wfo--0001430436... .. | 344 |
| <i>Cereus taylorii</i> (Britton) Vaupel wfo--0000597731 | 168 | <i>Cereus triangularis</i> var. <i>pictus</i> DC. wfo--0001430437... .. | 344 |
| <i>Cereus tehuacanensis</i> Roezl wfo--0000597733 | 412 | <i>Cereus trichacanthus</i> Salm-Dyck wfo--0000597768 | 398 |
| <i>Cereus tehuacansis</i> Roezl wfo--0000597734..... | 412 | <i>Cereus trichocentrus</i> C.F.Först. wfo--0001288361..... | 399 |
| <i>Cereus tehuacanus</i> (Weing.) Werderm. wfo--0000597735 | | <i>Cereus tricostatus</i> Rol.-Goss. wfo--0000597769..... | 345 |
| ..... | 312 | <i>Cereus triglochidiatus</i> Engelm. wfo--0000597770 | 101 |
| <i>Cereus tellii</i> Griseb. wfo--0001288356 | 399 | <i>Cereus trigonodendron</i> K.Schum. ex Vaupel wfo-- | |
| <i>Cereus tenellus</i> Salm-Dyck ex Pfeiff. wfo--0000597736 | 399 | 0000597771 | 43 |
| <i>Cereus tenuis</i> DC. wfo--0000597737 | 175 | <i>Cereus trigonus</i> Haw. wfo--0000597772..... | 344 |
| <i>Cereus tenuis</i> Pfeiff. wfo--0000597738 | 412 | <i>Cereus trigonus</i> Hort. ex Pfeiff. wfo--0000597773 | 412 |
| <i>Cereus tenuispinus</i> Haw. wfo--0000597739..... | 175 | <i>Cereus trigonus</i> var. <i>costaricensis</i> F.A.C.Weber wfo-- | |
| | | 0000597775 | 340 |

| | | | |
|--|-----|---|-----|
| <i>Cereus trigonus</i> var. <i>guatemalensis</i> Eichlam ex Weing. wfo--0000597776 | 342 | <i>Cereus versicolor</i> var. <i>humifusus</i> Werderm. & Backeb. wfo--0000597819 | 167 |
| <i>Cereus trigonus</i> var. <i>quadrangularis</i> Haw. wfo--0000738749 | 399 | <i>Cereus versicolor</i> var. <i>lasiacanthus</i> Werderm. & Backeb. wfo--0001430438 | 167 |
| <i>Cereus trinitatis</i> Lem. & Herm. wfo--0000597777 | 342 | <i>Cereus versicolor</i> var. <i>xanthacanthus</i> Werderm. & Backeb. wfo--0000597820 | 167 |
| <i>Cereus tripteris</i> Salm-Dyck ex DC. wfo--0000597778 | 399 | <i>Cereus versicolor</i> Werderm. & Backeb. wfo--0000597817 | 167 |
| <i>Cereus triquetet</i> Haw. wfo--0000597779 | 344 | <i>Cereus victoriensis</i> Vaupel wfo--0000597821 | 312 |
| <i>Cereus trollii</i> Kupper wfo--0000597780 | 277 | <i>Cereus violaceus</i> Lem. wfo--0000597822 | 400 |
| <i>Cereus truncatus</i> (Haw.) Sweet wfo--0000597781 | 335 | <i>Cereus viperinus</i> F.A.C.Weber wfo--0000597823 | 303 |
| <i>Cereus truncatus</i> var. <i>altensteinii</i> Salm-Dyck wfo--0000738750 | 399 | <i>Cereus virens</i> DC. wfo--0000597824 | 308 |
| <i>Cereus tuberosus</i> Pfeiff. wfo--0000597782 | 367 | <i>Cereus viridiflorus</i> Engelm. wfo--0000597825 | 102 |
| <i>Cereus tuberosus</i> Poselg. wfo--0000597783 | 97 | <i>Cereus viridiflorus</i> var. <i>cylindricus</i> Engelm. wfo--0000597826 | 89 |
| <i>Cereus tubiflorus</i> Endl. wfo--0000597786 | 412 | <i>Cereus viridiflorus</i> var. <i>cylindricus</i> Engelm. wfo--0001430439 | 89 |
| <i>Cereus tubiflorus</i> Pfeiff. wfo--0000597784 | 109 | <i>Cereus viridiflorus</i> var. <i>minor</i> Engelm. wfo--0000597827 | 102 |
| <i>Cereus tunilla</i> F.A.C.Weber wfo--0000597787 | 378 | <i>Cereus viridiflorus</i> var. <i>tubulosus</i> J.M.Coult. wfo--0000597829 | 89 |
| <i>Cereus tupizensis</i> Vaupel wfo--0000597788 | 45 | <i>Cereus vulcan</i> Müll.Arg. wfo--0001288366 | 390 |
| <i>Cereus turbinatus</i> Pfeiff. wfo--0000597789 | 108 | <i>Cereus vulnerator</i> Cortés wfo--0001288367 | 398 |
| <i>Cereus tweediei</i> Hook. wfo--0000597790 | 45 | <i>Cereus warmingii</i> K.Schum. wfo--0000597830 | 308 |
| <i>Cereus tweedyanus</i> (Britton & Rose) Werderm. wfo--0000597791 | 310 | <i>Cereus weberbaueri</i> K.Schum. ex Vaupel wfo--0000597831 | 377 |
| <i>Cereus ulei</i> (K.Schum.) A.Berger wfo--0000597792 | 314 | <i>Cereus weberi</i> J.M.Coult. wfo--0000597832 | 279 |
| <i>Cereus ulei</i> Luetzelb. wfo--0000597793 | 136 | <i>Cereus weingartianus</i> A.Berger wfo--0000597834 | 177 |
| <i>Cereus undatus</i> Haw. wfo--0000597794 | 345 | <i>Cereus weingartianus</i> E.Hartmann wfo--0000597833 | 177 |
| <i>Cereus undatus</i> Pfeiff. wfo--0000597795 | 168 | <i>Cereus wercklei</i> F.A.C.Weber wfo--0000597835 | 342 |
| <i>Cereus undiflorus</i> C.Wright wfo--0000597797 | 177 | <i>Cereus wittii</i> K.Schum. wfo--0000597836 | 360 |
| <i>Cereus undulatus</i> D.Dietr. wfo--0000597799 | 399 | <i>Cereus xanthocarpus</i> K.Schum. wfo--0000597837 | 40 |
| <i>Cereus undulatus</i> DC. wfo--0001288362 | 412 | <i>Cereus xanthochaetus</i> Rchb. wfo--0000597838 | 400 |
| <i>Cereus undulatus</i> Pfeiff. wfo--0000597798 | 6 | <i>Cereus yucatanensis</i> Standl. wfo--0000597840 | 278 |
| <i>Cereus undulosus</i> DC. wfo--0000597800 | 177 | <i>Cereus yunckeri</i> Standl. wfo--0000597841 | 359 |
| <i>Cereus uranos</i> B.Schulz wfo--0000597801 | 341 | <i>Cereus yungasensis</i> A.Fuentes & Quispe wfo--0000746202 | 43 |
| <i>Cereus uranus</i> A.Gray wfo--0001289982 | 412 | <i>Cereus zehntneri</i> (Britton & Rose) Luetzelb. wfo--0000597842 | 387 |
| <i>Cereus urbanianus</i> (K.Schum.) A.Berger wfo--0000597802 | 310 | <i>Cereus zizkaanus</i> K.Schum. wfo--0001288368 | 357 |
| <i>Cereus urbanianus</i> Gürke & Weing. wfo--0000597803 | 341 | <i>Cereus zizkaanus</i> (K.Schum.) Schelle wfo--0000597843 | 357 |
| <i>Cereus ureacanthus</i> C.F.Först. wfo--0000597804 | 399 | <i>Chaffeyopuntia</i> Frič & Schelle ex Kreuz. wfo--4000042512 | 256 |
| <i>Cereus uruguayanus</i> R.Kiesling wfo--0001254936 | 41 | <i>Chamaecereus</i> Britton & Rose wfo--4000007575 | 43 |
| <i>Cereus uspenski</i> Haage Jr. ex Karl Hirscht wfo--0001288363 | 413 | <i>Chamaecereus grandiflorus</i> (Britton & Rose) Frič wfo--0000599335 | 348 |
| <i>Cereus vagans</i> K.Brandege wfo--0000597805 | 345 | <i>Chamaecereus luisramirezii</i> Lodé & F.Carlier wfo--0001430440 | 413 |
| <i>Cereus validissimus</i> F.A.C.Weber wfo--0001288364 | 3 | <i>Chamaecereus saltensis</i> (Speg.) Schlumpb. wfo--0001430441 | 43 |
| <i>Cereus validus</i> Haw. wfo--0000597808 | 40 | <i>Chamaecereus schreiteri</i> (A.Cast.) Schlumpb. wfo--0001430442 | 43 |
| <i>Cereus Vargasianus</i> Cárdenas wfo--0000597809 | 43 | <i>Chamaecereus silvestrii</i> (Speg.) Britton & Rose wfo--0000599336 | 43 |
| <i>Cereus variabilis</i> Engelm. wfo--0000597811 | 6 | <i>Chamaecereus stilowianus</i> (Backeb.) Schlumpb. wfo--0001430443 | 44 |
| <i>Cereus variabilis</i> Pfeiff. wfo--0000597810 | 39 | <i>Chamaelobivia matuzakii</i> Y.Itô wfo--0000599579 | 413 |
| <i>Cereus variabilis</i> var. <i>glaucescens</i> Salm-Dyck ex Walp. wfo--0000738751 | 39 | <i>Chamaelobivia tanahashii</i> Y.Itô wfo--0000599580 | 413 |
| <i>Cereus variabilis</i> var. <i>laetevirens</i> Salm-Dyck ex Walp. wfo--0000738752 | 39 | <i>Chamaelobivia tuda</i> var. <i>carniflora</i> Y.Itô wfo--0000599582 | 413 |
| <i>Cereus variabilis</i> var. <i>micracanthus</i> Salm-Dyck ex Walp. wfo--0000738754 | 39 | <i>Chamaelobivia tuda</i> var. <i>chrysantha</i> Y.Itô wfo--0000599583 | 413 |
| <i>Cereus variabilis</i> var. <i>obtusus</i> Walp. wfo--0000738755 | 39 | | |
| <i>Cereus variabilis</i> var. <i>salm-dyckianus</i> Walp. wfo--0000738756 | 39 | | |
| <i>Cereus vasmerii</i> Young wfo--0000597812 | 6 | | |
| <i>Cereus vaupelii</i> Weing. wfo--0000597813 | 343 | | |
| <i>Cereus venditus</i> Paulsen wfo--0000597814 | 344 | | |
| <i>Cereus venezuelensis</i> (Britton & Rose) Werderm. wfo--0000597815 | 342 | | |
| <i>Cereus ventimigliae</i> (Riccob.) Vaupel wfo--0000597816 | 32 | | |
| <i>Cereus verschaffeltii</i> Haage wfo--0001288365 | 400 | | |

| | | | |
|--|--------|--|-----|
| <i>Chamaelobivia tuda</i> var. <i>cinnabarina</i> Y.Itô wfo-- 0000599584..... | 413 | <i>Chileniopsis polyrhaphis</i> (Pfieiff. ex Salm-Dyck) Backeb. wfo--0000602020 | 128 |
| <i>Chamaelobivia tuda</i> var. <i>croceantha</i> Y.Itô wfo-- 0000599585..... | 413 | <i>Chileniopsis villosa</i> (Monv.) Backeb. wfo--0000602021 | 128 |
| <i>Chamaelobivia tuda</i> var. <i>rubriflora</i> Y.Itô wfo-- 0000599586..... | 413 | <i>Chileniopsis villosa</i> var. <i>nigra</i> (A.Berger) Y.Itô wfo-- 0000602022 | 128 |
| <i>Chamaelobivia tuda</i> var. <i>salmonea</i> Y.Itô wfo-- 0000599587..... | 413 | <i>Chileocactus</i> Frič wfo--4000042669 | 112 |
| <i>Chamaelobivia tuda</i> var. <i>streptantha</i> Y.Itô wfo-- 0000599590..... | 413 | <i>Chileorebutia aerocarpa</i> F.Ritter wfo--0000602023 | 113 |
| <i>Chamaelobivia tuda</i> var. <i>striatipetala</i> Y.Itô wfo-- 0000599591..... | 413 | <i>Chileorebutia duripulpa</i> F.Ritter wfo--0000602024 | 117 |
| <i>Chamaelobivia tuda</i> Y.Itô wfo--0000599581..... | 413 | <i>Chileorebutia esmeraldana</i> F.Ritter wfo--0000602025 | 118 |
| <i>Chamaelobivia</i> Y.Itô wfo--4000007608 | 413 | <i>Chileorebutia</i> Frič ex F.Ritter wfo--4000007860 | 112 |
| <i>Chiapasias</i> Britton & Rose wfo--4000007837 | 82 | <i>Chileorebutia fulva</i> F.Ritter wfo--0001255423..... | 118 |
| <i>Chiapasias nelsonii</i> (Britton & Rose) Britton & Rose wfo-- 0000601973..... | 82, 84 | <i>Chileorebutia glabrescens</i> F.Ritter wfo--0000602026... .. | 118 |
| <i>Chiapasias nelsonii</i> var. <i>hondurensis</i> (Kimnach) Backeb. wfo-- --0001257453 | 84 | <i>Chileorebutia krausii</i> F.Ritter wfo--0000602027 | 120 |
| <i>Chiapasophyllum chrysocardium</i> (Alexander) Doweld wfo-- -0000601974 | 109 | <i>Chileorebutia malleolata</i> F.Ritter wfo--0000602029 | 121 |
| <i>Chiapasophyllum</i> Doweld wfo--4000007838 | 109 | <i>Chileorebutia malleolata</i> var. <i>solitaria</i> F.Ritter wfo-- 0000602030 | 121 |
| <i>Chichipia</i> Backeb. wfo--4000042647 | 315 | <i>Chileorebutia napina</i> (Phil.) F.Ritter wfo--0000602031 | 121 |
| <i>Chilenia acutissima</i> (Otto & A.Dietr.) Backeb. wfo-- 0000601991..... | 125 | <i>Chileorebutia odieri</i> (Salm-Dyck) F.Ritter wfo-- 0000602032 | 122 |
| <i>Chilenia ambigua</i> (Hildm. ex K.Schum.) Backeb. wfo-- 0000601992..... | 57 | <i>Chileorebutia reicheni</i> (K.Schum.) F.Ritter wfo--0000602033 | 122 |
| <i>Chilenia atrispinosa</i> Backeb. wfo--0000601993 | 128 | <i>Chilorebutia</i> Frič wfo--4000042651 | 112 |
| <i>Chilenia</i> Backeb. wfo--4000007856..... | 112 | <i>Chilita alamensis</i> (R.T.Craig) Buxb. wfo--0000602047 | 53 |
| <i>Chilenia castaneoides</i> (Cels ex Salm-Dyck) Backeb. wfo-- 0000601994..... | 126 | <i>Chilita albicans</i> (Britton & Rose) Orcutt wfo--0000602048 | 48 |
| <i>Chilenia cephalophora</i> Backeb. wfo--0000601995 | 128 | <i>Chilita ancistroides</i> (Lehm.) Buxb. wfo--0000602049 | 211 |
| <i>Chilenia chilensis</i> (Hildm. ex K.Schum.) Backeb. wfo-- 0000601996..... | 114 | <i>Chilita angelensis</i> (R.T.Craig) Buxb. wfo--0000602050 | 48 |
| <i>Chilenia ebenacantha</i> (Monv. ex Labour.) Backeb. wfo-- 0000601998..... | 123 | <i>Chilita armillata</i> Orcutt wfo--0000602051..... | 49 |
| <i>Chilenia fobeana</i> (Mieckley) Backeb. wfo--0000601999..... | 124 | <i>Chilita aureilanata</i> (Backeb.) Buxb. wfo--0000602052 | 198 |
| <i>Chilenia fusca</i> (Muehlenpf.) Backeb. wfo--0000602000..... | 123 | <i>Chilita aurihamata</i> (Boed.) Buxb. wfo--0000602053 | 204 |
| <i>Chilenia heteracantha</i> Backeb. wfo--0000602001 | 126 | <i>Chilita barbata</i> Orcutt wfo--0000602054 | 49 |
| <i>Chilenia jussieu</i> (Monv. ex Salm-Dyck) Backeb. wfo-- 0000602002..... | 124 | <i>Chilita blossfeldiana</i> (Boed.) Buxb. wfo--0000602055 | 49 |
| <i>Chilenia kunzei</i> (C.F.Först.) Backeb. wfo--0000602003 | 120 | <i>Chilita bocasana</i> Orcutt wfo--0000602057 | 199 |
| <i>Chilenia napina</i> (Phil.) Backeb. wfo--0000602004..... | 121 | <i>Chilita boedekeriana</i> Orcutt wfo--0000602058 | 204 |
| <i>Chilenia nidus</i> (Söhrens ex K.Schum.) Backeb. wfo-- 0000602005..... | 117 | <i>Chilita bombycina</i> Orcutt wfo--0000602059..... | 200 |
| <i>Chilenia nigricans</i> (Linke) Backeb. wfo--0000602006..... | 113 | <i>Chilita boolii</i> (G.E.Linds.) Buxb. wfo--0000602060..... | 49 |
| <i>Chilenia nigrihorrida</i> Backeb. ex A.W.Hill wfo-- 0000602007..... | 122 | <i>Chilita candida</i> (Scheidw.) Orcutt wfo--0000602061 | 201 |
| <i>Chilenia nigrihorrida</i> var. <i>major</i> Backeb. wfo--0000602009 | 115 | <i>Chilita capensis</i> (H.E.Gates) Buxb. wfo--0000602062 | 49 |
| <i>Chilenia nigrihorrida</i> var. <i>minor</i> Backeb. wfo--0000602010 | 115 | <i>Chilita carretii</i> Orcutt wfo--0000602063..... | 202 |
| <i>Chilenia occulta</i> (Phil.) Backeb. wfo--0000602011 | 118 | <i>Chilita colonensis</i> (R.T.Craig) Buxb. wfo--0000602064 | 199 |
| <i>Chilenia odieri</i> (Lem. ex Salm-Dyck) Backeb. wfo-- 0000602012..... | 122 | <i>Chilita criniformis</i> (DC.) Buxb. wfo--0000602065..... | 203 |
| <i>Chilenia pseudochilensis</i> Backeb. wfo--0000602013 | 413 | <i>Chilita crinita</i> (DC.) Buxb. wfo--0000602066 | 203 |
| <i>Chilenia reichii</i> (K.Schum.) Backeb. wfo--0000602014 | 122 | <i>Chilita decipiens</i> Orcutt wfo--0000602068 | 204 |
| <i>Chilenia rostrata</i> (Jacobi) Backeb. wfo--0000602015 | 126 | <i>Chilita denudata</i> (Engelm.) Orcutt wfo--0000602069... .. | 216 |
| <i>Chilenia subcylindrica</i> Backeb. wfo--0000602016 | 126 | <i>Chilita dioica</i> (K.Brandege) Buxb. wfo--0000602070 | 50 |
| <i>Chilenia subgibbosa</i> (Haw.) Backeb. wfo--0000602017 | 125 | <i>Chilita discolor</i> Orcutt wfo--0000602071..... | 205 |
| <i>Chilenia thiebautiana</i> Backeb. wfo--0001430444 | 124 | <i>Chilita echinaria</i> (DC.) Orcutt wfo--0000602072 | 207 |
| <i>Chileniopsis</i> Backeb. wfo--4000007857 | 112 | <i>Chilita elongata</i> (DC.) Orcutt wfo--0000602073 | 206 |
| | | <i>Chilita erectohamata</i> (Boed.) Buxb. wfo--0000602074 | 204 |
| | | <i>Chilita eriacantha</i> (Link & Otto ex Pfeiff.) Orcutt wfo-- 0000602075 | 207 |
| | | <i>Chilita erythrosperma</i> (Boed.) Buxb. wfo--0000602076 | 207 |
| | | <i>Chilita eschanzieri</i> (J.M.Coult.) Orcutt wfo--0000602077 | 199 |
| | | <i>Chilita eschauzieri</i> (J.M.Coult.) Orcutt wfo--0001288782 | 199 |
| | | <i>Chilita estanzuelensis</i> (A.Berger) Buxb. wfo--0000602079 | 201 |
| | | <i>Chilita fasciculata</i> (Engelm.) Buxb. wfo--0000602080 | 92 |
| | | <i>Chilita fertilis</i> Orcutt wfo--0000602081 | 198 |
| | | <i>Chilita fordii</i> Orcutt wfo--0000602082..... | 50 |
| | | <i>Chilita fragilis</i> (Salm-Dyck) Orcutt wfo--0000602083 | 236 |

| | | | |
|---|---------|--|----------|
| <i>Chilita fraileana</i> (Britton & Rose) Orcutt wfo--0000602084 | 50 | <i>Chilita prolifera</i> (Mill.) Orcutt wfo--0000602133 | 228 |
| <i>Chilita gasseriana</i> (Boed.) Buxb. wfo--0000602085 | 209 | <i>Chilita pubispina</i> (Boed.) Buxb. wfo--0000602135 | 204 |
| <i>Chilita gilensis</i> (Boed.) Buxb. wfo--0000602086 | 229 | <i>Chilita pygmaea</i> (Britton & Rose) Buxb. wfo--0000602136 | 204 |
| <i>Chilita glochidiata</i> Orcutt wfo--0000602087 | 211 | ..... | 204 |
| <i>Chilita goodridgei</i> (Scheer ex Salm-Dyck) Orcutt wfo--0000602088 | 50 | <i>Chilita rettigiana</i> (Boed.) Buxb. wfo--0000602137 | 229 |
| <i>Chilita goodridgei</i> (Scheer) Orcutt wfo--0001430445 | 420 | <i>Chilita saffordii</i> (Britton & Rose) Orcutt wfo--0000602138 | 202 |
| <i>Chilita grahamii</i> Orcutt wfo--0000602090 | 51, 197 | <i>Chilita sanluisensis</i> (Shurly) Buxb. wfo--0000602139 | 226 |
| <i>Chilita gueldemanniana</i> (Backeb.) Buxb. wfo--0000602091 | 51 | <i>Chilita scheidweileriana</i> (Otto) Orcutt wfo--0000602140 | 207 |
| <i>Chilita haehneliana</i> (Boed.) Buxb. wfo--0000602092 | 200 | <i>Chilita schelhasii</i> (Pfeiff.) Orcutt wfo--0000602141 | 203 |
| <i>Chilita herrerae</i> (Werderm.) Buxb. wfo--0000602093 | 212 | <i>Chilita schiedeana</i> Orcutt wfo--0000602142 | 232 |
| <i>Chilita hirsuta</i> (Boed.) Orcutt wfo--0000602094 | 199 | <i>Chilita schieliana</i> (Schick) Buxb. wfo--0000602143 | 226 |
| <i>Chilita humboldtii</i> (Ehrenb.) Buxb. wfo--0000602095 | 214 | <i>Chilita seideliana</i> (Quehl) Orcutt wfo--0000602144 | 204 |
| <i>Chilita hutchisoniana</i> (H.E.Gates) Buxb. wfo--0000602096 | 51 | <i>Chilita sheldonii</i> (Britton & Rose) Orcutt wfo--0000602146 | 53 |
| <i>Chilita icamolensis</i> (Boed.) Buxb. wfo--0000602097 | 200 | <i>Chilita sinistrohamata</i> (Boed.) Buxb. wfo--0000602147232 | 232 |
| <i>Chilita inae</i> (R.T.Craig) Buxb. wfo--0000602098 | 53 | <i>Chilita slevinii</i> (Britton & Rose) Orcutt wfo--000060214848 | 233 |
| <i>Chilita insularis</i> (H.E.Gates) Buxb. wfo--0000602099 | 51 | <i>Chilita sphacelata</i> (Mart.) Orcutt wfo--0000602149 | 233 |
| <i>Chilita jaliscana</i> (Britton & Rose) Orcutt wfo--0000602101 | 214 | <i>Chilita swinglei</i> (Britton & Rose) Orcutt wfo--0000602150 | 53 |
| <i>Chilita knebeliana</i> (Boed.) Buxb. wfo--0000602102 | 200 | <i>Chilita tacubayensis</i> (Fedde) Buxb. wfo--0000602151 | 216 |
| <i>Chilita kunzeana</i> (Boed. & Quehl) Orcutt wfo--0000602103 | 199 | <i>Chilita thornberi</i> (Orcutt) Orcutt wfo--0000602152 | 53 |
| <i>Chilita lasiacantha</i> (Englem.) Orcutt wfo--0000602104 | 216 | <i>Chilita trichacantha</i> (K.Schum.) Buxb. wfo--0000602153 | 203 |
| <i>Chilita lengdobleriana</i> (Boed.) Buxb. wfo--0000602105 | 216 | <i>Chilum umbrina</i> (Ehrenb.) Orcutt wfo--0000602154 | 234 |
| <i>Chilita lenta</i> (K.Brandege) Orcutt wfo--0000602106 | 217 | <i>Chilita unihamata</i> (Boed.) Buxb. wfo--0000602155 | 237 |
| <i>Chilita longicoma</i> (Britton & Rose) Orcutt wfo--0000602107 | 199 | <i>Chilita verhaertiana</i> (Boed.) Orcutt wfo--0000602157 | 52 |
| <i>Chilita longiflora</i> (Britton & Rose) Orcutt wfo--0000602108 | 217 | <i>Chilita vetula</i> (Mart.) Orcutt wfo--0000602158 | 236 |
| <i>Chilita magallanii</i> (Schmoll ex R.T.Craig) Buxb. wfo--0000602109 | 216 | <i>Chilita viereckii</i> (Boed.) Buxb. wfo--0000602159 | 225 |
| <i>Chilita mainiae</i> (K.Brandege) Orcutt wfo--0000602110 | 52 | <i>Chilita viridiflora</i> (Britton & Rose) Orcutt wfo--0000602160 | 54 |
| <i>Chilita mazatlanensis</i> (K.Schum.) Orcutt wfo--0000602112 | 221 | <i>Chilita weingartiana</i> (Boed.) Buxb. wfo--0000602161 | 237 |
| <i>Chilita mercadensis</i> (Patoni) Orcutt wfo--0000602113 | 222 | <i>Chilita wilcoxii</i> (Toumey ex K.Schum.) Orcutt wfo--0000602162 | 54 |
| <i>Chilita microcarpa</i> (Engelm.) Buxb. wfo--0000602114 | 51 | <i>Chilita wildii</i> (A.Dietr.) Orcutt wfo--0000602163 | 204 |
| <i>Chilita milleri</i> (Britton & Rose) Orcutt wfo--0000602115 | 51 | <i>Chilita wrightii</i> (Engelm.) Orcutt wfo--0000602164 | 54 |
| <i>Chilita moelleriana</i> (Boed.) Buxb. wfo--0000602116 | 222 | <i>Chilita xanthina</i> (Britton & Rose) Orcutt wfo--0000602165 | 235 |
| <i>Chilita monancistrina</i> (O.Berg ex K.Schum.) Buxb. wfo--0000602117 | 223 | <i>Chilita yaquensis</i> (R.T.Craig) Buxb. wfo--0000602166 | 53 |
| <i>Chilita multiceps</i> (Salm-Dyck) Orcutt wfo--0000602118 | 228 | <i>Chilita zeilmanniana</i> (Boed.) Buxb. wfo--0000602168 | 237 |
| <i>Chilita multififormis</i> (Britton & Rose) Orcutt wfo--0000602119 | 208 | <i>Chilita zephyranthoides</i> (Scheidw.) Orcutt wfo--0000602169 | 237 |
| <i>Chilita multihamata</i> (Boed.) Orcutt wfo--0000602120 | 222 | <i>Chilita zucariniiana</i> (Mart.) Orcutt wfo--0000602170 | 218 |
| <i>Chilita nelsonii</i> (Britton & Rose) Orcutt wfo--0000602121 | 199 | <i>Chrysocactus</i> Y.Itô wfo--4000042613 | 279 |
| <i>Chilita occidentalis</i> (Britton & Rose) Orcutt wfo--0000602124 | 221 | <i>Cinnabarinea acanthoplegma</i> (Backeb.) F.Ritter wfo--0001430446 | 190 |
| <i>Chilita oliviae</i> (Orcutt) Orcutt wfo--0000602125 | 51 | <i>Cinnabarinea boedekeriana</i> (Harden) F.Ritter wfo--0000604830 | 189 |
| <i>Chilita</i> Orcutt wfo--4000007870 | 197 | <i>Cinnabarinea cinnabarina</i> (Hook.) Frič ex F.Ritter wfo--0000604831 | 181, 183 |
| <i>Chilita painteri</i> (Rose) Buxb. wfo--0000602126 | 224 | <i>Cinnabarinea</i> Frič ex F.Ritter wfo--4000008338 | 181 |
| <i>Chilita palmeri</i> (J.M.Coult.) Orcutt wfo--0000602127 | 52 | <i>Cinnabarinea oligotricha</i> (Cárdenas) F.Ritter wfo--0000604832 | 190 |
| <i>Chilita phitauiana</i> (E.M.Baxter) Buxb. wfo--0000602128 | 52 | <i>Cinnabarinea prestoana</i> (Cárdenas) F.Ritter wfo--0000604833 | 184 |
| <i>Chilita pilispina</i> (J.A.Purpus) Buxb. wfo--0000602129 | 226 | <i>Cinnabarinea pseudocinnabarina</i> var. <i>microthelis</i> F.Ritter wfo--0001246770 | 190 |
| <i>Chilita plumosa</i> (F.A.C.Weber) Orcutt wfo--0000602130 | 226 | <i>Cinnabarinea purpurea</i> (Donald & A.B.Lau) F.Ritter wfo--0001262956 | 385 |
| <i>Chilita posseltiana</i> (Boed.) Buxb. wfo--0000602131 | 229 | <i>Cinnabarinea torotorensis</i> (Cárdenas) F.Ritter wfo--0000604834 | 383 |
| <i>Chilita pottsii</i> (Scheer ex Salm-Dyck) Orcutt wfo--0000602132 | 227 | | |

| | | | |
|---|----------|--|-----|
| <i>Cinnabarinea walterspielii</i> (Boed.) F.Ritter wfo--- | | <i>Cleistocactus aureus</i> (Meyen) F.A.C.Weber wfo--- | |
| 0000604835..... | 184 | 0000609240..... | 60 |
| <i>Cinnabarinea walterspielii</i> var. <i>sanguiniflora</i> F.Ritter wfo--- | | <i>Cleistocactus ayopayanus</i> Cárdenas wfo---0000609241.. | 46 |
| 0001430447..... | 184 | <i>Cleistocactus azerenis</i> Cárdenas wfo---0000609242..... | 47 |
| <i>Cinnabarinea zudanensis</i> (Cárdenas) F.Ritter wfo--- | | <i>Cleistocactus baumannii</i> (Lem.) Lem. wfo---000060924344, | 45 |
| 0000604837..... | 184 | <i>Cleistocactus baumannii</i> subsp. <i>anguinus</i> (Gürke) P.J.Braun | |
| <i>Cintia</i> Kníže & Říha wfo---4000008347..... | 378 | & Esteves wfo---0000609244..... | 45 |
| <i>Cintia knizei</i> Říha wfo---0000605555..... | 378, 382 | <i>Cleistocactus baumannii</i> subsp. <i>baumannii</i> wfo--- | |
| <i>Cipocereus bradei</i> (Backeb. & Voll) Zappi & N.P.Taylor wfo- | | 0001434713..... | 45 |
| --0000605579..... | 44 | <i>Cleistocactus baumannii</i> subsp. <i>chacoanus</i> (F.Ritter) | |
| <i>Cipocereus crassisepalus</i> (Buining & Brederoo) Zappi & | | P.J.Braun & Esteves wfo---0000609245..... | 45 |
| N.P.Taylor wfo---0000605580..... | 44 | <i>Cleistocactus baumannii</i> subsp. <i>croceiflorus</i> (F.Ritter) | |
| <i>Cipocereus</i> F.Ritter wfo---4000008356..... | 44 | P.J.Braun & Esteves wfo---0000609247..... | 45 |
| <i>Cipocereus laniflorus</i> N.P.Taylor & Zappi wfo---0000605581 | | <i>Cleistocactus baumannii</i> subsp. <i>horstii</i> (P.J.Braun) | |
| ..... | 44 | N.P.Taylor wfo---0000609251..... | 45 |
| <i>Cipocereus minensis</i> (Werderm.) F.Ritter wfo--- | | <i>Cleistocactus baumannii</i> subsp. <i>santacruzensis</i> (Backeb.) | |
| 0000605582..... | 44 | Mottram wfo---0000609253..... | 45 |
| <i>Cipocereus minensis</i> subsp. <i>leiocarpus</i> N.P.Taylor & Zappi | | <i>Cleistocactus baumannii</i> var. <i>colubrinus</i> (Otto ex C.F.Först.) | |
| wfo---0001430448..... | 44 | Riccob. wfo---0000609246..... | 45 |
| <i>Cipocereus minensis</i> subsp. <i>minensis</i> wfo---0001254941 | | <i>Cleistocactus baumannii</i> var. <i>flavispinus</i> (Salm-Dyck) | |
| 44 | | Riccob. wfo---0000609248..... | 45 |
| <i>Cipocereus minensis</i> subsp. <i>pleurocarpus</i> (F.Ritter) | | <i>Cleistocactus baumannii</i> var. <i>grossei</i> (Weing.) | |
| N.P.Taylor & Zappi wfo---0000605583..... | 44 | W.T.Marshall wfo---0000609249..... | 45 |
| <i>Cipocereus pleurocarpus</i> F.Ritter wfo---0000605584..... | 44 | <i>Cleistocactus baumannii</i> var. <i>paraguariensis</i> (F.Ritter) | |
| <i>Cipocereus pusilliflorus</i> (F.Ritter) Zappi & N.P.Taylor wfo--- | | P.J.Braun & Esteves wfo---0000609252..... | 45 |
| 0000605585..... | 44 | <i>Cleistocactus brevispinus</i> F.Ritter wfo---0000609254..... | 47 |
| <i>Cirinosum</i> Neck. wfo---4000042581..... | 38 | <i>Cleistocactus brookeae</i> Cárdenas wfo---0000609255..... | 45 |
| <i>Clavarioidia clavarioides</i> (Pfeiff.) Kreuz. wfo---0000608751 | | <i>Cleistocactus brookeae</i> subsp. <i>brookeae</i> wfo--- | |
| ..... | 400 | 0001434714..... | 45 |
| <i>Clavarioidia clavarioides</i> f. <i>cristata</i> Kreuz. wfo--- | | <i>Cleistocactus brookeae</i> subsp. <i>vulpis-cauda</i> (F.Ritter & | |
| 0001430449..... | 195 | Cullmann) Mottram wfo---0000609257..... | 45 |
| <i>Clavarioidia</i> Kreuz. wfo---4000008509..... | 400 | <i>Cleistocactus brookeae</i> var. <i>flavispinus</i> F.Ritter wfo--- | |
| <i>Cleistocactus xclavispinus</i> (Rauh & Backeb.) Ostolaza wfo-- | | 0000609256..... | 45 |
| -0000609273..... | 165 | <i>Cleistocactus bruneispinus</i> Backeb. wfo---0000609258.. | 45 |
| <i>Cleistocactus xcrassiserpens</i> Rauh & Backeb. wfo--- | | <i>Cleistocactus buchtienii</i> Backeb. wfo---0000609259..... | 45 |
| 0000609279..... | 31 | <i>Cleistocactus buchtienii</i> Backeb. wfo---0001430451..... | 45 |
| <i>Cleistocactus xcrassiserpens</i> Rauh & Backeb. wfo--- | | <i>Cleistocactus buchtienii</i> var. <i>flavispinus</i> Cárdenas wfo--- | |
| 0001287578..... | 31 | 0000609260..... | 46 |
| <i>Cleistocactus xrojoi</i> Cárdenas wfo---0000609354..... | 47 | <i>Cleistocactus candelilla</i> Cárdenas wfo---0000609262..... | 46 |
| <i>Cleistocactus xvillamontesii</i> Cárdenas wfo---000060938247 | | <i>Cleistocactus candelilla</i> subsp. <i>piraymirensis</i> (Cárdenas) | |
| <i>Cleistocactus xvillamontesii</i> var. <i>longiflorior</i> Backeb. wfo--- | | Mottram wfo---0000609263..... | 47 |
| 0000609383..... | 47 | <i>Cleistocactus candelilla</i> var. <i>pojoensis</i> Cárdenas wfo--- | |
| <i>Cleistocactus acanthurus</i> (Vaupel) D.R.Hunt wfo--- | | 0000609264..... | 46 |
| 0000609228..... | 29 | <i>Cleistocactus capadalensis</i> F.Ritter wfo---0000609265... 48 | |
| <i>Cleistocactus acanthurus</i> subsp. <i>canetensis</i> (Rauh & | | <i>Cleistocactus celsianus</i> (Lem. ex Salm-Dyck) F.A.C.Weber | |
| Backeb.) Ostolaza wfo---0000508830..... | 29 | wfo---0000609266..... | 275 |
| <i>Cleistocactus acanthurus</i> subsp. <i>faustianus</i> (Backeb.) | | <i>Cleistocactus chacoanus</i> F.Ritter wfo---0000609267..... | 45 |
| Ostolaza wfo---0001430450..... | 30 | <i>Cleistocactus chacoanus</i> var. <i>santacruzensis</i> F.Ritter wfo--- | |
| <i>Cleistocactus acanthurus</i> subsp. <i>pullatus</i> (Rauh & Backeb.) | | 0000609268..... | 45 |
| Ostolaza wfo---0000609232..... | 30 | <i>Cleistocactus chotaensis</i> F.A.C.Weber ex Rol.-Goss. wfo--- | |
| <i>Cleistocactus acanthurus</i> var. <i>faustianus</i> (Backeb.) | | 0000609269..... | 32 |
| Ostolaza wfo---0000609230..... | 30 | <i>Cleistocactus chrysocephalus</i> (F.Ritter) Mottram wfo--- | |
| <i>Cleistocactus acanthurus</i> var. <i>pullatus</i> (Rauh & Backeb.) | | 0000609270..... | 47 |
| Ostolaza wfo---0000609231..... | 30 | <i>Cleistocactus clavicaulis</i> Cárdenas wfo---0000609271.... | 48 |
| <i>Cleistocactus angosturensis</i> Cárdenas wfo---000060923346 | | <i>Cleistocactus clavispinus</i> (Rauh & Backeb.) Ostolaza wfo--- | |
| <i>Cleistocactus anguinus</i> (Gürke) Britton & Rose wfo--- | | 0001254942..... | 30 |
| 0000609234..... | 45 | <i>Cleistocactus colademononis</i> (Diers & Krahn) Mottram | |
| <i>Cleistocactus areolatus</i> Riccob. wfo---0000609235..... | 46 | wfo---0000506831..... | 48 |
| <i>Cleistocactus areolatus</i> var. <i>herzogianus</i> (Backeb.) Backeb. | | <i>Cleistocactus colubrinus</i> (Otto ex C.F.Först.) Lem. wfo--- | |
| wfo---0000609236..... | 46 | 0000609274..... | 45 |
| <i>Cleistocactus aureispinus</i> (F.Ritter) D.R.Hunt wfo--- | | | |
| 0000609238..... | 48 | | |
| <i>Cleistocactus aureispinus</i> Frič wfo---0000609237..... | 45 | | |

| | | | |
|---|-----|--|-----|
| <i>Cleistocactus colubrinus</i> var. <i>flavispinus</i> (Salm-Dyck) Borg wfo--0001430452..... | 45 | <i>Cleistocactus laniceps</i> (K.Schum.) Rol.-Goss. wfo--0000609317..... | 46 |
| <i>Cleistocactus colubrinus</i> var. <i>grossei</i> (Weing.) Borg wfo--0000609275..... | 45 | <i>Cleistocactus laniceps</i> var. <i>plurispinus</i> F.Ritter wfo--0000609318..... | 46 |
| <i>Cleistocactus compactus</i> Backeb. wfo--0000609276..... | 46 | <i>Cleistocactus</i> Lem. wfo--4000008545..... | 44 |
| <i>Cleistocactus crassicaulis</i> Cárdenas wfo--0000609277..... | 48 | <i>Cleistocactus leonensis</i> Madsen wfo--0000609319..... | 31 |
| <i>Cleistocactus crassicaulis</i> var. <i>paucispinus</i> F.Ritter wfo--0000609278..... | 48 | <i>Cleistocactus longiserpens</i> Leuenb. wfo--0000609320..... | 31 |
| <i>Cleistocactus croceiflorus</i> F.Ritter wfo--0000609280..... | 45 | <i>Cleistocactus luribayensis</i> Cárdenas wfo--0000609321..... | 46 |
| <i>Cleistocactus dependens</i> Cárdenas wfo--0000609281..... | 46 | <i>Cleistocactus mendozae</i> Cárdenas wfo--0000609322..... | 48 |
| <i>Cleistocactus erectispinus</i> (Rauh & Backeb.) Ostolaza wfo--0000609283..... | 29 | <i>Cleistocactus micropetalus</i> F.Ritter wfo--0000609323..... | 48 |
| <i>Cleistocactus erigens</i> (Rauh & Backeb.) Ostolaza wfo--0000508831..... | 29 | <i>Cleistocactus monvilleanus</i> (F.A.C.Weber ex K.Schum.) F.A.C.Weber wfo--0000609324..... | 398 |
| <i>Cleistocactus ferrarii</i> R.Kiesling wfo--0000609284..... | 47 | <i>Cleistocactus morawetzianus</i> Backeb. wfo--000060932546 | |
| <i>Cleistocactus fieldianus</i> (Britton & Rose) D.R.Hunt wfo--0000609285..... | 30 | <i>Cleistocactus morawetzianus</i> var. <i>pyncacanthus</i> Rauh & Backeb. wfo--0000609327..... | 46 |
| <i>Cleistocactus fieldianus</i> subsp. <i>samnensis</i> (F.Ritter) Ostolaza wfo--0000609286..... | 32 | <i>Cleistocactus muyurinensis</i> F.Ritter wfo--0000609328..... | 47 |
| <i>Cleistocactus fieldianus</i> subsp. <i>tessellatus</i> (Akers & Buining) Ostolaza wfo--0000609287..... | 30 | <i>Cleistocactus neoroezlii</i> (F.Ritter) Buxb. wfo--0000609329..... | 32 |
| <i>Cleistocactus flavispinus</i> (K.Schum.) Backeb. wfo--0000609288..... | 45 | <i>Cleistocactus nivosus</i> Borg wfo--0000609330..... | 48 |
| <i>Cleistocactus fossulatus</i> Mottram wfo--0000609289..... | 276 | <i>Cleistocactus orthogonus</i> Cárdenas wfo--0000609331..... | 46 |
| <i>Cleistocactus fusiflorus</i> Cárdenas wfo--0000609290..... | 46 | <i>Cleistocactus pachycladus</i> (Rauh & Backeb.) Ostolaza wfo--0000609332..... | 32 |
| <i>Cleistocactus glaucus</i> F.Ritter wfo--0000609291..... | 46 | <i>Cleistocactus palhuayensis</i> F.Ritter & Shahori wfo--0000609333..... | 47 |
| <i>Cleistocactus glaucus</i> var. <i>plurispinus</i> F.Ritter wfo--0000609294..... | 46 | <i>Cleistocactus palhuayensis</i> var. <i>camachoensis</i> F.Ritter & Shahori wfo--0000609334..... | 47 |
| <i>Cleistocactus granditessellatus</i> (Rauh & Backeb.) Leuenb. wfo--0000609295..... | 33 | <i>Cleistocactus paraguariensis</i> F.Ritter wfo--0000609335..... | 45 |
| <i>Cleistocactus granjaensis</i> F.Ritter wfo--0000609296..... | 46 | <i>Cleistocactus parapetiensis</i> Cárdenas wfo--0000609336..... | 47 |
| <i>Cleistocactus grossei</i> (Weing.) Backeb. wfo--0000609297..... | 45 | <i>Cleistocactus parviflorus</i> (K.Schum.) Rol.-Goss. wfo--0000609338..... | 46 |
| <i>Cleistocactus herzogianus</i> Backeb. wfo--0000609298..... | 46 | <i>Cleistocactus parviflorus</i> subsp. <i>parviflorus</i> wfo--0001434716..... | 46 |
| <i>Cleistocactus hilegardiae</i> F.Ritter wfo--0000609299..... | 46 | <i>Cleistocactus parviflorus</i> var. <i>aiquilensis</i> F.Ritter wfo--0001430453..... | 46 |
| <i>Cleistocactus hoffmannii</i> G.J.Charles wfo--0000609300..... | 30 | <i>Cleistocactus parviflorus</i> var. <i>comarapanus</i> F.Ritter wfo--0000609339..... | 46 |
| <i>Cleistocactus horstii</i> P.J.Braun wfo--0000609301..... | 45 | <i>Cleistocactus parviflorus</i> var. <i>herzogianus</i> (Backeb.) Backeb. wfo--0000609340..... | 46 |
| <i>Cleistocactus humboldtii</i> (Kunth) F.A.C.Weber wfo--0000609302..... | 31 | <i>Cleistocactus parvisetus</i> (Pfeiff.) F.A.C.Weber wfo--0000609341..... | 14 |
| <i>Cleistocactus hyalacanthus</i> (K.Schum.) Rol.-Goss. wfo--0000609303..... | 46 | <i>Cleistocactus peculiaris</i> (Rauh & Backeb.) Ostolaza wfo--0000609342..... | 30 |
| <i>Cleistocactus hyalacanthus</i> Backeb. wfo--0000609305..... | 46 | <i>Cleistocactus pedularis</i> (Rauh & Backeb.) Ostolaza wfo--0001254944..... | 30 |
| <i>Cleistocactus hyalacanthus</i> subsp. <i>hyalacanthus</i> wfo--0001434715..... | 46 | <i>Cleistocactus piraymirensis</i> Cárdenas wfo--0000609343..... | 47 |
| <i>Cleistocactus hyalacanthus</i> subsp. <i>tarijensis</i> (Cárdenas) Mottram wfo--0000609306..... | 46 | <i>Cleistocactus plagiostoma</i> (Vaupel) D.R.Hunt wfo--0000609344..... | 32 |
| <i>Cleistocactus hystrix</i> (Rauh & Backeb.) Ostolaza wfo--0000609307..... | 30 | <i>Cleistocactus pojoensis</i> (Cárdenas) Backeb. wfo--0000609345..... | 46 |
| <i>Cleistocactus ianthinus</i> Cárdenas wfo--0000609308..... | 46 | <i>Cleistocactus pungens</i> F.Ritter wfo--0000609346..... | 47 |
| <i>Cleistocactus icosagonus</i> (Kunth) F.A.C.Weber wfo--0000609309..... | 31 | <i>Cleistocactus pyncacanthus</i> (Rauh & Backeb.) Backeb. wfo--0000609347..... | 46 |
| <i>Cleistocactus jajoanus</i> (Backeb.) G.J.Charles wfo--0000609310..... | 31 | <i>Cleistocactus reae</i> Cárdenas wfo--0000609349..... | 47 |
| <i>Cleistocactus jugatiflorus</i> Backeb. wfo--0000609311..... | 45 | <i>Cleistocactus ressinianus</i> Cárdenas wfo--0000609350..... | 46 |
| <i>Cleistocactus jujuyensis</i> (Backeb.) Backeb. wfo--0000609312..... | 46 | <i>Cleistocactus rhodacanthus</i> (Salm-Dyck) Lem. wfo--0000609351..... | 79 |
| <i>Cleistocactus jujuyensis</i> var. <i>fulvus</i> F.Ritter wfo--0000609313..... | 46 | <i>Cleistocactus ritteri</i> Backeb. ex Guiggi wfo--000060935247 | |
| <i>Cleistocactus kerberi</i> (K.Schum.) Rol.-Goss. wfo--0000609314..... | 358 | <i>Cleistocactus ritteri</i> Backeb. wfo--0001430454..... | 47 |
| <i>Cleistocactus lanatus</i> (Kunth) F.A.C.Weber wfo--0000609316..... | 133 | <i>Cleistocactus roezlii</i> (F.Haage ex K.Schum.) Backeb. wfo--0000609353..... | 32 |
| | | <i>Cleistocactus roseiflorus</i> (Buining) G.D.Rowley wfo--0000609355..... | 31 |

| | | | |
|--|----|--|--------|
| <i>Cleistocactus samaipatanus</i> (Cárdenas) D.R.Hunt wfo-- 0000609356..... | 47 | <i>Cleistocactus vulpis-cauda</i> F.Ritter & Cullmann wfo-- 0000609386 | 45 |
| <i>Cleistocactus samaipatanus</i> subsp. <i>divi-miseratus</i> (Cárdenas ex Backeb.) M.Lowry wfo--0001430455..... | 47 | <i>Cleistocactus wendlandiorum</i> Backeb. wfo--0000609387 | 45 |
| <i>Cleistocactus samaipatanus</i> subsp. <i>samaipatanus</i> wfo-- 0001434717..... | 47 | <i>Cleistocactus winteri</i> D.R.Hunt wfo--0000609388 | 48 |
| <i>Cleistocactus samaipatanensis</i> (Cárdenas) D.R.Hunt wfo-- 0001289267..... | 47 | <i>Cleistocactus winteri</i> subsp. <i>colademono</i> D.R.Hunt wfo-- 0001430461 | 48 |
| <i>Cleistocactus santacruzensis</i> Backeb. wfo--0000609357 | 45 | <i>Cleistocactus winteri</i> subsp. <i>winteri</i> wfo--0001434719 | 48 |
| <i>Cleistocactus sepium</i> (Kunth) F.A.C.Weber wfo-- 0000609358..... | 32 | <i>Cleistocactus xylohrizus</i> (F.Ritter) Ostolaza wfo-- 0000609390 | 33 |
| <i>Cleistocactus sepium</i> var. <i>morleyanus</i> (Britton & Rose) Madsen wfo--0001430456 | 31 | <i>Cleistocereus</i> Frič & Kreuz. wfo--4000042585 | 44 |
| <i>Cleistocactus sepium</i> var. <i>sepium</i> wfo--0001289362 | 32 | <i>Clistanthocereus</i> Backeb. wfo--4000008637..... | 29 |
| <i>Cleistocactus sepium</i> var. <i>ventimigliae</i> (Riccob.) Madsen wfo--0001430457..... | 32 | <i>Clistanthocereus calviflorus</i> (F.Ritter) Backeb. wfo-- 0000611903 | 30 |
| <i>Cleistocactus serpens</i> (Kunth) F.A.C.Weber wfo-- 0000609360..... | 31 | <i>Clistanthocereus fieldianus</i> (Britton & Rose) Backeb. wfo-- 0000611904 | 29, 30 |
| <i>Cleistocactus sextonianus</i> (Backeb.) D.R.Hunt wfo-- 0000609361..... | 32 | <i>Clistanthocereus hertlingianus</i> Backeb. wfo--0000611905 | 34 |
| <i>Cleistocactus sextonianus</i> (Backeb.) D.R.Hunt wfo-- 0001430458..... | 32 | <i>Clistanthocereus samnensis</i> (F.Ritter) Backeb. wfo-- 0000611906 | 32 |
| <i>Cleistocactus smaragdiflorus</i> (F.A.C.Weber) Britton & Rose wfo--0000609362..... | 47 | <i>Clistanthocereus tessellatus</i> (Akers & Buining) Backeb. wfo--0000611908 | 30 |
| <i>Cleistocactus smaragdiflorus</i> f. <i>rojoi</i> (Cárdenas) F.Ritter wfo--0000609365..... | 47 | <i>Cochemiea</i> (K.Brandege) Walton wfo--4000008732..... | 48 |
| <i>Cleistocactus smaragdiflorus</i> var. <i>flavispinus</i> Borg wfo-- 0000609363..... | 47 | <i>Cochemiea albicans</i> (Britton & Rose) P.B.Breslin & Majure wfo--0001430462 | 48 |
| <i>Cleistocactus smaragdiflorus</i> var. <i>gracilior</i> Backeb. wfo-- 0000609364..... | 47 | <i>Cochemiea angelensis</i> (R.T.Craig) P.B.Breslin & Majure wfo--0001430463 | 48 |
| <i>Cleistocactus strausii</i> (Heese) Backeb. wfo--000060936647 | 47 | <i>Cochemiea armillata</i> (K.Brandege) P.B.Breslin & Majure wfo--0001430464 | 49 |
| <i>Cleistocactus strausii</i> var. <i>fricii</i> (Dörfl.) Backeb. wfo-- 0000609368..... | 46 | <i>Cochemiea barbata</i> (Engelm.) Doweld wfo--0000613654 | 49 |
| <i>Cleistocactus strausii</i> var. <i>jujuyensis</i> Backeb. wfo-- 0000609369..... | 46 | <i>Cochemiea blossfeldiana</i> (Boed.) P.B.Breslin & Majure wfo-- 0001430465 | 49 |
| <i>Cleistocactus sucrensensis</i> Cárdenas wfo--0000609370..... | 46 | <i>Cochemiea blossfeldiana</i> subsp. <i>blossfeldiana</i> wfo-- 0001434720 | 49 |
| <i>Cleistocactus sulcifer</i> (Rauh & Backeb.) Leuenb. wfo-- 0000609371..... | 33 | <i>Cochemiea blossfeldiana</i> subsp. <i>rectispina</i> (E.Y.Dawson) P.B.Breslin & Majure wfo--0001430466 | 49 |
| <i>Cleistocactus tarijensis</i> Cárdenas wfo--0000609372..... | 46 | <i>Cochemiea boolii</i> (G.E.Linds.) P.B.Breslin & Majure wfo-- 0001430467 | 49 |
| <i>Cleistocactus tenuiserpens</i> Rauh & Backeb. wfo-- 0000609373..... | 33 | <i>Cochemiea bullardiana</i> (H.E.Gates) P.B.Breslin & Majure wfo--0001430468 | 49 |
| <i>Cleistocactus tominensis</i> (Weing.) Backeb. wfo-- 0000609374..... | 48 | <i>Cochemiea capensis</i> (H.E.Gates) Doweld wfo-- 0000613655 | 49 |
| <i>Cleistocactus tominensis</i> subsp. <i>micropetalus</i> (F.Ritter) Mottram wfo--0000609375 | 48 | <i>Cochemiea cerralboa</i> (Britton & Rose) P.B.Breslin & Majure wfo--0001430469 | 49 |
| <i>Cleistocactus tominensis</i> subsp. <i>tominensis</i> wfo-- 0001434718..... | 48 | <i>Cochemiea conoidea</i> (DC.) P.B.Breslin & Majure wfo-- 0001430470 | 50 |
| <i>Cleistocactus tupizensis</i> (Vaupel) Backeb. wfo-- 0000609376..... | 45 | <i>Cochemiea dioica</i> (K.Brandege) Doweld wfo-- 0000613656 | 50 |
| <i>Cleistocactus tupizensis</i> (Vaupel) Backeb. wfo-- 0001430459..... | 45 | <i>Cochemiea dioica</i> subsp. <i>angelensis</i> (R.T.Craig) Doweld wfo--0001430471 | 48 |
| <i>Cleistocactus tupizensis</i> var. <i>sucrensensis</i> (Cárdenas) Backeb. wfo--0000609377..... | 46 | <i>Cochemiea dioica</i> subsp. <i>estebanensis</i> (G.E.Linds.) Doweld wfo--0001430472 | 50 |
| <i>Cleistocactus vallegrandensis</i> Cárdenas wfo--0000609379 | 46 | <i>Cochemiea estebanensis</i> (G.E.Linds.) P.B.Breslin & Majure wfo--0001430473 | 50 |
| <i>Cleistocactus variispinus</i> F.Ritter wfo--0000609380 | 47 | <i>Cochemiea fraileana</i> (Britton & Rose) P.B.Breslin & Majure wfo--0001430474 | 50 |
| <i>Cleistocactus villaazulensis</i> F.Ritter wfo--0000609381..... | 46 | <i>Cochemiea goodridgei</i> (Scheer ex Salm-Dyck) P.B.Breslin & Majure wfo--0001430475..... | 50 |
| <i>Cleistocactus villamontesii</i> var. <i>longiflorior</i> Backeb. wfo-- 0001430460..... | 47 | <i>Cochemiea grahamii</i> (Engelm.) Doweld wfo--0000613657 | 51 |
| <i>Cleistocactus viridialabastri</i> Cárdenas wfo--000060938448 | 48 | | |
| <i>Cleistocactus viridiflorus</i> Backeb. wfo--0000609385..... | 47 | | |

| | | | |
|--|--------|--|----------|
| <i>Cochemiea guelzowiana</i> (Werderm.) P.B.Breslin & Majure wfo--0001430476..... | 51 | <i>Cochemiea wrightii</i> (Engelm. & J.M.Bigelow) Doweld wfo--0000613674..... | 54 |
| <i>Cochemiea halei</i> (K.Brandege) Walton wfo--0000613658..... | 48, 51 | <i>Cochemiea wrightii</i> subsp. <i>wilcoxii</i> (Toumey ex K.Schum.) Doweld wfo--0001430492..... | 54 |
| <i>Cochemiea hutchisoniana</i> (H.E.Gates) P.B.Breslin & Majure wfo--0001430477..... | 51 | <i>Cochemiea wrightii</i> subsp. <i>wrightii</i> wfo--0001434724.. | 54 |
| <i>Cochemiea hutchisoniana</i> subsp. <i>hutchisoniana</i> wfo--0001434721..... | 51 | <i>Cochiseia robbinsorum</i> W.H.Earle wfo--0000613675.. | 128, 131 |
| <i>Cochemiea hutchisoniana</i> subsp. <i>louisae</i> (G.E.Linds.) Majure wfo--0001434722..... | 51 | <i>Cochiseia</i> W.H.Earle wfo--4000008733..... | 128 |
| <i>Cochemiea insularis</i> (H.E.Gates) P.B.Breslin & Majure wfo--0001430478..... | 51 | <i>Coleocephalocereus albicephalus</i> (Buining & Brederoo) F.H.Brandt wfo--0000614634..... | 251 |
| <i>Cochemiea macdougallii</i> (Alexander) P.B.Breslin & Majure wfo--0001430479..... | 52 | <i>Coleocephalocereus aureispinus</i> Buining & Brederoo wfo--0000614635..... | 308 |
| <i>Cochemiea mainiae</i> (K.Brandege) P.B.Breslin & Majure wfo--0001430480..... | 52 | <i>Coleocephalocereus aureus</i> F.Ritter wfo--0000614636.. | 54 |
| <i>Cochemiea maritima</i> G.E.Linds. wfo--0000613659..... | 52 | <i>Coleocephalocereus aureus</i> subsp. <i>brevicylindricus</i> (Buining) P.J.Braun wfo--0000614638..... | 54 |
| <i>Cochemiea multidigitata</i> (Radley & G.E.Linds.) P.B.Breslin & Majure wfo--0001430481..... | 52 | <i>Coleocephalocereus aureus</i> subsp. <i>elongatus</i> (Buining) P.J.Braun wfo--0000614639..... | 54 |
| <i>Cochemiea palmeri</i> (J.M.Coult.) P.B.Breslin & Majure wfo--0001430482..... | 52 | <i>Coleocephalocereus aureus</i> var. <i>longispinus</i> (Buining) P.J.Braun wfo--0000614640..... | 54 |
| <i>Cochemiea phitauiana</i> (E.M.Baxter) Doweld wfo--0000613660..... | 52 | <i>Coleocephalocereus</i> Backeb. wfo--4000008898..... | 54 |
| <i>Cochemiea pondii</i> (Greene) Walton wfo--0000613662..... | 52 | <i>Coleocephalocereus braunii</i> Diers & Esteves wfo--0000614641..... | 54 |
| <i>Cochemiea pondii</i> subsp. <i>maritima</i> (G.E.Linds.) U.Guzmán wfo--0000613663..... | 52 | <i>Coleocephalocereus brevicylindricus</i> (Buining) F.Ritter wfo--0000614642..... | 54 |
| <i>Cochemiea pondii</i> subsp. <i>pondii</i> wfo--0001286223..... | 52 | <i>Coleocephalocereus brevicylindricus</i> var. <i>elongatus</i> (Buining) F.Ritter wfo--0000614643..... | 54 |
| <i>Cochemiea pondii</i> subsp. <i>setispina</i> (Engelm. ex J.M.Coult.) U.Guzmán wfo--0000613664..... | 53 | <i>Coleocephalocereus brevicylindricus</i> var. <i>longispinus</i> (Buining) F.Ritter wfo--0000614644..... | 54 |
| <i>Cochemiea posegeri</i> (Hildm.) Britton & Rose wfo--0000613665..... | 52 | <i>Coleocephalocereus buxbaumianus</i> Buining wfo--0000614645..... | 54 |
| <i>Cochemiea roseana</i> (K.Brandege) Walton wfo--0000613666..... | 52 | <i>Coleocephalocereus buxbaumianus</i> subsp. <i>buxbaumianus</i> wfo--0001254665..... | 54 |
| <i>Cochemiea saboae</i> (Glass) Doweld wfo--0000613667..... | 52 | <i>Coleocephalocereus buxbaumianus</i> subsp. <i>flavisetus</i> (F.Ritter) N.P.Taylor & Zappi wfo--0000614646..... | 54 |
| <i>Cochemiea saboae</i> subsp. <i>goldii</i> (Glass & R.A.Foster) Doweld wfo--0001430483..... | 52 | <i>Coleocephalocereus decumbens</i> F.Ritter wfo--0000614647..... | 55 |
| <i>Cochemiea saboae</i> subsp. <i>haudeana</i> (A.B.Lau & K.Wagner) Doweld wfo--0001430484..... | 52 | <i>Coleocephalocereus diersianus</i> P.J.Braun & Esteves wfo--0000614649..... | 55 |
| <i>Cochemiea saboae</i> subsp. <i>saboae</i> wfo--0001434723..... | 52 | <i>Coleocephalocereus dybowskii</i> (Rol.-Goss.) F.H.Brandt wfo--0000614650..... | 135 |
| <i>Cochemiea schumannii</i> (Hildm.) P.B.Breslin & Majure wfo--0001430485..... | 53 | <i>Coleocephalocereus elongatus</i> (Buining) P.J.Braun wfo--0000614651..... | 54 |
| <i>Cochemiea senilis</i> (Lodd. ex Salm-Dyck) Orcutt wfo--0000613668..... | 232 | <i>Coleocephalocereus estevesii</i> Diers wfo--0000614652..... | 54 |
| <i>Cochemiea setispina</i> (Engelm. ex J.M.Coult.) Walton wfo--0000613669..... | 53 | <i>Coleocephalocereus flavisetus</i> F.Ritter wfo--0000614653..... | 54 |
| <i>Cochemiea sheldonii</i> (Britton & Rose) Doweld wfo--0000613671..... | 53 | <i>Coleocephalocereus fluminensis</i> (Miq.) Backeb. wfo--0000614654..... | 54 |
| <i>Cochemiea swinglei</i> (Britton & Rose) Doweld wfo--0000613672..... | 53 | <i>Coleocephalocereus fluminensis</i> subsp. <i>braamhaarii</i> (P.J.Braun) P.J.Braun & Esteves wfo--0000614656..... | 55 |
| <i>Cochemiea tetrancistra</i> (Engelm.) P.B.Breslin & Majure wfo--0001430486..... | 53 | <i>Coleocephalocereus fluminensis</i> subsp. <i>decumbens</i> (F.Ritter) N.P.Taylor & Zappi wfo--0000614657..... | 55 |
| <i>Cochemiea theresae</i> (Cutak) Doweld wfo--0000613673..... | 53 | <i>Coleocephalocereus fluminensis</i> subsp. <i>fluminensis</i> wfo--0001254666..... | 55 |
| <i>Cochemiea thomasi</i> García-Mor., Rodr.González, J.García-Jim. & Iamónico wfo--0001430487..... | 53 | <i>Coleocephalocereus fluminensis</i> subsp. <i>paulensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0000614660..... | 55 |
| <i>Cochemiea thornberi</i> (Orcutt) P.B.Breslin & Majure wfo--0001430488..... | 53 | <i>Coleocephalocereus fluminensis</i> var. <i>braamhaarii</i> P.J.Braun wfo--0000614655..... | 55 |
| <i>Cochemiea thornberi</i> subsp. <i>thornberi</i> wfo--0001430489..... | 53 | <i>Coleocephalocereus fluminensis</i> var. <i>paulensis</i> (F.Ritter) P.J.Braun wfo--0000614658..... | 55 |
| <i>Cochemiea thornberi</i> subsp. <i>yaquensis</i> (R.T.Craig) P.B.Breslin & Majure wfo--0001430490..... | 53 | <i>Coleocephalocereus goebelianus</i> (Vaupel) Buining wfo--0000614661..... | 55 |
| <i>Cochemiea viridiflora</i> (Britton & Rose) P.B.Breslin & Majure wfo--0001430491..... | 54 | | |

| | | | |
|--|----------|---|-----|
| <i>Coleocephalocereus lehmannianus</i> (Werderm.) F.H.Brandt wfo--0000614662..... | 252 | <i>Consolea nashii</i> subsp. <i>gibarensis</i> Areces wfo-- 0000619506..... | 56 |
| <i>Coleocephalocereus luetzelburgii</i> (Vaupel) Buxb. wfo-- 0000614663..... | 359 | <i>Consolea nashii</i> subsp. <i>nashii</i> wfo--0001430494..... | 56 |
| <i>Coleocephalocereus minensis</i> (Werderm.) F.H.Brandt wfo-- -0000614664..... | 44 | <i>Consolea picardae</i> (Urb.) Areces wfo--0000619507..... | 55 |
| <i>Coleocephalocereus pachystele</i> F.Ritter wfo--0000614665 | 55 | <i>Consolea rubescens</i> (Salm-Dyck ex DC.) Lem. wfo-- 0000619508..... | 56 |
| <i>Coleocephalocereus paulensis</i> F.Ritter wfo--0000614666 | 55 | <i>Consolea spinosissima</i> (Mill.) Lem. wfo--0000619509... 55, 56 | |
| <i>Coleocephalocereus pleurocarpus</i> (F.Ritter) F.H.Brandt wfo--0000614667..... | 44 | <i>Consolea spinosissima</i> subsp. <i>corallicola</i> (Small) Guiggi wfo--0001430495..... | 55 |
| <i>Coleocephalocereus pluricostatus</i> Buining & Brederoo wfo-- -0000614668..... | 55 | <i>Consolea spinosissima</i> subsp. <i>millspaughii</i> (Britton) Guiggi wfo--0000743603..... | 55 |
| <i>Coleocephalocereus pluricostatus</i> subsp. <i>uebelmanniorum</i> P.J.Braun & Esteves wfo--0000614669..... | 55 | <i>Consolea testudinis-crus</i> (F.A.C.Weber) Mottram & Hoxey wfo--0001430496..... | 56 |
| <i>Coleocephalocereus purpureus</i> (Buining & Brederoo) F.Ritter wfo--0000614671..... | 55 | <i>Consolea urbaniana</i> (Werderm.) F.M.Knuth wfo-- 0000619510..... | 274 |
| <i>Coleocephalocereus subg. Lagenopsis</i> Buxb. wfo-- 3500004041..... | 359 | <i>Copiapoa xscopa</i> Doweld wfo--0000619801..... | 60 |
| <i>Coleocephalocereus uebelmanniorum</i> (P.J.Braun & Esteves) P.J.Braun, Esteves & Hofacker wfo-- 0000506865..... | 55 | <i>Copiapoa ahremephiana</i> N.P.Taylor & G.J.Charles wfo-- 0000619661..... | 57 |
| <i>Coloradoa</i> Boissev. & C.Davidson wfo--4000008974 ... | 336 | <i>Copiapoa algarrobensis</i> Katt. wfo--0001430497..... | 59 |
| <i>Coloradoa mesae-verdae</i> Boissev. & C.Davidson wfo-- 0000615192..... | 336, 338 | <i>Copiapoa alticostata</i> F.Ritter wfo--0000619662..... | 57 |
| <i>Consolea acaulis</i> (Ekman & Werderm.) F.M.Knuth wfo-- 0000619490..... | 413 | <i>Copiapoa angustiflora</i> Helmut Walter, G.J.Charles & Mächler wfo--0000506877..... | 56 |
| <i>Consolea bahamana</i> (Britton & Rose) A.Berger wfo-- 0000619491..... | 258 | <i>Copiapoa aphanes</i> Mächler & Helmut Walter wfo-- 0000619663..... | 56 |
| <i>Consolea catacantha</i> (Link & Otto) Lem. wfo--0000619493 | 56 | <i>Copiapoa applanata</i> Backeb. wfo--0000619664..... | 57 |
| <i>Consolea corallicola</i> Small wfo--0000619494..... | 55 | <i>Copiapoa armata</i> (F.Ritter) Helmut Walter & Larridon wfo-- -0001430498..... | 56 |
| <i>Consolea falcata</i> (Ekman & Werderm.) F.M.Knuth wfo-- 0000619495..... | 55 | <i>Copiapoa atacamensis</i> Middled. wfo--0000619665..... | 56 |
| <i>Consolea ferox</i> (Willd.) Lem. wfo--0000619496..... | 56 | <i>Copiapoa atacamensis</i> var. <i>calderiana</i> (F.Ritter) A.E.Hoffm. wfo--0001430499..... | 57 |
| <i>Consolea guanicana</i> (K.Schum. ex Gürke) F.M.Knuth wfo-- 0000619497..... | 56 | <i>Copiapoa australis</i> (Hoxey) Helmut Walter & Larridon wfo-- -0001430500..... | 56 |
| <i>Consolea</i> Lem. wfo--4000009191..... | 55 | <i>Copiapoa boliviana</i> (Pfeiff.) F.Ritter wfo--0000619667 .. | 56 |
| <i>Consolea leucacantha</i> (Link & Otto) Lem. wfo-- 0000619498..... | 265 | <i>Copiapoa bridgesii</i> (Pfeiff.) Backeb. wfo--0000619668... | 58 |
| <i>Consolea macracantha</i> (Griseb.) A.Berger wfo-- 0000619499..... | 55 | <i>Copiapoa</i> Britton & Rose wfo--4000009224..... | 56 |
| <i>Consolea macracantha</i> subsp. <i>nashii</i> (Britton) Guiggi wfo-- 0000743601..... | 56 | <i>Copiapoa calderana</i> F.Ritter wfo--0000619669..... | 57 |
| <i>Consolea microcarpa</i> E.F.Anderson wfo--0000619500 ... | 55 | <i>Copiapoa calderana</i> subsp. <i>atacamensis</i> (Middled.) D.R.Hunt wfo--0000619671..... | 56 |
| <i>Consolea millspaughii</i> (Britton) A.Berger wfo-- 0000619501..... | 55 | <i>Copiapoa calderana</i> subsp. <i>atacamensis</i> (Middled.) Doweld wfo--0000619670..... | 56 |
| <i>Consolea millspaughii</i> subsp. <i>caymanensis</i> Areces wfo-- 0001430493..... | 55 | <i>Copiapoa calderana</i> subsp. <i>longistaminea</i> (F.Ritter) N.P.Taylor wfo--0000619672..... | 59 |
| <i>Consolea millspaughii</i> subsp. <i>corallicola</i> (Small) Majure wfo--0001434725..... | 55 | <i>Copiapoa calderiana</i> var. <i>spinosior</i> F.Ritter wfo-- 0001430501..... | 57 |
| <i>Consolea millspaughii</i> subsp. <i>millspaughii</i> wfo-- 0001436301..... | 55 | <i>Copiapoa carrizalensis</i> F.Ritter wfo--0000619673..... | 58 |
| <i>Consolea moniliformis</i> (L.) A.Berger wfo--0000619503... 56 | | <i>Copiapoa carrizalensis</i> var. <i>gigantea</i> F.Ritter wfo-- 0000619674..... | 58 |
| <i>Consolea moniliformis</i> subsp. <i>guantanamana</i> Areces wfo-- 0000619504..... | 56 | <i>Copiapoa chaniaralensis</i> F.Ritter wfo--0000619675..... | 59 |
| <i>Consolea moniliformis</i> subsp. <i>moniliformis</i> wfo-- 0001434726..... | 56 | <i>Copiapoa cinerascens</i> (Salm-Dyck) Britton & Rose wfo-- 0000619677..... | 57 |
| <i>Consolea moniliformis</i> subsp. <i>rubescens</i> (Salm-Dyck ex DC.) Guiggi wfo--0000743602..... | 56 | <i>Copiapoa cinerascens</i> var. <i>grandiflora</i> (F.Ritter) A.E.Hoffm. wfo--0000619678..... | 58 |
| <i>Consolea nashii</i> (Britton) A.Berger wfo--0000619505..... 56 | | <i>Copiapoa cinerascens</i> var. <i>intermedia</i> F.Ritter wfo-- 0000619679..... | 57 |
| | | <i>Copiapoa cinerea</i> (Phil.) Britton & Rose wfo--0000619680 | 57 |
| | | <i>Copiapoa cinerea</i> subsp. <i>cinerea</i> wfo--0001434727..... | 57 |
| | | <i>Copiapoa cinerea</i> subsp. <i>columna-alba</i> (F.Ritter) D.R.Hunt wfo--0000619683..... | 57 |
| | | <i>Copiapoa cinerea</i> subsp. <i>columna-alba</i> (F.Ritter) Doweld wfo--0000619682..... | 57 |

| | | | |
|---|----|---|----|
| <i>Copiapoa cinerea</i> subsp. <i>dealbata</i> (F.Ritter) Slaba wfo-- 0000619685..... | 58 | <i>Copiapoa coquimbana</i> var. <i>vallenarensis</i> (F.Ritter) A.E.Hoffm. wfo--0000619710 | 57 |
| <i>Copiapoa cinerea</i> subsp. <i>eremophila</i> (F.Ritter) Doweld wfo-- 0000619688 | 58 | <i>Copiapoa coquimbana</i> var. <i>wagenknechtii</i> F.Ritter wfo-- 0000619712 | 57 |
| <i>Copiapoa cinerea</i> subsp. <i>gigantea</i> (Backeb.) Slaba wfo-- 0000619690..... | 58 | <i>Copiapoa corralensis</i> I.Schaub & Keim wfo--0001430506 | 58 |
| <i>Copiapoa cinerea</i> subsp. <i>haseltoniana</i> (Backeb.) N.P.Taylor wfo--0000619692..... | 58 | <i>Copiapoa cuprea</i> F.Ritter wfo--0000619713..... | 58 |
| <i>Copiapoa cinerea</i> subsp. <i>krainziana</i> (F.Ritter) Slaba wfo-- 0000619693..... | 57 | <i>Copiapoa cupreata</i> (Poselg. ex Rümpler) Backeb. wfo-- 0000619714 | 58 |
| <i>Copiapoa cinerea</i> var. <i>albispina</i> F.Ritter wfo--0001430502 | 57 | <i>Copiapoa dealbata</i> f. <i>gigantea</i> (F.Ritter) A.E.Hoffm. wfo-- 0000619717 | 58 |
| <i>Copiapoa cinerea</i> var. <i>cinerea</i> wfo--0001287233..... | 57 | <i>Copiapoa dealbata</i> F.Ritter wfo--0000619715 | 58 |
| <i>Copiapoa cinerea</i> var. <i>columna-alba</i> (F.Ritter) Backeb. wfo-- 0000619681 | 57 | <i>Copiapoa dealbata</i> var. <i>carrizalensis</i> (F.Ritter) A.E.Hoffm. wfo--0000619716 | 58 |
| <i>Copiapoa cinerea</i> var. <i>dealbata</i> (F.Ritter) Backeb. wfo-- 0000619684..... | 58 | <i>Copiapoa decorticans</i> N.P.Taylor & G.J.Charles wfo-- 0000619719 | 58 |
| <i>Copiapoa cinerea</i> var. <i>eremophila</i> (F.Ritter) A.E.Hoffm. wfo--0000619687..... | 58 | <i>Copiapoa desertorum</i> F.Ritter wfo--0000619720 | 58 |
| <i>Copiapoa cinerea</i> var. <i>gigantea</i> (Backeb.) N.P.Taylor wfo-- 0000619689..... | 58 | <i>Copiapoa desertorum</i> var. <i>hornilloensis</i> (F.Ritter) A.E.Hoffm. wfo--0000619721 | 60 |
| <i>Copiapoa cinerea</i> var. <i>haseltoniana</i> (Backeb.) N.P.Taylor wfo--0000619691..... | 58 | <i>Copiapoa desertorum</i> var. <i>rubriflora</i> (F.Ritter) A.E.Hoffm. wfo--0001288659 | 60 |
| <i>Copiapoa cinerea</i> var. <i>krainziana</i> (F.Ritter) G.J.Charles wfo-- 0000619694 | 57 | <i>Copiapoa desertorum</i> var. <i>rupestris</i> (F.Ritter) A.E.Hoffm. wfo--0001288658 | 60 |
| <i>Copiapoa cinerea</i> var. <i>longistaminea</i> (F.Ritter) Slaba wfo-- 0000619695..... | 59 | <i>Copiapoa dura</i> F.Ritter wfo--0000619722 | 58 |
| <i>Copiapoa cinerea</i> var. <i>tenebrosa</i> (F.Ritter) A.E.Hoffm. wfo-- 0000619696 | 58 | <i>Copiapoa echinata</i> f. <i>pulla</i> F.Ritter wfo--0000619725 | 58 |
| <i>Copiapoa columna-alba</i> F.Ritter wfo--0000619698 | 57 | <i>Copiapoa echinata</i> F.Ritter wfo--0000619723 | 58 |
| <i>Copiapoa columna-alba</i> var. <i>nuda</i> F.Ritter wfo-- 0000619699..... | 57 | <i>Copiapoa echinata</i> var. <i>borealis</i> F.Ritter wfo--0001287235 | 58 |
| <i>Copiapoa conglomerata</i> (Phil.) Lembcke wfo--0000619700 | 57 | <i>Copiapoa echinata</i> var. <i>pulla</i> F.Ritter wfo--0000619724 | 58 |
| <i>Copiapoa copiapensis</i> (Pfeiff.) Meregalli wfo--0000619701 | 57 | <i>Copiapoa echinoides</i> (Lem. ex Salm-Dyck) Britton & Rose wfo--0000619726 | 58 |
| <i>Copiapoa coquimbana</i> (Karw. ex Rümpler) Britton & Rose wfo--0000619702 | 57 | <i>Copiapoa echinoides</i> var. <i>cuprea</i> (F.Ritter) A.E.Hoffm. wfo-- 0000619727 | 58 |
| <i>Copiapoa coquimbana</i> subsp. <i>andina</i> I.Schaub & Keim wfo-- 0001430503 | 57 | <i>Copiapoa eremophila</i> F.Ritter wfo--0000619728..... | 58 |
| <i>Copiapoa coquimbana</i> subsp. <i>coquimbana</i> wfo-- 0001434728..... | 57 | <i>Copiapoa esmeraldana</i> F.Ritter wfo--0000619730 | 58 |
| <i>Copiapoa coquimbana</i> subsp. <i>pendulina</i> (F.Ritter) Doweld wfo--0000619706..... | 57 | <i>Copiapoa ferox</i> Lembcke & Backeb. wfo--0000619731 | 60 |
| <i>Copiapoa coquimbana</i> subsp. <i>pseudocoquimbana</i> (F.Ritter) Doweld wfo--0000619709..... | 57 | <i>Copiapoa fiedleriana</i> (K.Schum.) Backeb. wfo-- 0000619732 | 58 |
| <i>Copiapoa coquimbana</i> subsp. <i>rubispina</i> Piombetti wfo-- 0001430504..... | 58 | <i>Copiapoa fusca</i> I.Schaub & Keim wfo--0001430507..... | 58 |
| <i>Copiapoa coquimbana</i> subsp. <i>vallenarensis</i> (F.Ritter) Doweld wfo--0000619711..... | 57 | <i>Copiapoa gigantea</i> Backeb. wfo--0000619733..... | 58 |
| <i>Copiapoa coquimbana</i> var. <i>alticostata</i> (F.Ritter) A.E.Hoffm. wfo--0000619703..... | 57 | <i>Copiapoa gigantea</i> subsp. <i>haseltoniana</i> (Backeb.) Doweld wfo--0000619735 | 58 |
| <i>Copiapoa coquimbana</i> var. <i>armata</i> F.Ritter wfo-- 0001430505..... | 56 | <i>Copiapoa gigantea</i> var. <i>haseltoniana</i> (Backeb.) F.Ritter wfo--0000619734 | 58 |
| <i>Copiapoa coquimbana</i> var. <i>coquimbana</i> wfo-- 0001287234..... | 57 | <i>Copiapoa grandiflora</i> F.Ritter wfo--0000619736..... | 58 |
| <i>Copiapoa coquimbana</i> var. <i>fiedleriana</i> (K.Schum.) A.E.Hoffm. wfo--0000619704..... | 58 | <i>Copiapoa grandiflora</i> subsp. <i>ritteri</i> Doweld wfo-- 0000619737 | 58 |
| <i>Copiapoa coquimbana</i> var. <i>pendulina</i> (F.Ritter) A.E.Hoffm. wfo--0000619705..... | 57 | <i>Copiapoa griseoviolacea</i> I.Schaub & Keim wfo-- 0000749086 | 58 |
| <i>Copiapoa coquimbana</i> var. <i>pseudocoquimbana</i> (F.Ritter) A.E.Hoffm. wfo--0000619708..... | 57 | <i>Copiapoa haseltoniana</i> Backeb. wfo--0000619738 | 58 |
| | | <i>Copiapoa hornilloensis</i> F.Ritter wfo--0000619739..... | 60 |
| | | <i>Copiapoa humilis</i> (Phil.) Hutch. wfo--0000619741 | 59 |
| | | <i>Copiapoa humilis</i> subsp. <i>australis</i> Hoxey wfo-- 0001430508 | 56 |
| | | <i>Copiapoa humilis</i> subsp. <i>humilis</i> wfo--0001434729..... | 59 |
| | | <i>Copiapoa humilis</i> subsp. <i>longispina</i> (F.Ritter) Doweld wfo-- 0000619744..... | 59 |
| | | <i>Copiapoa humilis</i> subsp. <i>matancillensis</i> I.Schaub & Keim wfo--0001430509 | 59 |
| | | <i>Copiapoa humilis</i> subsp. <i>taltalensis</i> (Werderm.) Doweld wfo--0000619745 | 60 |

| | | | |
|--|--------|--|----|
| <i>Copiapoa humilis</i> subsp. <i>tenuissima</i> (F.Ritter ex D.R.Hunt) D.R.Hunt wfo--0000619746 | 59 | <i>Copiapoa marginata</i> subsp. <i>robustispina</i> Doweld wfo--0001430516 | 59 |
| <i>Copiapoa humilis</i> subsp. <i>tocopillana</i> (F.Ritter) D.R.Hunt wfo--0000619750 | 59 | <i>Copiapoa marginata</i> var. <i>bridgesii</i> (Pfeiff.) A.E.Hoffm. wfo--0000619771 | 58 |
| <i>Copiapoa humilis</i> subsp. <i>tocopillana</i> (F.Ritter) Doweld wfo--0000619749 | 59 | <i>Copiapoa megarhiza</i> Britton & Rose wfo--0000619772 | 59 |
| <i>Copiapoa humilis</i> subsp. <i>variispinata</i> (F.Ritter) D.R.Hunt wfo--0000619751 | 59 | <i>Copiapoa megarhiza</i> subsp. <i>echinata</i> (F.Ritter) Doweld wfo--0000619774 | 58 |
| <i>Copiapoa humilis</i> var. <i>esmeraldana</i> (F.Ritter) A.E.Hoffm. wfo--0000619742 | 58 | <i>Copiapoa megarhiza</i> subsp. <i>echinata</i> (F.Ritter) G.J.Charles wfo--0000506880 | 58 |
| <i>Copiapoa humilis</i> var. <i>longispina</i> (F.Ritter) A.E.Hoffm. wfo--0000619743 | 59 | <i>Copiapoa megarhiza</i> subsp. <i>parvula</i> Mächler & Helmut Walter wfo--0001430517 | 59 |
| <i>Copiapoa humilis</i> var. <i>paposoensis</i> A.E.Hoffm. wfo--0001430510 | 59 | <i>Copiapoa megarhiza</i> var. <i>echinata</i> (F.Ritter) A.E.Hoffm. wfo--0000619773 | 58 |
| <i>Copiapoa humilis</i> var. <i>taltalensis</i> (Werderm.) A.E.Hoffm. wfo--0001430511 | 60 | <i>Copiapoa megarhiza</i> var. <i>microrhiza</i> F.Ritter wfo--0001430518 | 59 |
| <i>Copiapoa humilis</i> var. <i>tenuissima</i> (F.Ritter) G.J.Charles wfo--0001430512 | 59 | <i>Copiapoa melanostrix</i> F.Ritter wfo--0000619776 | 57 |
| <i>Copiapoa humilis</i> var. <i>tocopillana</i> (F.Ritter) G.J.Charles wfo--0000619748 | 59 | <i>Copiapoa mollicula</i> F.Ritter wfo--0000619777 | 59 |
| <i>Copiapoa humilis</i> var. <i>variispinata</i> (F.Ritter) G.Charles wfo--0001430513 | 59 | <i>Copiapoa montana</i> F.Ritter ex Doweld wfo--0000619779 | 59 |
| <i>Copiapoa hypogaea</i> F.Ritter wfo--0000619752 | 59 | <i>Copiapoa montana</i> F.Ritter wfo--0000619778 | 59 |
| <i>Copiapoa hypogaea</i> subsp. <i>cobrensis</i> Doweld wfo--0001430514 | 59 | <i>Copiapoa montana</i> subsp. <i>grandiflora</i> (F.Ritter) N.P.Taylor wfo--0000619780 | 58 |
| <i>Copiapoa hypogaea</i> subsp. <i>hypogaea</i> wfo--0001434730 | 59 | <i>Copiapoa montana</i> subsp. <i>olivana</i> (F.Ritter) Doweld wfo--0000619781 | 59 |
| <i>Copiapoa hypogaea</i> subsp. <i>laui</i> (Diers) G.J.Charles wfo--0000506878 | 59 | <i>Copiapoa neoconoquimbana</i> var. <i>wagenknechtii</i> (F.Ritter) Y.Itô wfo--0000619783 | 57 |
| <i>Copiapoa hypogaea</i> subsp. <i>tenuissima</i> F.Ritter ex D.R.Hunt wfo--0000619757 | 59 | <i>Copiapoa neoconoquimbana</i> Y.Itô wfo--0000619782 | 57 |
| <i>Copiapoa hypogaea</i> var. <i>barquitenensis</i> F.Ritter wfo--0000619753 | 59 | <i>Copiapoa olivana</i> F.Ritter wfo--0000619784 | 59 |
| <i>Copiapoa hypogaea</i> var. <i>laui</i> (Diers) A.E.Hoffm. wfo--0000619754 | 59 | <i>Copiapoa paposoensis</i> F.Ritter wfo--0000619785 | 59 |
| <i>Copiapoa hypogaea</i> var. <i>montana</i> (F.Ritter) G.J.Charles wfo--0000619755 | 59 | <i>Copiapoa pendulina</i> F.Ritter wfo--0000619787 | 57 |
| <i>Copiapoa intermedia</i> F.Ritter wfo--0001287237 | 58 | <i>Copiapoa pepiniana</i> (Lem. ex Salm-Dyck) Backeb. wfo--0000619788 | 57 |
| <i>Copiapoa intricata</i> Merregalli wfo--0000619758 | 413 | <i>Copiapoa pepiniana</i> var. <i>fiedleriana</i> (K.Schum.) Backeb. wfo--0000619789 | 58 |
| <i>Copiapoa knizei</i> (Říha) Halda wfo--0000619759 | 382 | <i>Copiapoa pseudoconoquimbana</i> F.Ritter wfo--0000619790 | 57 |
| <i>Copiapoa krainziana</i> F.Ritter wfo--0000619760 | 57 | <i>Copiapoa pseudoconoquimbana</i> var. <i>chaniarensis</i> F.Ritter wfo--0000619791 | 57 |
| <i>Copiapoa krainziana</i> var. <i>scopolina</i> F.Ritter wfo--0000619761 | 57 | <i>Copiapoa pseudoconoquimbana</i> var. <i>domeykoensis</i> F.Ritter wfo--0000619792 | 57 |
| <i>Copiapoa laui</i> Diers wfo--0000619762 | 59 | <i>Copiapoa pseudoconoquimbana</i> var. <i>vulgata</i> F.Ritter wfo--0000619793 | 57 |
| <i>Copiapoa lembckeii</i> Backeb. wfo--0000619763 | 57 | <i>Copiapoa rarissima</i> F.Ritter wfo--0000619794 | 59 |
| <i>Copiapoa leonensis</i> I.Schaub & Keim wfo--0000506879 | 59 | <i>Copiapoa rubriflora</i> F.Ritter wfo--0000619795 | 60 |
| <i>Copiapoa longispina</i> F.Ritter wfo--0000619764 | 59 | <i>Copiapoa rupestris</i> F.Ritter wfo--0000619796 | 60 |
| <i>Copiapoa longistaminea</i> F.Ritter wfo--0000619765 | 59 | <i>Copiapoa rupestris</i> subsp. <i>desertorum</i> (F.Ritter) D.R.Hunt wfo--0000619798 | 58 |
| <i>Copiapoa longistaminea</i> subsp. <i>imperialis</i> Piombetti wfo--0001430515 | 59 | <i>Copiapoa rupestris</i> subsp. <i>hornilloensis</i> (F.Ritter) Doweld wfo--0000619799 | 60 |
| <i>Copiapoa longistaminea</i> subsp. <i>longistaminea</i> wfo--0001434731 | 59 | <i>Copiapoa rupestris</i> subsp. <i>rubriflora</i> (F.Ritter) Doweld wfo--0000619800 | 60 |
| <i>Copiapoa macracantha</i> (Salm-Dyck) Merregalli wfo--0000619766 | 87 | <i>Copiapoa sarcoana</i> I.Schaub & Keim wfo--0001430519 | 57 |
| <i>Copiapoa magnimamma</i> F.Ritter & Y.Itô wfo--0000619768 | 413 | <i>Copiapoa schulziana</i> I.Schaub & Keim wfo--0000743605 | 57 |
| <i>Copiapoa malletiana</i> (Lem. ex Salm-Dyck) Backeb. wfo--0000619769 | 400 | <i>Copiapoa serenana</i> Voldan wfo--0000619802 | 57 |
| <i>Copiapoa marginata</i> (Salm-Dyck) Britton & Rose wfo--0000619770 | 56, 59 | <i>Copiapoa serpentisulcata</i> F.Ritter wfo--0000619803 | 60 |
| <i>Copiapoa marginata</i> subsp. <i>marginata</i> wfo--0001434732 | 59 | <i>Copiapoa serpentisulcata</i> var. <i>castanea</i> F.Ritter wfo--0000619804 | 60 |
| | | <i>Copiapoa serpentisulcata</i> var. <i>serpentisulcata</i> wfo--0001287238 | 60 |
| | | <i>Copiapoa solaris</i> (F.Ritter) F.Ritter wfo--0000619805 | 60 |
| | | <i>Copiapoa streptocaulon</i> (Hook.) Oosten wfo--0000619806 | 59 |

| | | | | |
|---|---|---|-----------------------|----------|
| <i>Copiapoa superba</i> I.Schaub & Keim wfo--0001430520 ... | 59 | <i>Corryocactus melanotrichus</i> var. <i>caulescens</i> Cárdenas wfo-- | 0000621914 | 61 |
| <i>Copiapoa taltalensis</i> (Werderm.) Looser wfo--0000619807 | 60 | <i>Corryocactus odoratus</i> F.Ritter wfo--0000621915 | 61 | |
| <i>Copiapoa taltalensis</i> subsp. <i>desertorum</i> (F.Ritter) | | <i>Corryocactus otuyensis</i> Cárdenas wfo--0000621916 | 61 | |
| G.J.Charles wfo--0000619809 | 58 | <i>Corryocactus pachycladus</i> Rauh & Backeb. wfo-- | 0000621917 | 61 |
| <i>Copiapoa taltalensis</i> subsp. <i>taltalensis</i> wfo--0001434733 | 60 | <i>Corryocactus perezianus</i> Cárdenas wfo--0000621919 | 61 | |
| <i>Copiapoa tenebrosa</i> F.Ritter wfo--0000619810 | 58 | <i>Corryocactus pilispinus</i> F.Ritter wfo--0000621920 | 60 | |
| <i>Copiapoa tenuissima</i> F.Ritter wfo--0000619811 | 59 | <i>Corryocactus prostratus</i> F.Ritter wfo--0000621921 | 400 | |
| <i>Copiapoa tocopillana</i> F.Ritter wfo--0000619812 | 59 | <i>Corryocactus pulquinensis</i> Cárdenas wfo--0000621922 | 61 | |
| <i>Copiapoa totoralensis</i> F.Ritter wfo--0000619813 | 58 | <i>Corryocactus puquiensis</i> Rauh & Backeb. wfo-- | 0000621923 | 61 |
| <i>Copiapoa vallenarensis</i> F.Ritter wfo--0000619814 | 57 | <i>Corryocactus pyroporphyranthus</i> F.Ritter wfo-- | 0000621924 | 61 |
| <i>Copiapoa variispinata</i> F.Ritter wfo--0000619815 | 59 | <i>Corryocactus quadrangularis</i> (Rauh & Backeb.) F.Ritter | wfo--0000621925 | 413 |
| <i>Copiapoa wagenknechtii</i> H.Winter ex F.Ritter wfo-- | 0001288657 | <i>Corryocactus quivillanus</i> F.Ritter wfo--0000621926 | 61 | |
| 0001288657 | 57 | <i>Corryocactus serpens</i> F.Ritter wfo--0000621927 | 61 | |
| <i>Corryocactus acervatus</i> F.Ritter wfo--0000621885 | 60 | <i>Corryocactus solitarius</i> F.Ritter wfo--0000621928 | 60 | |
| <i>Corryocactus apiciflorus</i> (Vaupel) Hutchison wfo-- | 0000621886 | <i>Corryocactus spiniflorus</i> (Phil.) Hutchison wfo-- | 0000621930 | 16 |
| 0000621886 | 60 | <i>Corryocactus squarrosus</i> (Vaupel) Hutchison wfo-- | 0000621931 | 61 |
| <i>Corryocactus aureus</i> (Meyen) Hutchison wfo-- | 0000621887 | <i>Corryocactus tarijensis</i> Cárdenas wfo--0000621932 | 61 | |
| 0000621887 | 60 | <i>Corryocactus tenuiculus</i> (Backeb.) Hutchison wfo-- | 0000621933 | 60 |
| <i>Corryocactus ayacuchoensis</i> Rauh & Backeb. wfo-- | 0000621888 | <i>Corryocereus</i> Frič & Kreuz. wfo--4000042661 | 60 | |
| 0000621888 | 60 | <i>Corynopuntia aggeria</i> (Ralston & Hilsenb.) M.P.Griff. wfo-- | 0000623146 | 147 |
| <i>Corryocactus ayacuchoensis</i> var. <i>leucacanthus</i> Rauh & | Backeb. wfo--0000621889 | <i>Corynopuntia agglomerata</i> (A.Berger) F.M.Knuth wfo-- | 0000623147 | 147 |
| Backeb. wfo--0000621889 | 60 | <i>Corynopuntia bulbispina</i> (Engelm.) F.M.Knuth wfo-- | 0000623148 | 147 |
| <i>Corryocactus ayopayanus</i> Cárdenas wfo--0000621890 | 61 | <i>Corynopuntia bulbispina</i> subsp. <i>basileocephala</i> D.Donati | wfo--0001430523 | 148 |
| <i>Corryocactus brachycladus</i> F.Ritter wfo--0000621891 | 60 | <i>Corynopuntia clavata</i> (Engelm.) F.M.Knuth wfo-- | 0000623149 | 147, 148 |
| <i>Corryocactus brachypetalus</i> (Vaupel) Britton & Rose wfo-- | 0000621892 | <i>Corynopuntia deinacantha</i> D.Donati wfo--0001430524 | 148 | |
| 0000621892 | 60 | <i>Corynopuntia densispina</i> (Ralston & Hilsenb.) Fensterm. | wfo--0001430525 | 148 |
| <i>Corryocactus brevispinus</i> Rauh & Backeb. wfo-- | 0000621893 | <i>Corynopuntia dumetorum</i> (A.Berger) F.M.Knuth wfo-- | 0000623151 | 271 |
| 0000621893 | 60 | <i>Corynopuntia emoryi</i> (Engelm.) M.P.Griff. wfo-- | 0000623152 | 148 |
| <i>Corryocactus brevistylus</i> (K.Schum. ex Vaupel) Britton & | Rose wfo--0000621894 | <i>Corynopuntia</i> F.M.Knuth wfo--4000009410 | 147 | |
| Rose wfo--0000621894 | 60 | <i>Corynopuntia grahamii</i> (Engelm.) F.M.Knuth wfo-- | 0000623153 | 148 |
| <i>Corryocactus brevistylus</i> subsp. <i>puquiensis</i> (Rauh & | Backeb.) Ostolaza wfo--0000621897 | <i>Corynopuntia guccinii</i> D.Donati wfo--0000748887 | 148 | |
| Backeb.) Ostolaza wfo--0000621897 | 61 | <i>Corynopuntia halophila</i> D.Donati wfo--0001430526 | 148 | |
| <i>Corryocactus brevistylus</i> var. <i>puquiensis</i> (Rauh & Backeb.) | F.Ritter wfo--0000621896 | <i>Corynopuntia invicta</i> (K.Brandege) F.M.Knuth wfo-- | 0000623154 | 148 |
| F.Ritter wfo--0000621896 | 61 | <i>Corynopuntia kunzei</i> (Rose) M.P.Griff. wfo--0000623155 | ..... | 148 |
| <i>Corryocactus brittoni</i> Britton & Rose wfo--4000009370 | 60 | <i>Corynopuntia marenae</i> (S.H.Parsons) M.P.Griff. wfo-- | 0000623156 | 148 |
| <i>Corryocactus chachapoyensis</i> (Ochoa & Backeb.) Ochoa & | Backeb. ex D.R.Hunt wfo--0000621898 | <i>Corynopuntia moelleri</i> (A.Berger) F.M.Knuth wfo-- | 0000623157 | 148 |
| Backeb. ex D.R.Hunt wfo--0000621898 | 61 | <i>Corynopuntia nigrispina</i> D.Donati wfo--0001430527 ... | 413 | |
| <i>Corryocactus chachapoyensis</i> Ochoa & Backeb. wfo-- | 0001289187 | <i>Corynopuntia parishii</i> (Orcutt) F.M.Knuth wfo-- | 0000623158 | 149 |
| 0001289187 | 61 | <i>Corynopuntia parishiorum</i> (Orcutt) F.M.Knuth wfo-- | 0001430528 | 149 |
| <i>Corryocactus charazanensis</i> Cárdenas wfo--000062189961 | | | | |
| <i>Corryocactus chavinilloensis</i> F.Ritter wfo--0000621900 | 61 | | | |
| <i>Corryocactus cuajonesensis</i> F.Ritter wfo--0000621901 | 60 | | | |
| <i>Corryocactus dillonii</i> A.Pauca & Quip. wfo--0001430521 | 61 | | | |
| <i>Corryocactus erectus</i> (Backeb.) F.Ritter wfo--0000621902 | ..... |  |  |  |
| ..... | 61 | | | |
| <i>Corryocactus erici-marae</i> Cieza wfo--0001430522 | 60 | | | |
| <i>Corryocactus gracilis</i> F.Ritter wfo--0000621903 | 61 | | | |
| <i>Corryocactus heteracanthus</i> Backeb. wfo--0000621904 | 46 | | | |
| <i>Corryocactus huincoensis</i> F.Ritter wfo--0000621905 | 60 | | | |
| <i>Corryocactus krausii</i> Backeb. wfo--0000621908 | 60 | | | |
| <i>Corryocactus matucanensis</i> F.Ritter wfo--0000621909 | 60 | | | |
| <i>Corryocactus maximus</i> (Backeb.) Hutchison wfo-- | 0000621910 | | | |
| 0000621910 | 61 | | | |
| <i>Corryocactus megarhizus</i> F.Ritter wfo--0000621911 | 60 | | | |
| <i>Corryocactus melaleucus</i> F.Ritter wfo--0000621912 | 60 | | | |
| <i>Corryocactus melanotrichus</i> (K.Schum.) Britton & Rose | wfo--0000621913 | | | |
| wfo--0000621913 | 61 | | | |
| <i>Corryocactus melanotrichus</i> subsp. <i>tarijensis</i> (Cárdenas) | R.Kiesling wfo--0001284697 | | | |
| R.Kiesling wfo--0001284697 | 61 | | | |

| | |
|--|--|
| <i>Corynopuntia planibulbispina</i> Backeb. wfo--0000623159 148 | <i>Coryphantha chihuahuensis</i> (Britton & Rose) A.Berger wfo-- --0000623214 129 |
| <i>Corynopuntia pulchella</i> (Engelm.) F.M.Knuth wfo-- 0000623160 252 | <i>Coryphantha chlorantha</i> (Engelm.) Britton & Rose wfo-- 0000623215 129 |
| <i>Corynopuntia reflexispina</i> (Wiggins & Rollins) Backeb. wfo-- --0000623162 149 | <i>Coryphantha chlorantha</i> var. <i>deserti</i> (Engelm.) Backeb. wfo--0000623216 132 |
| <i>Corynopuntia robertsii</i> (Rebman) Bulot & Solichon wfo-- 0000746233 149 | <i>Coryphantha clava</i> (Pfeiff.) Lem. wfo--0000623217 65 |
| <i>Corynopuntia schottii</i> (Engelm.) F.M.Knuth wfo-- 0000623163 149 | <i>Coryphantha clava</i> var. <i>schlechtendalii</i> (Poselg.) Heinrich ex Backeb. wfo--0000623218 65 |
| <i>Corynopuntia stanlyi</i> (Engelm.) F.M.Knuth wfo-- 0000623164 148 | <i>Coryphantha clavata</i> (Scheidw.) Backeb. wfo-- 0000623219 61 |
| <i>Corynopuntia stanlyi</i> var. <i>kunzei</i> (Rose) Backeb. wfo-- 0000623165 148 | <i>Coryphantha clavata</i> subsp. <i>clavata</i> wfo--0001286241 62 |
| <i>Corynopuntia stanlyi</i> var. <i>parishii</i> (Orcutt) Backeb. wfo-- 0000623166 149 | <i>Coryphantha clavata</i> subsp. <i>stipitata</i> (Scheidw.) Dicht & A.Lüthy wfo--0000623222 62 |
| <i>Corynopuntia stanlyi</i> var. <i>wrightiana</i> (E.M.Baxter) Backeb. wfo--0000623167 149 | <i>Coryphantha clavata</i> var. <i>ancistracantha</i> (Lem.) Heinrich ex Backeb. wfo--0000623220 62 |
| <i>Corynopuntia vilis</i> (Rose) F.M.Knuth wfo--0000623168 149 | <i>Coryphantha clavata</i> var. <i>radicantissima</i> (Quehl) Heinrich ex Backeb. wfo--0000623221 62 |
| <i>Corynopuntia vilis</i> var. <i>bernhardinii</i> Backeb. wfo-- 0000623169 149 | <i>Coryphantha columnaris</i> Lahman wfo--0000623225 133 |
| <i>Coryphantha</i> (Engelm.) Lem. wfo--4000009420 61 | <i>Coryphantha compacta</i> (Engelm.) Britton & Rose wfo-- 0001288380 62 |
| <i>Coryphantha acanthostephes</i> Lem. wfo--0000623187 ... 67 | <i>Coryphantha compacta</i> (Engelm.) Orcutt wfo-- 0000623226 62 |
| <i>Coryphantha aggregata</i> (Engelm.) Britton & Rose wfo-- 0000623188 132 | <i>Coryphantha conimamma</i> (Linke) A.Berger wfo-- 0000623227 67 |
| <i>Coryphantha albicolumnaria</i> (Hester) Zimmerman wfo-- 0000623189 131 | <i>Coryphantha connivens</i> Britton & Rose wfo--0000623228 67 |
| <i>Coryphantha alversonii</i> (J.M.Coult.) Orcutt wfo-- 0000623191 128 | <i>Coryphantha conoidea</i> (DC.) Orcutt wfo--0000623229 .. 50 |
| <i>Coryphantha alversonii</i> var. <i>exaltissima</i> Wiegand & Backeb. wfo--0000623192 133 | <i>Coryphantha conspicua</i> Lem. wfo--0000623230 400 |
| <i>Coryphantha ancistracantha</i> Lem. wfo--0000623193 62 | <i>Coryphantha cornifera</i> (DC.) Lem. wfo--0000623231 62 |
| <i>Coryphantha andreae</i> (J.A.Purpus & Boed.) A.Berger wfo-- 0000623194 67 | <i>Coryphantha cornifera</i> var. <i>echinus</i> (Engelm.) L.D.Benson wfo--0000623232 63 |
| <i>Coryphantha arizonica</i> (Engelm.) Britton & Rose wfo-- 0000623195 132 | <i>Coryphantha cornifera</i> var. <i>scolymoides</i> (Scheidw.) Borg wfo--0000623233 62 |
| <i>Coryphantha asperispina</i> Boed. wfo--0000623196 131 | <i>Coryphantha cornuta</i> (Hildm.) A.Berger wfo--0000623234 63 |
| <i>Coryphantha asterias</i> (Cels) Hübner wfo--0000623197 .. 66 | <i>Coryphantha cubensis</i> Britton & Rose wfo--0000623236 129 |
| <i>Coryphantha aulacothele</i> (Lem.) Lem. wfo--000062319865 | <i>Coryphantha cuencamensis</i> L.Bremer wfo--0000623237 63 |
| <i>Coryphantha bella</i> (Britton & Rose) Fosberg wfo-- 0000623199 129 | <i>Coryphantha daemenoceras</i> var. <i>jaumavei</i> Frič wfo-- 0000623238 63 |
| <i>Coryphantha bergeriana</i> Boed. wfo--0000623200 64 | <i>Coryphantha daimonoceras</i> (Lem.) A.Berger wfo-- 0000623239 63 |
| <i>Coryphantha bernalensis</i> L.Bremer wfo--0000623202 63 | <i>Coryphantha daimonoceras</i> Lem. wfo--0001288381 63 |
| <i>Coryphantha bisbeeana</i> Orcutt wfo--0000623203 133 | <i>Coryphantha dasyacantha</i> (Engelm.) Orcutt wfo-- 0000623240 129 |
| <i>Coryphantha borwigii</i> (J.A.Purpus) A.Berger wfo-- 0000623204 68 | <i>Coryphantha dasyacantha</i> var. <i>varicolor</i> (Tiegel) L.D.Benson wfo--0000623241 132 |
| <i>Coryphantha brevimamma</i> (Zucc. ex Pfeiff.) Lem. ex C.F.Först. wfo--0000623205 64 | <i>Coryphantha delaetiana</i> (Quehl) A.Berger wfo-- 0000623242 63 |
| <i>Coryphantha bumamma</i> (Ehrens.) Britton & Rose wfo-- 0000623206 64 | <i>Coryphantha delicata</i> L.Bremer wfo--0000623243 63 |
| <i>Coryphantha bussleri</i> (Mundt) Scheinvar wfo-- 0000623207 66 | <i>Coryphantha densispina</i> Werderm. wfo--0000623244 ... 63 |
| <i>Coryphantha calcarata</i> (Engelm.) Lem. wfo--0000623208 68 | <i>Coryphantha deserti</i> (Engelm.) Britton & Rose wfo-- 0000623245 132 |
| <i>Coryphantha calipensis</i> Bravo ex S.Arias, Gama & U.Guzmán wfo--0000623209 66 | <i>Coryphantha difficilis</i> (Quehl) Orcutt wfo--0000623247 63 |
| <i>Coryphantha calochlora</i> Boed. wfo--0000623210 65 | <i>Coryphantha duncanii</i> (Hester) L.D.Benson wfo-- 0000623248 129 |
| <i>Coryphantha ceratites</i> (Quehl) A.Berger wfo--0000623211 50 | <i>Coryphantha durangensis</i> (Runge ex K.Schum.) Britton & Rose wfo--0000623249 63 |
| <i>Coryphantha chaffeyi</i> (Britton & Rose) Fosberg wfo-- 0000623213 129 | <i>Coryphantha durangensis</i> subsp. <i>cuencamensis</i> (L.Bremer) Dicht & A.Lüthy wfo--0000623250 63 |

| | | | |
|--|-----|---|-----|
| <i>Coryphantha durangensis</i> subsp. <i>durangensis</i> wfo-- 0001286250..... | 63 | <i>Coryphantha indensis</i> L.Bremer wfo--0000623284 | 67 |
| <i>Coryphantha echinoidea</i> (Quehl) Britton & Rose wfo-- 0000623251..... | 63 | <i>Coryphantha jalpanensis</i> Buchenau wfo--0000623285 .. | 64 |
| <i>Coryphantha echinus</i> (Engelm.) Britton & Rose wfo-- 0001288385..... | 63 | <i>Coryphantha jaumavei</i> (Frič) Frič wfo--0000623286 | 63 |
| <i>Coryphantha echinus</i> (Engelm.) Orcutt wfo--0000623252 | 63 | <i>Coryphantha kieferiana</i> (Boed.) A.Berger wfo-- 0000623287 | 66 |
| <i>Coryphantha echinus</i> var. <i>robusta</i> A.M.Powell wfo-- 0000623253..... | 63 | <i>Coryphantha kracikii</i> Halda, Chalupa & Kupčák wfo-- 0000623288 | 64 |
| <i>Coryphantha elephantidens</i> (Lem.) Lem. wfo--0000623254 | 63 | <i>Coryphantha laredoi</i> Glass & R.A.Foster wfo--0000623290 | 130 |
| <i>Coryphantha elephantidens</i> subsp. <i>bumamma</i> (Ehrenb.) Dicht & A.Lüthy wfo--0000623256..... | 64 | <i>Coryphantha laui</i> L.Bremer wfo--0000623291 | 67 |
| <i>Coryphantha elephantidens</i> subsp. <i>elephantidens</i> wfo-- 0001286266..... | 64 | <i>Coryphantha lehmannii</i> Lem. wfo--0000623292 | 66 |
| <i>Coryphantha elephantidens</i> subsp. <i>greenwoodii</i> (Bravo) Dicht & A.Lüthy wfo--0000623258..... | 64 | <i>Coryphantha lloydii</i> (Britton & Rose) Fosberg wfo-- 0000623293 | 130 |
| <i>Coryphantha elephantidens</i> var. <i>barciae</i> L.Bremer wfo-- 0000623255..... | 64 | <i>Coryphantha longicornis</i> Boed. wfo--0000623294 | 64 |
| <i>Coryphantha emskoetteriana</i> (Quehl) A.Berger wfo-- 0000623259..... | 129 | <i>Coryphantha loricata</i> Lem. wfo--0000623295 | 66 |
| <i>Coryphantha engelmannii</i> Lem. wfo--0000623260..... | 67 | <i>Coryphantha macromeris</i> (Engelm.) Britton & Rose wfo-- 0000623296 | 141 |
| <i>Coryphantha erecta</i> (Lem. ex Pfeiff.) Lem. wfo-- 0000623261..... | 64 | <i>Coryphantha macromeris</i> (Engelm.) Lem. wfo-- 0001287085 | 64 |
| <i>Coryphantha exsudans</i> (Zucc. ex Pfeiff.) Lem. ex C.F.Först. wfo--0000623262..... | 65 | <i>Coryphantha macromeris</i> subsp. <i>macromeris</i> wfo-- 0001255755 | 65 |
| <i>Coryphantha exsudans</i> (Zucc.) Lem. ex Britton & Rose wfo-- 0001288387 | 65 | <i>Coryphantha macromeris</i> subsp. <i>runyonii</i> (Britton & Rose) N.P.Taylor wfo--0000623298 | 65 |
| <i>Coryphantha fragrans</i> Hester wfo--0000623263 | 133 | <i>Coryphantha macromeris</i> var. <i>runyonii</i> (Britton & Rose) L.D.Benson wfo--0000623297 | 65 |
| <i>Coryphantha gaessii</i> L.Bremer wfo--0000623264..... | 64 | <i>Coryphantha macrothele</i> (Mart. ex Pfeiff.) Kümmler wfo-- 0000623299 | 65 |
| <i>Coryphantha georgii</i> Boed. wfo--0000623265 | 64 | <i>Coryphantha maiz-tablasensis</i> Fritz Schwarz ex Backeb. wfo--0000623301 | 65 |
| <i>Coryphantha gladiispina</i> (Boed.) A.Berger wfo-- 0000623266..... | 63 | <i>Coryphantha maliterrarum</i> L.Bremer wfo--0000623302 | 63 |
| <i>Coryphantha glanduligera</i> (Otto & A.Dietr.) Lem. wfo-- 0000623267..... | 64 | <i>Coryphantha marstonii</i> Clover wfo--0000623303..... | 130 |
| <i>Coryphantha glassii</i> Dicht & A.Lüthy wfo--0000623269..... | 64 | <i>Coryphantha melleospina</i> Bravo wfo--0000623304 | 67 |
| <i>Coryphantha gracilis</i> Bremer & A.B.Lau wfo--0000623270 | 64 | <i>Coryphantha minima</i> Baird wfo--0000623305 | 130 |
| <i>Coryphantha grahamii</i> (Engelm.) Rydb. wfo--0000623271 | 51 | <i>Coryphantha missouriensis</i> (Sweet) Britton & Rose wfo-- 0000623306 | 130 |
| <i>Coryphantha grandiflora</i> (Otto) A.Berger wfo-- 0000623272..... | 50 | <i>Coryphantha missouriensis</i> var. <i>caespitosa</i> (Engelm.) L.D.Benson wfo--0000623307 | 130 |
| <i>Coryphantha grandis</i> L.Bremer wfo--0000623273..... | 64 | <i>Coryphantha missouriensis</i> var. <i>marstonii</i> (Clover) L.D.Benson wfo--0000623308..... | 130 |
| <i>Coryphantha grata</i> L.Bremer wfo--0000623274 | 64 | <i>Coryphantha missouriensis</i> var. <i>robustior</i> (Engelm.) L.D.Benson wfo--0000623309..... | 130 |
| <i>Coryphantha greenwoodii</i> Bravo wfo--0000623275 | 64 | <i>Coryphantha muehlbaueriana</i> Boed. wfo--0000623310129 | |
| <i>Coryphantha guerkeana</i> (Boed.) Britton & Rose wfo-- 0000623276..... | 66 | <i>Coryphantha muehlenpfordtii</i> (Poselg.) Britton & Rose wfo-- 0000623312..... | 68 |
| <i>Coryphantha henricksonii</i> (Glass & R.A.Foster) Glass & R.A.Foster wfo--0000623277 | 129 | <i>Coryphantha muehlenpfordtii</i> subsp. <i>robustispina</i> (Schott ex Engelm.) Dicht wfo--0000623314..... | 67 |
| <i>Coryphantha hesteri</i> Y.Wright wfo--0000623278..... | 130 | <i>Coryphantha muehlenpfordtii</i> subsp. <i>uncinata</i> (L.D.Benson) Dicht wfo--0000623315 | 68 |
| <i>Coryphantha heteromorpha</i> Lem. wfo--0001288389..... | 64 | <i>Coryphantha muehlenpfordtii</i> var. <i>robustispina</i> (Schott ex Engelm.) W.T.Marshall wfo--0000623313 | 67 |
| <i>Coryphantha heterophylla</i> Lem. wfo--0000623280 | 64 | <i>Coryphantha neglecta</i> L.Bremer wfo--0000623316..... | 65 |
| <i>Coryphantha hintoniorum</i> Dicht & A.Lüthy wfo-- 0000623281..... | 64 | <i>Coryphantha nellieae</i> Croizat wfo--0000623317 | 130 |
| <i>Coryphantha hintoniorum</i> subsp. <i>geoffreyi</i> Dicht & A.Lüthy wfo--0001430529..... | 64 | <i>Coryphantha neomexicana</i> (Engelm.) Britton & Rose wfo-- 0000623318 | 132 |
| <i>Coryphantha hintoniorum</i> subsp. <i>hintoniorum</i> wfo-- 0001286317..... | 64 | <i>Coryphantha neoscheeri</i> Backeb. wfo--0000623319 | 68 |
| <i>Coryphantha hookeri</i> Lem. wfo--0000623282..... | 400 | <i>Coryphantha neovivipara</i> var. <i>aggregata</i> (Engelm.) Y.Itô wfo--0000623321 | 132 |
| <i>Coryphantha impexicoma</i> Lem. ex C.F.Först. wfo-- 0000623283..... | 62 | <i>Coryphantha neovivipara</i> var. <i>arizonica</i> (Engelm.) Y.Itô wfo--0000623323 | 132 |
| | | <i>Coryphantha neovivipara</i> var. <i>neomexicana</i> (Engelm.) Y.Itô wfo--0000623324 | 132 |

| | | | |
|---|-----|---|-----|
| <i>Coryphantha neovivipara</i> var. <i>radiosa</i> (Engelm.) Y.Itô wfo--0000623325 | 132 | <i>Coryphantha pycnanantha</i> (Mart.) Lem. wfo--0000623360 | 67 |
| <i>Coryphantha neovivipara</i> Y.Itô wfo--0000623320 | 132 | <i>Coryphantha pycnanantha</i> subsp. <i>sniceri</i> (Halda, Kupčák & Sladk.) Halda, Kupčák & Sladk. wfo--0000623362 | 403 |
| <i>Coryphantha nickelsiae</i> (K.Brandege) Britton & Rose wfo--0000623326 | 65 | <i>Coryphantha pycnanantha</i> var. <i>calipensis</i> U.Guzmán wfo--0000623361 | 66 |
| <i>Coryphantha nivosa</i> (Link ex Pfeiff.) Britton wfo--0000623327 | 223 | <i>Coryphantha radians</i> (DC.) Britton & Rose wfo--0000623363 | 62 |
| <i>Coryphantha nuttallii</i> Engelm. ex C.F.Först. wfo--0000623328 | 130 | <i>Coryphantha radians</i> var. <i>echinus</i> (Engelm.) Y.Itô wfo--0000623364 | 63 |
| <i>Coryphantha obscura</i> Boed. wfo--0000623329 | 68 | <i>Coryphantha radians</i> var. <i>impexicoma</i> (Lem. ex C.F.Först.) Backeb. & F.M.Knuth wfo--0000623366 | 63 |
| <i>Coryphantha octacantha</i> (DC.) Britton & Rose wfo--0000623330 | 65 | <i>Coryphantha radians</i> var. <i>pectinata</i> (Engelm.) Borg wfo--0000623367 | 63 |
| <i>Coryphantha odorata</i> Boed. wfo--0000623331 | 69 | <i>Coryphantha radians</i> var. <i>pectinoides</i> (J.M.Coult.) Bravo wfo--0000623368 | 63 |
| <i>Coryphantha oklahomensis</i> Lahman wfo--0000623332 | 133 | <i>Coryphantha radians</i> var. <i>pseudoradians</i> (Bravo) Bravo wfo--0000623369 | 66 |
| <i>Coryphantha orcuttii</i> (Rose ex Orcutt) Zimmerman wfo--0000623334 | 131 | <i>Coryphantha radians</i> var. <i>sulcata</i> (Engelm.) Y.Itô wfo--0000623370 | 68 |
| <i>Coryphantha organensis</i> Zimmerman wfo--0000623335 | 131 | <i>Coryphantha radiosa</i> (Engelm.) Rydb. wfo--0000623371 | 132 |
| <i>Coryphantha ottonianus</i> (Poselg.) Y.Itô wfo--0000623336 | 66 | <i>Coryphantha ramillosa</i> Cutak wfo--0000623372 | 67 |
| <i>Coryphantha ottonis</i> (Pfeiff.) Lem. wfo--0000623337 | 66 | <i>Coryphantha ramillosa</i> subsp. <i>ramillosa</i> wfo--0001286415 | 67 |
| <i>Coryphantha pallida</i> Britton & Rose wfo--0000623338 .. | 66 | <i>Coryphantha ramillosa</i> subsp. <i>santarosa</i> Dicht & A.Lüthy wfo--0001430531 | 67 |
| <i>Coryphantha pallida</i> subsp. <i>calipensis</i> (Bravo ex S.Arias, Gama & U.Guzmán) Dicht & A.Lüthy wfo--0000623339 | 66 | <i>Coryphantha raphidacantha</i> (Lem.) Lem. wfo--0000623373 | 62 |
| <i>Coryphantha pallida</i> subsp. <i>pallida</i> wfo--0001286400 .. | 66 | <i>Coryphantha raphidacantha</i> var. <i>ancistracantha</i> (Lem.) Y.Itô wfo--0000623374 | 62 |
| <i>Coryphantha pallida</i> subsp. <i>pseudoradians</i> (Bravo) U.Guzmán & Vázq.-Ben. wfo--0000623340 | 66 | <i>Coryphantha recurvata</i> (Engelm.) Britton & Rose wfo--0000623376 | 67 |
| <i>Coryphantha palmeri</i> Britton & Rose wfo--0000623341 .. | 62 | <i>Coryphantha recurvata</i> subsp. <i>canatlanensis</i> Dicht & A.Lüthy wfo--0001430532 | 67 |
| <i>Coryphantha panarottoi</i> Halda & Horáček wfo--0000623342 | 63 | <i>Coryphantha recurvata</i> subsp. <i>recurvata</i> wfo--0001286426 | 67 |
| <i>Coryphantha pectinata</i> (Engelm.) Britton & Rose wfo--0000623343 | 63 | <i>Coryphantha recurvispina</i> (de Vriese) L.Bremer wfo--0000623377 | 64 |
| <i>Coryphantha piercei</i> Fosberg wfo--0000623345 | 413 | <i>Coryphantha reduncispina</i> Boed. wfo--0000623378 | 66 |
| <i>Coryphantha pirtlei</i> Werderm. wfo--0000623346 | 64 | <i>Coryphantha retusa</i> (Pfeiff.) Britton & Rose wfo--0000623379 | 67 |
| <i>Coryphantha poselgeriana</i> (A.Dietr.) Britton & Rose wfo--0000623347 | 66 | <i>Coryphantha retusa</i> var. <i>melleospina</i> (Bravo) Bravo wfo--0001430533 | 67 |
| <i>Coryphantha poselgeriana</i> var. <i>salinensis</i> (Poselg.) L.Bremer wfo--0001430530 | 68 | <i>Coryphantha retusa</i> var. <i>pallidispina</i> Backeb. wfo--0000623380 | 67 |
| <i>Coryphantha poselgeriana</i> var. <i>saltillensis</i> (Poselg.) L.Bremer wfo--0000623348 | 87 | <i>Coryphantha robbinsorum</i> (W.H.Earle) A.D.Zimmerman wfo--0000623381 | 131 |
| <i>Coryphantha poselgeriana</i> var. <i>valida</i> (Purpus) Heinrich ex Backeb. wfo--0000623349 | 66 | <i>Coryphantha robertii</i> A.Berger wfo--0000623382 | 130 |
| <i>Coryphantha potosiana</i> (Jacobi) Glass & R.A.Foster ex Rowley wfo--0000623350 | 66 | <i>Coryphantha robustispina</i> (Schott ex Engelm.) Britton & Rose wfo--0000623383 | 67 |
| <i>Coryphantha potosiana</i> (Jacobi) Glass & R.A.Foster wfo--0001255758 | 66 | <i>Coryphantha robustispina</i> subsp. <i>robustispina</i> wfo--0001255760 | 68 |
| <i>Coryphantha pottsiana</i> (Poselg.) A.D.Zimmerman wfo--0000623351 | 228 | <i>Coryphantha robustispina</i> subsp. <i>scheeri</i> (Lem.) N.P.Taylor wfo--0000623385 | 68 |
| <i>Coryphantha pottsii</i> (Scheer) Orcutt wfo--0000623352 .. | 227 | <i>Coryphantha robustispina</i> subsp. <i>uncinata</i> (L.D.Benson) N.P.Taylor wfo--0000623386 | 68 |
| <i>Coryphantha pseudoechinus</i> Boed. wfo--0000623353 .. | 66 | <i>Coryphantha roederiana</i> Boed. wfo--0000623387 | 68 |
| <i>Coryphantha pseudoechinus</i> subsp. <i>loui</i> (L.Bremer) Dicht & A.Lüthy wfo--0000623354 | 67 | <i>Coryphantha rosea</i> Clokey wfo--0000623388 | 133 |
| <i>Coryphantha pseudoechinus</i> subsp. <i>pseudoechinus</i> wfo--0001286410 | 67 | <i>Coryphantha roseana</i> (Boed.) Moran wfo--0000623389 .. | 6 |
| <i>Coryphantha pseudonickelsiae</i> Backeb. wfo--0000623356 | 67 | <i>Coryphantha runyonii</i> Britton & Rose wfo--0000623390 .. | 65 |
| <i>Coryphantha pseudoradians</i> Bravo wfo--0000623357 .. | 66 | | |
| <i>Coryphantha pulleineana</i> (Backeb.) Glass wfo--0000623358 | 67 | | |
| <i>Coryphantha pusilliflora</i> L.Bremer wfo--0000623359 | 67 | | |

| | | | |
|---|--------|---|--------|
| <i>Coryphantha salinensis</i> (Poselg.) Dicht & A.Lüthy wfo-- 0000623391..... | 68 | <i>Coryphantha vivipara</i> f. <i>sonorensis</i> P.C.Fisch. wfo-- 0000623434..... | 133 |
| <i>Coryphantha salm-dyckiana</i> (Scheer ex Salm-Dyck) Britton & Rose wfo--0000623392..... | 66 | <i>Coryphantha vivipara</i> var. <i>aggregata</i> (Engelm.) W.T.Marshall wfo--0000623423..... | 132 |
| <i>Coryphantha salm-dyckiana</i> var. <i>brunnea</i> (Salm-Dyck) G.Unger wfo--0000623393..... | 66 | <i>Coryphantha vivipara</i> var. <i>alversonii</i> (J.M.Coult.) L.D.Benson wfo--0000623425..... | 128 |
| <i>Coryphantha scheeri</i> L.D.Benson wfo--0001287086..... | 68 | <i>Coryphantha vivipara</i> var. <i>arizonica</i> (Engelm.) W.T.Marshall wfo--0000623426..... | 132 |
| <i>Coryphantha scheeri</i> Lem. wfo--0000623394..... | 68 | <i>Coryphantha vivipara</i> var. <i>bisbeeana</i> (Orcutt) L.D.Benson wfo--0000623427..... | 133 |
| <i>Coryphantha scheeri</i> var. <i>robustispina</i> (Schott ex Engelm.) L.D.Benson wfo--0000623396..... | 67 | <i>Coryphantha vivipara</i> var. <i>buoiflora</i> P.C.Fisch. wfo-- 0000623428..... | 129 |
| <i>Coryphantha scheeri</i> var. <i>uncinata</i> L.D.Benson wfo-- 0000623397..... | 68 | <i>Coryphantha vivipara</i> var. <i>deserti</i> (Engelm.) W.T.Marshall wfo--0000623429..... | 132 |
| <i>Coryphantha scheeri</i> var. <i>valida</i> (Engelm.) L.D.Benson wfo-- 0000623398..... | 68 | <i>Coryphantha vivipara</i> var. <i>kaibabensis</i> P.C.Fisch. wfo-- 0000623430..... | 129 |
| <i>Coryphantha schlechtendalii</i> (Poselg.) Lem. wfo-- 0000623399..... | 65 | <i>Coryphantha vivipara</i> var. <i>neomexicana</i> (Engelm.) Backeb. wfo--0000623431..... | 132 |
| <i>Coryphantha schwarziana</i> Boed. wfo--0000623400..... | 63 | <i>Coryphantha vivipara</i> var. <i>radiosa</i> (Engelm.) Backeb. wfo-- 0000623432..... | 132 |
| <i>Coryphantha scolymoides</i> (Scheidw.) A.Berger wfo-- 0000623401..... | 62 | <i>Coryphantha vivipara</i> var. <i>rosea</i> (Clokey) L.D.Benson wfo-- 0000623433..... | 133 |
| <i>Coryphantha similis</i> (Engelm.) Britton & Rose wfo-- 0000623402..... | 130 | <i>Coryphantha vogtheriana</i> Werderm. & Boed. wfo-- 0000623437..... | 68 |
| <i>Coryphantha sneedii</i> (Britton & Rose) A.Berger wfo-- 0000623403..... | 131 | <i>Coryphantha vorwerkii</i> (Frič) Halda & Malina wfo-- 0000623438..... | 255 |
| <i>Coryphantha sneedii</i> var. <i>albicolumnaria</i> (Hester) A.D.Zimmerman wfo--0000623404..... | 131 | <i>Coryphantha werdermannii</i> Boed. wfo--0000623439..... | 68 |
| <i>Coryphantha sneedii</i> var. <i>guadalupensis</i> (S.Brack & K.D.Heil) A.D.Zimmerman wfo--0000623405..... | 131 | <i>Coryphantha werdermannii</i> subsp. <i>unguispina</i> Halda, Kupčák & Sladk. wfo--0001430537..... | 68 |
| <i>Coryphantha sneedii</i> var. <i>leei</i> (Rose) L.D.Benson wfo-- 0000623406..... | 131 | <i>Coryphantha wissmannii</i> (Hildm. ex K.Schum.) A.Berger wfo--0000623440..... | 130 |
| <i>Coryphantha sneedii</i> var. <i>orcuttii</i> (Boed.) Gorelick wfo-- 0001430534..... | 131 | <i>Coryphantha wohlschlageri</i> Holzeis wfo--0000623441..... | 68 |
| <i>Coryphantha speciosa</i> Boed. wfo--0000623407..... | 68 | <i>Coryphantha zilziana</i> Boed. wfo--0000623442..... | 133 |
| <i>Coryphantha strobiliformis</i> (Poselg.) Moran wfo-- 0000623408..... | 129 | <i>Cosmantha</i> Y.Itô wfo--4000042696..... | 103 |
| <i>Coryphantha strobiliformis</i> var. <i>durispina</i> (Quehl) L.D.Benson wfo--0001430535..... | 131 | <i>Cremnocereus albipilosus</i> M.Lowry & Winberg wfo-- 0001430538..... | 68 |
| <i>Coryphantha strobiliformis</i> var. <i>orcuttii</i> (Rose ex Orcutt) L.D.Benson wfo--0000623409..... | 131 | <i>Cremnocereus</i> M.Lowry, Winberg & Gut.Romero wfo-- 4001303177..... | 68 |
| <i>Coryphantha stuetzlei</i> Frič wfo--0000623410..... | 413 | <i>Cryptocereus</i> Alexander wfo--4000009876..... | 340 |
| <i>Coryphantha sublanata</i> Lem. wfo--0000623411..... | 400 | <i>Cryptocereus anthonyanus</i> Alexander wfo--0000628294..... | 340 |
| <i>Coryphantha sulcata</i> (Engelm.) Britton & Rose wfo-- 0000623412..... | 61, 68 | <i>Cryptocereus imitans</i> (Kimnach & Hutchison) Backeb. wfo-- 0000628295..... | 378 |
| <i>Coryphantha sulcata</i> var. <i>nickelsiae</i> (K.Brandegee) L.D.Benson wfo--0001430536..... | 65 | <i>Cryptocereus rosei</i> (Kimnach) Backeb. wfo--0000628296..... | 378 |
| <i>Coryphantha sulcata</i> var. <i>sulcata</i> wfo--0001287426..... | 68 | <i>Cullmannia</i> Distefano wfo--4000010026..... | 303 |
| <i>Coryphantha sulcolanata</i> (Lem.) Lem. wfo--000062341364 | | <i>Cullmannia viperina</i> (F.A.C.Weber) Distefano wfo-- 0000629264..... | 303 |
| <i>Coryphantha tripugionacantha</i> A.B.Lau wfo--0000623414 | 68 | <i>Cumarinia</i> (F.M.Knuth) Buxb. wfo--4000010029..... | 68 |
| <i>Coryphantha tuberculosa</i> (Engelm.) A.Berger wfo-- 0001262060..... | 131 | <i>Cumarinia odorata</i> (Boed.) Buxb. wfo--0000629265..... | 68, 69 |
| <i>Coryphantha tuberculosa</i> (Engelm.) Orcutt wfo-- 0000623415..... | 131 | <i>Cumulopuntia alboareolata</i> (F.Ritter) F.Ritter wfo-- 0000629290..... | 72 |
| <i>Coryphantha tuberculosa</i> var. <i>varicolor</i> (Tiegel) A.D.Zimmerman wfo--0000623416..... | 132 | <i>Cumulopuntia berteroi</i> (Colla) F.Ritter wfo--0000629291 | 125 |
| <i>Coryphantha unicornis</i> Boed. wfo--0000623417..... | 62 | <i>Cumulopuntia boliviana</i> (Salm-Dyck) F.Ritter wfo-- 0000629293..... | 69 |
| <i>Coryphantha valida</i> (Purpus) L.Bremer wfo--0000623418 | 66 | <i>Cumulopuntia boliviana</i> subsp. <i>boliviana</i> wfo-- 0001434734..... | 69 |
| <i>Coryphantha varicolor</i> Tiegel wfo--0000623419..... | 132 | <i>Cumulopuntia boliviana</i> subsp. <i>dactylifera</i> (Vaupel) D.R.Hunt wfo--0000629294..... | 70 |
| <i>Coryphantha vaupeliana</i> Boed. wfo--0000623420..... | 68 | <i>Cumulopuntia boliviana</i> subsp. <i>echinacea</i> (F.Ritter) D.R.Hunt wfo--0001430539..... | 70 |
| <i>Coryphantha villarensis</i> Backeb. wfo--0000623421..... | 64 | | |
| <i>Coryphantha vivipara</i> (Nutt.) Britton & Rose wfo-- 0000623422..... | 132 | | |

| | | | |
|--|--------|--|----|
| <i>Cumulopuntia boliviana</i> subsp. <i>ignescens</i> (Vaupel) D.R.Hunt wfo--0000629295 | 70 | <i>Cumulopuntia tubercularis</i> var. <i>transiens</i> F.Ritter wfo-- 0000629329 | 71 |
| <i>Cumulopuntia chichensis</i> (Cárdenas) E.F.Anderson wfo-- 0000629296 | 70 | <i>Cumulopuntia tumida</i> F.Ritter wfo--0000629330 | 71 |
| <i>Cumulopuntia corotilla</i> (K.Schum. ex Vaupel) E.F.Anderson wfo--0000629297 | 70 | <i>Cumulopuntia unguispina</i> F.Ritter wfo--0000629331 | 71 |
| <i>Cumulopuntia crassicylindrica</i> (Rauh & Backeb.) F.Ritter ex Eggli wfo--0000629299 | 72 | <i>Cumulopuntia zehnderi</i> (Rauh & Backeb.) F.Ritter wfo-- 0000629332 | 72 |
| <i>Cumulopuntia crassicylindrica</i> (Rauh & Backeb.) F.Ritter wfo--0000629298 | 72 | <i>Cylindropuntia</i> (Engelm.) F.M.Knuth wfo--4000010332 .. | 72 |
| <i>Cumulopuntia dactylifera</i> (Vaupel) E.F.Anderson wfo-- 0000629300 | 70 | <i>Cylindropuntia xanasaziensis</i> D.J.Barnett & Donnie Barnett wfo--0001430543 | 79 |
| <i>Cumulopuntia echinacea</i> (F.Ritter) F.Ritter wfo-- 0000629301 | 70 | <i>Cylindropuntia xantoniae</i> P.V.Heath wfo--0000632337 .. | 73 |
| <i>Cumulopuntia</i> F.Ritter wfo--4000010040 | 69 | <i>Cylindropuntia xcampii</i> (M.A.Baker & Pinkava) M.A.Baker & Pinkava wfo--0000632357 | 74 |
| <i>Cumulopuntia famatinensis</i> F.Ritter wfo--0000629303 .. | 69 | <i>Cylindropuntia xcardenche</i> (Griffiths) Pinkava & M.A.Baker wfo--0000748581 | 76 |
| <i>Cumulopuntia frigida</i> F.Ritter wfo--0000629304 | 70 | <i>Cylindropuntia xcongesta</i> (Griffiths) F.M.Knuth wfo-- 0001289594 | 76 |
| <i>Cumulopuntia fulvicoma</i> (Rauh & Backeb.) E.F.Anderson wfo--0000629305 | 69 | <i>Cylindropuntia xdeserta</i> (Griffiths) Pinkava wfo-- 0000632370 | 74 |
| <i>Cumulopuntia galerasensis</i> F.Ritter wfo--0000629306 .. | 69 | <i>Cylindropuntia xfosbergii</i> (C.B.Wolf) Rebman, M.A.Baker & Pinkava wfo--0000632373 | 75 |
| <i>Cumulopuntia glomerata</i> (Pfeiff.) Hoxey wfo--0001430540 | 70 | <i>Cylindropuntia xgrantiorum</i> P.V.Heath wfo--0000632382 | 75 |
| <i>Cumulopuntia hystrix</i> F.Ritter wfo--0000629307 | 70 | <i>Cylindropuntia xkelvinensis</i> (V.E.Grant & K.A.Grant) P.V.Heath wfo--0000632396 | 76 |
| <i>Cumulopuntia ignescens</i> (Vaupel) F.Ritter wfo-- 0000629308 | 69, 70 | <i>Cylindropuntia xmedia</i> P.V.Heath wfo--0000632404 | 77 |
| <i>Cumulopuntia ignota</i> (Britton & Rose) F.Ritter wfo-- 0000629309 | 70 | <i>Cylindropuntia xneorabuscula</i> (Griffiths) F.M.Knuth wfo-- 0000632414 | 73 |
| <i>Cumulopuntia iturbicola</i> G.J.Charles wfo--0000749087 .. | 71 | <i>Cylindropuntia xparryi</i> (Engelm.) F.M.Knuth wfo-- 0000632417 | 77 |
| <i>Cumulopuntia kuehnrichiana</i> (Werderm. & Backeb.) F.Ritter wfo--0000629310 | 71 | <i>Cylindropuntia xtetracantha</i> (Toumey) F.M.Knuth wfo-- 0000632438 | 76 |
| <i>Cumulopuntia leucophaea</i> (Phil.) Hoxey wfo--0001430541 | 71 | <i>Cylindropuntia xviridiflora</i> (Britton & Rose) F.M.Knuth wfo- --0001289600 | 79 |
| <i>Cumulopuntia mistiense</i> (Backeb.) E.F.Anderson wfo-- 0000629311 | 70 | <i>Cylindropuntia xvivipara</i> (Rose) F.M.Knuth wfo-- 0001288144 | 73 |
| <i>Cumulopuntia multiareolata</i> (F.Ritter) F.Ritter wfo-- 0000629312 | 71 | <i>Cylindropuntia abyssii</i> (Hester) Backeb. wfo--0000632318 | 72 |
| <i>Cumulopuntia pampana</i> F.Ritter wfo--0000629315 | 69 | <i>Cylindropuntia acanthocarpa</i> (Engelm. & J.M.Bigelow) F.M.Knuth wfo--0000632319 | 72 |
| <i>Cumulopuntia pentlandii</i> (Salm-Dyck) F.Ritter wfo-- 0000629316 | 69 | <i>Cylindropuntia acanthocarpa</i> subsp. <i>acanthocarpa</i> wfo-- 0001286428 | 72 |
| <i>Cumulopuntia pentlandii</i> var. <i>colchana</i> (Cárdenas) F.Ritter wfo--0000629317 | 70 | <i>Cylindropuntia acanthocarpa</i> subsp. <i>coloradensis</i> (L.D.Benson) U.Guzmán wfo--0000632321 | 72 |
| <i>Cumulopuntia pentlandii</i> var. <i>dactylifera</i> (Vaupel) F.Ritter wfo--0000629318 | 70 | <i>Cylindropuntia acanthocarpa</i> subsp. <i>major</i> (Engelm. & J.M.Bigelow) U.Guzmán wfo--0000632324 | 72 |
| <i>Cumulopuntia pyrghantha</i> (K.Schum.) F.Ritter wfo-- 0000629319 | 69 | <i>Cylindropuntia acanthocarpa</i> subsp. <i>ramosa</i> (Peebles) M.A.Baker & Cloud-H. wfo--0001430544 | 72 |
| <i>Cumulopuntia rauppiana</i> (K.Schum.) F.Ritter wfo-- 0000629320 | 71 | <i>Cylindropuntia acanthocarpa</i> subsp. <i>thornberi</i> (Thornber & Bonker) Lodé wfo--0001430545 | 73 |
| <i>Cumulopuntia recurvata</i> Gilmer & H.P.Thomas wfo-- 0000629321 | 363 | <i>Cylindropuntia acanthocarpa</i> var. <i>coloradensis</i> (L.D.Benson) Pinkava wfo--0000632320 | 72 |
| <i>Cumulopuntia rossiana</i> (Heinrich & Backeb.) F.Ritter wfo-- 0000629322 | 71 | <i>Cylindropuntia acanthocarpa</i> var. <i>major</i> (Engelm. & J.M.Bigelow) Pinkava wfo--0000632322 | 72 |
| <i>Cumulopuntia sphaerica</i> (C.F.Först.) E.F.Anderson wfo-- 0000629323 | 71 | <i>Cylindropuntia acanthocarpa</i> var. <i>ramosa</i> (Peebles) Backeb. wfo--0000632325 | 72 |
| <i>Cumulopuntia subterranea</i> (R.E.Fr.) F.Ritter wfo-- 0000629324 | 72 | <i>Cylindropuntia acanthocarpa</i> var. <i>thornberi</i> (Thornber & Bonker) Backeb. wfo--0000632326 | 73 |
| <i>Cumulopuntia subterranea</i> subsp. <i>pulcherrima</i> (Halda & Horáček) G.J.Charles wfo--0001430542 | 72 | <i>Cylindropuntia alamosensis</i> (Britton & Rose) Backeb. wfo-- 0000632327 | 78 |
| <i>Cumulopuntia subterranea</i> subsp. <i>subterranea</i> wfo-- 0001434735 | 72 | <i>Cylindropuntia alcahes</i> (F.A.C.Weber) F.M.Knuth wfo-- 0000632328 | 73 |
| <i>Cumulopuntia ticnamarensis</i> F.Ritter wfo--0000629326 .. | 70 | | |
| <i>Cumulopuntia tortispina</i> F.Ritter wfo--0000629327 | 70 | | |
| <i>Cumulopuntia tubercularis</i> F.Ritter wfo--0000629328 | 71 | | |

| | |
|--|--|
| <i>Cylindropuntia alcahes</i> subsp. <i>alcahes</i> wfo---0001286429 73 | <i>Cylindropuntia californica</i> var. <i>rosarica</i> (G.E.Linds.) Rebman wfo---0000632353 74 |
| <i>Cylindropuntia alcahes</i> subsp. <i>burrageana</i> (Britton & Rose) U.Guzmán wfo---0000632330 73 | <i>Cylindropuntia calmalliana</i> (J.M.Coult.) F.M.Knuth wfo--- 0000632355 74 |
| <i>Cylindropuntia alcahes</i> subsp. <i>gigantensis</i> (Rebman) Rebman wfo---0001430546 73 | <i>Cylindropuntia cardenche</i> (Griffiths) F.M.Knuth wfo--- 0000632358 76 |
| <i>Cylindropuntia alcahes</i> subsp. <i>gigantensis</i> (Rebman) U.Guzmán wfo---0000632332 73 | <i>Cylindropuntia caribaea</i> (Britton & Rose) F.M.Knuth wfo--- 0000632359 74 |
| <i>Cylindropuntia alcahes</i> subsp. <i>mcgillii</i> (Rebman) Rebman wfo---0001430547 73 | <i>Cylindropuntia cedrosensis</i> Rebman wfo---0001430550.. 74 |
| <i>Cylindropuntia alcahes</i> subsp. <i>mcgillii</i> (Rebman) U.Guzmán wfo---0000632335 73 | <i>Cylindropuntia cholla</i> (F.A.C.Weber) F.M.Knuth wfo--- 0000632360 74 |
| <i>Cylindropuntia alcahes</i> var. <i>burrageana</i> (Britton & Rose) Rebman wfo---0000632329 73 | <i>Cylindropuntia chuckwallensis</i> M.A.Baker & Cloud-H. wfo-- -0001430551 74 |
| <i>Cylindropuntia alcahes</i> var. <i>gigantensis</i> Rebman wfo--- 0000632331 73 | <i>Cylindropuntia ciribe</i> (Engelm.) F.M.Knuth wfo--- 0000632361 74 |
| <i>Cylindropuntia alcahes</i> var. <i>mcgillii</i> Rebman wfo--- 0000632333 73 | <i>Cylindropuntia clavarioides</i> (Pfeiff.) F.M.Knuth wfo--- 0000632362 195 |
| <i>Cylindropuntia antejoensis</i> (Pinkava) E.F.Anderson wfo--- 0000632336 73 | <i>Cylindropuntia clavata</i> (Engelm.) F.M.Knuth wfo--- 0001430552 148 |
| <i>Cylindropuntia arborescens</i> (Engelm.) F.M.Knuth wfo--- 0001430548 72, 75 | <i>Cylindropuntia clavellina</i> (Engelm. ex J.M.Coult.) F.M.Knuth wfo---0000632363 77 |
| <i>Cylindropuntia arbuscula</i> (Engelm.) F.M.Knuth wfo--- 0000632338 73 | <i>Cylindropuntia cylindrica</i> (Lam.) F.M.Knuth wfo--- 0000632365 17 |
| <i>Cylindropuntia arbuscula</i> var. <i>congesta</i> (Griffiths) Backeb. wfo---0000632339 76 | <i>Cylindropuntia davisii</i> (Engelm. & J.M.Bigelow) F.M.Knuth wfo---0000632366 74 |
| <i>Cylindropuntia bernardina</i> (Engelm. ex Parish) M.A. Baker wfo---0001430549 73 | <i>Cylindropuntia delgadilloana</i> Rebman & Pinkava wfo--- 0000632368 74 |
| <i>Cylindropuntia bigelovii</i> (Engelm.) F.M.Knuth wfo--- 0000632340 73 | <i>Cylindropuntia densiaculeata</i> Backeb. wfo---0000632369 400 |
| <i>Cylindropuntia bigelovii</i> subsp. <i>bigelovii</i> wfo---0001286430 73 | <i>Cylindropuntia echinocarpa</i> (Engelm. & J.M.Bigelow) F.M.Knuth wfo---0000632371 74 |
| <i>Cylindropuntia bigelovii</i> subsp. <i>ciribe</i> (Engelm. ex J.M.Coult.) U.Guzmán wfo---0000632342 74 | <i>Cylindropuntia exaltata</i> (A.Berger) Backeb. wfo--- 0000632372 17 |
| <i>Cylindropuntia bigelovii</i> var. <i>bigelovii</i> wfo---000126204873 | <i>Cylindropuntia fulgida</i> (Engelm.) F.M.Knuth wfo--- 0000632374 75 |
| <i>Cylindropuntia bigelovii</i> var. <i>ciribe</i> (Engelm. ex J.M.Coult.) Rebman wfo---0000632341 74 | <i>Cylindropuntia fulgida</i> f. <i>cristata</i> P.V.Heath wfo--- 0000632375 75 |
| <i>Cylindropuntia brevispina</i> (H.E.Gates) Backeb. wfo--- 0000632343 73 | <i>Cylindropuntia fulgida</i> f. <i>mamillata</i> (A.Schott ex Engelm.) Guiggi & Verloove wfo---0001430553 75 |
| <i>Cylindropuntia brittonii</i> (J.G.Ortega) Backeb. wfo--- 0000632344 77 | <i>Cylindropuntia fulgida</i> f. <i>monstruosa</i> P.V.Heath wfo--- 0000632376 75 |
| <i>Cylindropuntia burrageana</i> (Britton & Rose) Backeb. wfo--- 0000632346 73 | <i>Cylindropuntia fulgida</i> var. <i>fulgida</i> wfo---0001262047 ... 75 |
| <i>Cylindropuntia caerulescens</i> (Griffiths) F.M.Knuth wfo--- 0000632347 76 | <i>Cylindropuntia fulgida</i> var. <i>mamillata</i> (A.Schott ex Engelm.) Backeb. wfo---0001430554 75 |
| <i>Cylindropuntia californica</i> (Torr. & A.Gray) F.M.Knuth wfo-- -0000632348 74 | <i>Cylindropuntia ganderi</i> (C.B.Wolf) Rebman & Pinkava wfo-- -0000632379 75 |
| <i>Cylindropuntia californica</i> subsp. <i>californica</i> wfo--- 0001286431 74 | <i>Cylindropuntia ganderi</i> subsp. <i>catavinensis</i> (Rebman) Rebman wfo---0001430555 75 |
| <i>Cylindropuntia californica</i> subsp. <i>delgadilloana</i> (Rebman & Pinkava) U.Guzmán wfo---0000632350 74 | <i>Cylindropuntia ganderi</i> subsp. <i>catavinensis</i> (Rebman) U.Guzmán wfo---0000632381 75 |
| <i>Cylindropuntia californica</i> subsp. <i>parkeri</i> (J.M.Coult.) U.Guzmán wfo---0000632352 73 | <i>Cylindropuntia ganderi</i> subsp. <i>ganderi</i> wfo---0001286433 75 |
| <i>Cylindropuntia californica</i> subsp. <i>rosarica</i> (G.E.Linds.) U.Guzmán wfo---0000632354 74 | <i>Cylindropuntia ganderi</i> var. <i>catavinensis</i> Rebman wfo--- 0000632380 75 |
| <i>Cylindropuntia californica</i> var. <i>californica</i> wfo--- 0001266569 74 | <i>Cylindropuntia haematacantha</i> Backeb. wfo---0000632383 364 |
| <i>Cylindropuntia californica</i> var. <i>delgadilloana</i> (Rebman & Pinkava) Rebman wfo---0000632349 74 | <i>Cylindropuntia hamiltonii</i> (H.E.Gates ex Backeb.) Backeb. wfo---0000632384 74 |
| <i>Cylindropuntia californica</i> var. <i>parkeri</i> (J.M.Coult.) Pinkava wfo---0000632351 73 | <i>Cylindropuntia hualpaensis</i> (Hester) Backeb. wfo--- 0000632385 79 |
| | <i>Cylindropuntia humahuacana</i> Backeb. wfo---0000632386 19 |

| | | | |
|---|-----|--|-----|
| <i>Cylindropuntia hypsophila</i> (Speg.) Backeb. wfo--- 0000632387..... | 364 | <i>Cylindropuntia molesta</i> (K.Brandegee) F.M.Knuth wfo--- 0000632407..... | 77 |
| <i>Cylindropuntia hystrix</i> (Griseb.) Areces wfo---0000632388 | 75 | <i>Cylindropuntia molesta</i> subsp. <i>clavellina</i> (Engelm. ex J.M.Coult.) U.Guzmán wfo---0000632409..... | 77 |
| <i>Cylindropuntia imbricata</i> (Haw.) F.M.Knuth wfo--- 0000632390..... | 75 | <i>Cylindropuntia molesta</i> subsp. <i>molesta</i> wfo---0001286435 | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>argentea</i> (M.S.Anthony) U.Guzmán wfo---0000632392..... | 76 | <i>Cylindropuntia molesta</i> var. <i>clavellina</i> (Engelm. ex J.M.Coult.) Rebman wfo---0000632408..... | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>cardenche</i> (Griffiths) U.Guzmán wfo---0000632393..... | 76 | <i>Cylindropuntia mortolensis</i> (Britton & Rose) F.M.Knuth wfo---0000632410..... | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>imbricata</i> wfo--- 0001286434..... | 76 | <i>Cylindropuntia multigeniculata</i> (Clokey) Backeb. wfo--- 0000632412..... | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>lloydii</i> (Rose) U.Guzmán wfo---0000632394..... | 76 | <i>Cylindropuntia munzii</i> (C.B.Wolf) Backeb. wfo--- 0000632413..... | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>rosea</i> (DC.) M.A.Baker wfo---0001430556..... | 76 | <i>Cylindropuntia pachypus</i> (K.Schum.) Backeb. wfo--- 0000632415..... | 18 |
| <i>Cylindropuntia imbricata</i> subsp. <i>spinosior</i> (Engelm.) M.A.Baker, Cloud-H. & Majure wfo---0001430557..... | 76 | <i>Cylindropuntia pallida</i> (Rose) F.M.Knuth wfo---0000632416 | 77 |
| <i>Cylindropuntia imbricata</i> subsp. <i>spinotecta</i> (Griffiths) M.A.Baker wfo---0001430558..... | 76 | <i>Cylindropuntia perrita</i> (Griffiths) Majure wfo---0001434677 | 78 |
| <i>Cylindropuntia imbricata</i> var. <i>arborescens</i> (Engelm.) Bulot wfo---0001430559..... | 75 | <i>Cylindropuntia prolifera</i> (Engelm.) F.M.Knuth wfo--- 0000632418..... | 78 |
| <i>Cylindropuntia imbricata</i> var. <i>argentea</i> (M.S.Anthony) Backeb. wfo---0000632391..... | 76 | <i>Cylindropuntia ramosissima</i> (Engelm.) F.M.Knuth wfo--- 0000632419..... | 78 |
| <i>Cylindropuntia imbricata</i> var. <i>imbricata</i> wfo---0001262049 | 75 | <i>Cylindropuntia ramosissima</i> var. <i>cristata</i> (K.Schum.) P.V.Heath wfo---0000632420..... | 78 |
| <i>Cylindropuntia imbricata</i> var. <i>spinotecta</i> (Griffiths) M.A.Baker wfo---0001430560..... | 76 | <i>Cylindropuntia recondita</i> (Griffiths) F.M.Knuth wfo--- 0000632421..... | 76 |
| <i>Cylindropuntia intermedia</i> (Rauh & Backeb.) Rauh & Backeb. wfo---0000632395..... | 17 | <i>Cylindropuntia recondita</i> var. <i>perrita</i> (Griffiths) Backeb. wfo---0000632423..... | 78 |
| <i>Cylindropuntia kleiniae</i> (DC.) F.M.Knuth wfo---0000632397 | 76 | <i>Cylindropuntia rosarica</i> (G.E.Linds.) Backeb. wfo--- 0000632424..... | 74 |
| <i>Cylindropuntia leptocaulis</i> (DC.) F.M.Knuth wfo--- 0000632398..... | 76 | <i>Cylindropuntia rosea</i> (DC.) Backeb. wfo---0000632425... 76 | |
| <i>Cylindropuntia leptocaulis</i> f. <i>longispina</i> (Engelm.) Guiggi wfo---0001430561..... | 77 | <i>Cylindropuntia rosea</i> var. <i>atrorosea</i> Backeb. wfo--- 0000632426..... | 76 |
| <i>Cylindropuntia leptocaulis</i> var. <i>badia</i> (A.Berger) F.M.Knuth wfo---0001288073..... | 77 | <i>Cylindropuntia salmiana</i> (J.Parm. ex Pfeiff.) F.M.Knuth wfo---0000632427..... | 333 |
| <i>Cylindropuntia leptocaulis</i> var. <i>brevispina</i> (Engelm.) F.M.Knuth wfo---0001289588..... | 77 | <i>Cylindropuntia sanfelipensis</i> (Rebman) Rebman wfo--- 0000735726..... | 78 |
| <i>Cylindropuntia leptocaulis</i> var. <i>glauca</i> Backeb. wfo--- 0000632399..... | 77 | <i>Cylindropuntia santamaria</i> (E.M.Baxter) Rebman wfo--- 0000735727..... | 78 |
| <i>Cylindropuntia leptocaulis</i> var. <i>longispina</i> (Engelm.) F.M.Knuth wfo---0000632401..... | 77 | <i>Cylindropuntia schickendantzii</i> (F.A.C.Weber) Backeb. wfo- ---0000632428..... | 334 |
| <i>Cylindropuntia leptocaulis</i> var. <i>pleuriseta</i> (A.Berger) F.M.Knuth wfo---0001289380..... | 77 | <i>Cylindropuntia schottii</i> (Engelm.) F.M.Knuth wfo--- 0001430563..... | 149 |
| <i>Cylindropuntia leptocaulis</i> var. <i>robustior</i> (A.Berger) F.M.Knuth wfo---0001288075..... | 77 | <i>Cylindropuntia shaferi</i> (Britton & Rose) Backeb. wfo--- 0000632429..... | 18 |
| <i>Cylindropuntia leptocaulis</i> var. <i>vaginata</i> (Engelm.) F.M.Knuth wfo---0001289590..... | 77 | <i>Cylindropuntia spegazzinii</i> (F.A.C.Weber) Backeb. wfo--- 0000632430..... | 333 |
| <i>Cylindropuntia libertadensis</i> Rebman wfo---0001430562 77 | | <i>Cylindropuntia spinosior</i> (Engelm.) F.M.Knuth wfo--- 0000632431..... | 76 |
| <i>Cylindropuntia lindsayi</i> (Rebman) Rebman wfo--- 0000735725..... | 77 | <i>Cylindropuntia stanlyi</i> F.M.Knuth wfo---0001430564.... 148 | |
| <i>Cylindropuntia lloydii</i> (Rose) F.M.Knuth wfo---0000632402 | 76 | <i>Cylindropuntia subulata</i> (Muehlenpf.) F.M.Knuth wfo--- 0000632432..... | 19 |
| <i>Cylindropuntia maldonadensis</i> (Arechav.) Backeb. wfo--- 0000632403..... | 257 | <i>Cylindropuntia tephrocactoides</i> (Rauh & Backeb.) Rauh & Backeb. wfo---0000632434..... | 17 |
| <i>Cylindropuntia metuenda</i> (Pittier) Backeb. wfo--- 0000632405..... | 74 | <i>Cylindropuntia teres</i> (Cels ex F.A.C.Weber) Backeb. wfo--- 0000632435..... | 19 |
| <i>Cylindropuntia miquelii</i> (Monv.) Backeb. wfo---0000632406 | 254 | <i>Cylindropuntia tesajo</i> (Engelm. ex J.M.Coult.) F.M.Knuth wfo---0000632436..... | 78 |
| | | <i>Cylindropuntia tesajo</i> var. <i>cineracea</i> (Wiggins) Backeb. wfo---0000632437..... | 78 |

| | | | |
|---|----------|---|----------|
| <i>Cylindropuntia thurberi</i> (Engelm.) F.M.Knuth wfo-- 0000632439..... | 78 | <i>Demnosa strausii</i> (Heese) Frič wfo--0000640969..... | 47 |
| <i>Cylindropuntia thurberi</i> subsp. <i>alamosensis</i> (Britton & Rose) U.Guzmán wfo--0000632440..... | 78 | <i>Demnosa strausii</i> var. <i>luteispina</i> Frič wfo--0001430570..... | 46 |
| <i>Cylindropuntia thurberi</i> subsp. <i>thurberi</i> wfo--0001286436 | 78 | <i>Dendrocereus</i> Britton & Rose wfo--4000011065..... | 35, 176 |
| <i>Cylindropuntia thurberi</i> subsp. <i>versicolor</i> (Engelm. ex J.M.Coult.) M.A.Baker wfo--0001430565..... | 78 | <i>Dendrocereus nudiflorus</i> (Engelm. ex C.Wright) Britton & Rose wfo--0000640997..... | 176, 177 |
| <i>Cylindropuntia tunicata</i> (Lehm.) F.M.Knuth wfo-- 0000632441..... | 78 | <i>Dendrocereus undulosus</i> (DC.) Britton & Rose wfo-- 0000640998..... | 177 |
| <i>Cylindropuntia tunicata</i> var. <i>aricensis</i> F.Ritter wfo-- 0000632442..... | 78 | <i>Dendrocereus undulosus</i> subsp. <i>nudiflorus</i> (Engelm. ex C.Wright) Guiggi wfo--0001430571..... | 177 |
| <i>Cylindropuntia tunicata</i> var. <i>chilensis</i> F.Ritter wfo-- 0000632443..... | 79 | <i>Denmoza</i> Britton & Rose wfo--4000011135..... | 79 |
| <i>Cylindropuntia verschaffeltii</i> (Cels ex F.A.C.Weber) Backeb. wfo--0000632445..... | 364 | <i>Denmoza ducis-pauli</i> (C.F.Först. ex Rümpler) Werderm. ex Backeb. wfo--0001224367..... | 80 |
| <i>Cylindropuntia verschaffeltii</i> f. <i>longispina</i> (Backeb.) Krainz wfo--0000632446..... | 364 | <i>Denmoza erythrocephala</i> (K.Schum.) A.Berger wfo-- 0000641585..... | 80 |
| <i>Cylindropuntia versicolor</i> (Engelm. ex J.M.Coult.) F.M.Knuth wfo--0000632447..... | 78 | <i>Denmoza rhodacantha</i> (Salm-Dyck) Britton & Rose wfo-- 0000641586..... | 79 |
| <i>Cylindropuntia vestita</i> (Salm-Dyck) Backeb. wfo-- 0000632448..... | 19 | <i>Denmoza rhodacantha</i> var. <i>diamantina</i> Slaba wfo-- 0000641587..... | 80 |
| <i>Cylindropuntia waltoniorum</i> Rebman wfo--0001430566 | 79 | <i>Denmoza strausii</i> (Heese) Frič wfo--0000641588..... | 47 |
| <i>Cylindropuntia weingartiana</i> (Backeb.) Backeb. wfo-- 0000632451..... | 18 | <i>Denmoza strausii</i> var. <i>luteispina</i> Frič wfo--0000641589 | 80 |
| <i>Cylindropuntia whipplei</i> (Engelm. & J.M.Bigelow) F.M.Knuth wfo--0000632452..... | 79 | <i>Digitorebutia atrovirens</i> (Backeb.) Buining wfo-- 0000647460..... | 24 |
| <i>Cylindropuntia whipplei</i> subsp. <i>enodis</i> (Peebles) M.A.Baker wfo--0001430567..... | 79 | <i>Digitorebutia brachyantha</i> (Wessner) Buining wfo-- 0000647461..... | 25 |
| <i>Cylindropuntia whipplei</i> subsp. <i>whipplei</i> wfo-- 0001430568..... | 79 | <i>Digitorebutia brachyantha</i> var. <i>ritteri</i> (Wessner) Donald wfo--0001430572..... | 323 |
| <i>Cylindropuntia whipplei</i> var. <i>enodis</i> (Peebles) Backeb. wfo-- -0000632453..... | 79 | <i>Digitorebutia costata</i> (Werderm.) Buining wfo-- 0000647462..... | 24 |
| <i>Cylindropuntia wigginsii</i> (L.D.Benson) H.Rob. wfo-- 0000632454..... | 74 | <i>Digitorebutia costata</i> var. <i>eucaliptana</i> (Backeb.) Donald wfo--0001430573..... | 24 |
| <i>Cylindropuntia wolfii</i> (L.D.Benson) M.A.Baker wfo-- 0000632456..... | 79 | <i>Digitorebutia digitiformis</i> (Backeb.) Buining wfo-- 0000647463..... | 24 |
| <i>Cylindrorebutia aurantida</i> (Wessner) Brederoo wfo-- 0000632457..... | 22 | <i>Digitorebutia eucaliptana</i> (Backeb.) Buining wfo-- 0001430574..... | 24 |
| <i>Cylindrorebutia columnaris</i> (Wessner) Brederoo wfo-- 0000632458..... | 23 | <i>Digitorebutia</i> Frič & Kreuz. ex Buining wfo--4000011703 | 19 |
| <i>Cylindrorebutia conoidea</i> (Wessner) Brederoo wfo-- 0000632459..... | 23 | <i>Digitorebutia haagei</i> (Frič & Schelle) Frič ex Buining wfo-- 0000647464..... | 19, 24 |
| <i>Cylindrorebutia einsteinii</i> (Frič ex Kreuz. & Buining) Brederoo wfo--0000632460..... | 21 | <i>Digitorebutia haagei</i> var. <i>atrovirens</i> (Backeb.) Donald wfo-- -0001430575..... | 24 |
| <i>Cylindrorebutia</i> Frič & Kreuz. wfo--4000010335..... | 321 | <i>Digitorebutia haagei</i> var. <i>orurensis</i> (Backeb.) Donald wfo-- 0001430576..... | 24 |
| <i>Cylindrorebutia schmiedcheniana</i> (U.Köhler) Brederoo wfo--0000632461..... | 22 | <i>Digitorebutia haagei</i> var. <i>pectinata</i> (Backeb.) Donald wfo-- -0001430577..... | 25 |
| <i>Dactylanthocactus graessneri</i> (K.Schum.) Y.Itô wfo-- 0000636805..... | 286 | <i>Digitorebutia haefneriana</i> (Cullmann) Donald wfo-- 0001430578..... | 25 |
| <i>Dactylanthocactus</i> Y.Itô wfo--4000010620..... | 279 | <i>Digitorebutia nazarenoensis</i> Rausch wfo--0000647466 | 26 |
| <i>Deamia</i> Britton & Rose wfo--4000010896..... | 79 | <i>Digitorebutia orurensis</i> (Backeb.) Buining wfo-- 0000647467..... | 24 |
| <i>Deamia chontalensis</i> (Alexander) Doweld wfo-- 0000638870..... | 79 | <i>Digitorebutia pectinata</i> (Backeb.) Buining wfo-- 0000647468..... | 25 |
| <i>Deamia diabolica</i> Clover wfo--0000638871..... | 79 | <i>Digitorebutia raulii</i> Rausch wfo--0001284683..... | 323 |
| <i>Deamia montalvoae</i> Cerén, J.Menjívar & S.Arias wfo-- 0001430569..... | 79 | <i>Digitorebutia ritteri</i> (Wessner) Buining wfo--0000647469 | 323 |
| <i>Deamia testudo</i> (Karw. ex Zucc.) Britton & Rose wfo-- 0000638872..... | 79 | <i>Digitorebutia yuquinensis</i> (Rausch) Rausch wfo-- 0001284682..... | 26 |
| <i>Delaetia</i> Backeb. wfo--4000010996..... | 112 | <i>Digitostigma caput-medusae</i> Velazco & Nevárez wfo-- 0000647470..... | 14, 15 |
| <i>Delaetia woutersiana</i> Backeb. wfo--0000639401..... | 112, 127 | <i>Digitostigma</i> Velazco & Nevárez wfo--4000011704..... | 14 |
| <i>Demnosa</i> Britton & Rose wfo--4000011043..... | 79 | <i>Diploperianthium</i> F.Ritter wfo--4000042610..... | 35 |
| | | <i>Discocactus albispinus</i> Buining & Brederoo wfo-- 0000651926..... | 82 |
| | | <i>Discocactus alteolens</i> K.Schum. wfo--0000651928..... | 81 |

| | | | |
|---|-----|---|--------|
| <i>Discocactus alteolens</i> Lem. ex A.Dietr. wfo--0000651927 | 81 | <i>Discocactus flavispinus</i> Buining & Brederoo wfo-- 0000651958 | 81 |
| <i>Discocactus araneispinus</i> Buining & Brederoo wfo-- 0000651929 | 82 | <i>Discocactus goianus</i> Diers & Esteves wfo--0000651959. 80 | |
| <i>Discocactus bahiensis</i> Britton & Rose wfo--0000651930 80 | | <i>Discocactus griseus</i> Buining & Brederoo wfo--0000651960 | 80 |
| <i>Discocactus bahiensis</i> subsp. <i>gracilis</i> P.J.Braun & Esteves wfo--0000651931 | 80 | <i>Discocactus hartmannii</i> (K.Schum.) Britton & Rose wfo-- 0000651961 | 81 |
| <i>Discocactus bahiensis</i> subsp. <i>petr-halfari</i> (Zachar) P.J.Braun & Esteves wfo--0000509081 | 82 | <i>Discocactus hartmannii</i> subsp. <i>giganteus</i> P.J.Braun & Esteves wfo--0000651963 | 81 |
| <i>Discocactus bahiensis</i> subsp. <i>petr-halfarii</i> (Zachar) P.J.Braun & Esteves wfo--0001430579 | 82 | <i>Discocactus hartmannii</i> subsp. <i>magnimammus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651965 | 81 |
| <i>Discocactus bahiensis</i> subsp. <i>subviridigriseus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651932 | 80 | <i>Discocactus hartmannii</i> subsp. <i>patulifolius</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651970 | 81 |
| <i>Discocactus besleri</i> F.A.C.Weber wfo--0000651934 | 81 | <i>Discocactus hartmannii</i> subsp. <i>setosiflorus</i> P.J.Braun & Esteves wfo--0000651971 | 81 |
| <i>Discocactus bififormis</i> Walp. wfo--0000651935 | 413 | <i>Discocactus hartmannii</i> var. <i>bonitoensis</i> (Buining & Brederoo) P.J.Braun wfo--0000651962 | 81 |
| <i>Discocactus boliviensis</i> Backeb. wfo--0000651936 | 80 | <i>Discocactus hartmannii</i> var. <i>magnimammus</i> (Buining & Brederoo) P.J.Braun wfo--0000651964 | 81 |
| <i>Discocactus boliviensis</i> Buining & Brederoo wfo-- 0001430580 | 80 | <i>Discocactus hartmannii</i> var. <i>mamillosus</i> (Buining & Brederoo) P.J.Braun wfo--0000651968 | 80 |
| <i>Discocactus boliviensis</i> subsp. <i>ferricola</i> (Buining & Brederoo) Guiggi wfo--0001430581 | 81 | <i>Discocactus hartmannii</i> var. <i>patulifolius</i> (Buining & Brederoo) P.J.Braun wfo--0000651969 | 81 |
| <i>Discocactus boomianus</i> Buining & Brederoo wfo-- 0000651937 | 82 | <i>Discocactus heptacanthus</i> (Barb.Rodr.) Britton & Rose wfo-- --0000651972 | 81 |
| <i>Discocactus buenekeri</i> W.R.Abraham wfo--0000651938 82 | | <i>Discocactus heptacanthus</i> subsp. <i>catingicola</i> (Buining & Brederoo) N.P.Taylor & Zappi wfo--0000651973 | 80 |
| <i>Discocactus cangaensis</i> Diers & Esteves wfo--0000651939 | 80 | <i>Discocactus heptacanthus</i> subsp. <i>magnimammus</i> (Buining & Brederoo) N.P.Taylor & Zappi wfo--0000651974 | 81 |
| <i>Discocactus catingicola</i> Buining & Brederoo wfo-- 0000651940 | 80 | <i>Discocactus heptacanthus</i> subsp. <i>melanochlorus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651975 | 81 |
| <i>Discocactus catingicola</i> subsp. <i>griseus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651942 | 80 | <i>Discocactus heptacanthus</i> var. <i>semicampaniflorus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651976 | 81 |
| <i>Discocactus catingicola</i> subsp. <i>rapirhizus</i> (Buining & Brederoo) P.Braun & Esteves wfo--0000651945 | 80 | <i>Discocactus horstii</i> Buining & Brederoo wfo--0000651977 | 81 |
| <i>Discocactus catingicola</i> var. <i>griseus</i> (Buining & Brederoo) P.Braun & Esteves wfo--0000651941 | 80 | <i>Discocactus insignis</i> Pfeiff. wfo--0000651979 | 80, 81 |
| <i>Discocactus catingicola</i> var. <i>nigrisaetosus</i> (Buining & Brederoo) P.Braun & Esteves wfo--0000651943 | 80 | <i>Discocactus latispinus</i> Buining & Brederoo wfo-- 0000651980 | 81 |
| <i>Discocactus cephaliaciculosus</i> Buining & Brederoo ex P.J.Braun & Esteves wfo--0000651946 | 80 | <i>Discocactus latispinus</i> subsp. <i>pseudolatispinus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0000651981 | 82 |
| <i>Discocactus cephaliaciculosus</i> subsp. <i>nudicephalus</i> P.J.Braun & Esteves wfo--0000651947 | 80 | <i>Discocactus latispinus</i> subsp. <i>pulvinicapitatus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000651982 | 82 |
| <i>Discocactus crassispinus</i> P.J.Braun & Esteves wfo-- 0000651948 | 80 | <i>Discocactus lehmannii</i> Pfeiff. wfo--0000651983 | 81 |
| <i>Discocactus crassispinus</i> subsp. <i>araguaiensis</i> P.J.Braun & Esteves wfo--0000651949 | 80 | <i>Discocactus lindaianus</i> Diers & Esteves wfo--0000651984 | 80 |
| <i>Discocactus crystallophilus</i> Diers & Esteves wfo-- 0000651950 | 82 | <i>Discocactus linkii</i> Pfeiff. wfo--0000651985 | 81 |
| <i>Discocactus diersianus</i> Esteves wfo--0000651951 | 80 | <i>Discocactus magnimammus</i> Buining & Brederoo wfo-- 0000651986 | 81 |
| <i>Discocactus diersianus</i> subsp. <i>cephaliaciculosus</i> (Buining & Brederoo ex P.J.Braun & Esteves) Guiggi wfo-- 0001430582 | 80 | <i>Discocactus magnimammus</i> subsp. <i>bonitoensis</i> Buining & Brederoo wfo--0000651987 | 81 |
| <i>Discocactus diersianus</i> subsp. <i>goianus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0000651953 | 80 | <i>Discocactus mamillosus</i> Buining & Brederoo wfo-- 0000651988 | 80 |
| <i>Discocactus diersianus</i> subsp. <i>nudicephalus</i> (P.J.Braun & Esteves) Guiggi wfo--0001430583 | 80 | <i>Discocactus melanochlorus</i> Buining & Brederoo wfo-- 0000651989 | 81 |
| <i>Discocactus diersianus</i> var. <i>goianus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0000651952 | 80 | <i>Discocactus multicolorispinus</i> P.J.Braun & Brederoo wfo-- 0000651990 | 82 |
| <i>Discocactus estevesii</i> Diers wfo--0000651954 | 80 | <i>Discocactus nigrisaetosus</i> Buining & Brederoo wfo-- 0000651991 | 80 |
| <i>Discocactus fariae-peresii</i> P.J.Braun wfo--0001430584 .. | 80 | <i>Discocactus pachythele</i> Buining & Brederoo wfo-- 0000651992 | 81 |
| <i>Discocactus ferricola</i> Buining & Brederoo wfo-- 0000651956 | 81 | <i>Discocactus paranaensis</i> Backeb. wfo--0000651993 | 80 |
| <i>Discocactus flagriformis</i> (Zucc. ex Pfeiff.) Scheinvar wfo-- 0000651957 | 9 | | |

| | | | |
|--|-----|---|---------|
| <i>Discocactus patulifolius</i> Buining & Brederoo wfo-- 0000651994..... | 81 | <i>Discocactus zehntneri</i> subsp. <i>araneispinus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000652025 | 82 |
| <i>Discocactus petr-halfarii</i> Zachar wfo--0000509082 | 82 | <i>Discocactus zehntneri</i> subsp. <i>boomianus</i> (Buining & Brederoo) N.P.Taylor & Zappi wfo--0000652027 | 82 |
| <i>Discocactus petr-halfarii</i> Zachar wfo--0001430585 | 82 | <i>Discocactus zehntneri</i> subsp. <i>buenekeri</i> (W.R.Abraham) P.J.Braun & Esteves wfo--0000652028 | 82 |
| <i>Discocactus Pfeiff.</i> wfo--4000012130..... | 80 | <i>Discocactus zehntneri</i> subsp. <i>horstiorum</i> (P.J.Braun) P.J.Braun & Esteves wfo--0000652030 | 82 |
| <i>Discocactus piauiensis</i> P.J.Braun & Esteves wfo-- 0000651995..... | 80 | <i>Discocactus zehntneri</i> subsp. <i>petr-halfarii</i> (Zachar) M.R.Santos & M.C.Machado wfo--0001430587 | 82 |
| <i>Discocactus placentiformis</i> (Lehm.) K.Schum. wfo-- 0000651996..... | 81 | <i>Discocactus zehntneri</i> subsp. <i>zehntneri</i> wfo--0001255751 | 82 |
| <i>Discocactus placentiformis</i> subsp. <i>alteolens</i> (Lem. ex A.Dietr.) P.J.Braun & Esteves wfo--0000651998 | 81 | <i>Discocactus zehntneri</i> var. <i>albispinus</i> (Buining & Brederoo) P.J.Braun wfo--0000652022..... | 82 |
| <i>Discocactus placentiformis</i> subsp. <i>multicolorispinus</i> (P.J.Braun & Brederoo) P.J.Braun & Esteves wfo-- 0000509083..... | 82 | <i>Discocactus zehntneri</i> var. <i>araneispinus</i> (Buining & Brederoo ex J.Theun.) P.J.Braun wfo--0000652024.... | 82 |
| <i>Discocactus placentiformis</i> subsp. <i>multicolorispinus</i> P.J.Braun & Esteves wfo--0001430586..... | 82 | <i>Discocactus zehntneri</i> var. <i>boomianus</i> (Buining & Brederoo) P.J.Braun wfo--0000652026 | 82 |
| <i>Discocactus placentiformis</i> subsp. <i>pugionacanthus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000652001... 81 | 81 | <i>Discocactus zehntneri</i> var. <i>horstiorum</i> P.J.Braun wfo-- 0000652029 | 82 |
| <i>Discocactus placentiformis</i> var. <i>alteolens</i> (Lem. ex A.Dietr.) P.J.Braun & Esteves wfo--0000651997..... | 81 | <i>Disisocactus biformis</i> (Lindl.) Kunze wfo--0001430588 .. | 83 |
| <i>Discocactus placentiformis</i> var. <i>pugionacanthus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000652000 | 81 | <i>Disisocactus biformis</i> Salm-Dyck wfo--0000652204 | 83 |
| <i>Discocactus prominentigibbus</i> Diers & Esteves wfo-- 0000652002..... | 80 | <i>Disisorhopsalis</i> Doweld wfo--4000012171..... | 316 |
| <i>Discocactus pseudoinsignis</i> N.P.Taylor & Zappi wfo-- 0000652003..... | 82 | <i>Disisorhopsalis macrantha</i> (Alexander) Doweld wfo-- 0000652207 | 84, 316 |
| <i>Discocactus pseudolatispinus</i> Diers & Esteves wfo-- 0000652004..... | 82 | <i>Disocactus xcapelleanus</i> (Rother) E.Meier wfo-- 0000509084 | 390 |
| <i>Discocactus pugionacanthus</i> Buining & Brederoo wfo-- 0000652005..... | 81 | <i>Disocactus xhybridus</i> (Van Geel) Barthlott wfo-- 0000652224 | 391 |
| <i>Discocactus pulvinicapitatus</i> Buining & Brederoo wfo-- 0000652006..... | 82 | <i>Disocactus xmallisonii</i> (Otto & A.Dietr.) Barthlott wfo-- 0000652231 | 391 |
| <i>Discocactus rapirhizus</i> Buining & Brederoo wfo-- 0000652007..... | 80 | <i>Disocactus xmoennighoffii</i> (D.F.Fisch.) E.Meier wfo-- 0000509085 | 391 |
| <i>Discocactus semicampaniflorus</i> Buining & Brederoo wfo-- 0000652008..... | 81 | <i>Disocactus xviolaceus</i> (F.Sm. & T.Sm.bis ex Mast.) Barthlott wfo--0000652251 | 391 |
| <i>Discocactus silicicola</i> Buining & Brederoo wfo-- 0000652010..... | 81 | <i>Disocactus ackermannii</i> (Haw.) Ralf Bauer wfo-- 0000652208 | 83 |
| <i>Discocactus silvaticus</i> Buining & Brederoo wfo-- 0000652011..... | 80 | <i>Disocactus ackermannii</i> f. <i>candidus</i> (Alexander) Barthlott wfo--0000652209 | 83 |
| <i>Discocactus spinosior</i> Buining & Brederoo wfo-- 0000652012..... | 80 | <i>Disocactus ackermannii</i> subsp. <i>ackermannii</i> wfo-- 0001271804 | 83 |
| <i>Discocactus squamibaccatus</i> Buining & Brederoo wfo-- 0000652013..... | 81 | <i>Disocactus ackermannii</i> subsp. <i>conzattianus</i> (T.MacDoug.) Ralf Bauer wfo--0001430589 | 83 |
| <i>Discocactus subnudus</i> Britton & Rose wfo--0000652014 | 400 | <i>Disocactus ackermannii</i> subsp. <i>conzattianus</i> (T.MacDoug.) U.Guzmán wfo--0000652211..... | 83 |
| <i>Discocactus subterraneo-proliferans</i> Diers & Esteves wfo-- 0000652015..... | 81 | <i>Disocactus ackermannii</i> var. <i>ackermannii</i> wfo-- 0001258660 | 83 |
| <i>Discocactus subviridigriseus</i> Buining & Brederoo wfo-- 0000652016..... | 80 | <i>Disocactus ackermannii</i> var. <i>conzattianus</i> (T.MacDoug.) Barthlott wfo--0000652210 | 83 |
| <i>Discocactus tricornis</i> Monv. ex Pfeiff. & Otto wfo-- 0000652017..... | 81 | <i>Disocactus acuminatus</i> (Cufod.) Kimnach wfo-- 0000652212 | 317 |
| <i>Discocactus woutersianus</i> Brederoo & Broek wfo-- 0000652018..... | 81 | <i>Disocactus alatus</i> (Sw.) Kimnach wfo--0000652213 | 317 |
| <i>Discocactus zehntneri</i> Britton & Rose wfo--0000652019 82 | 82 | <i>Disocactus amazonicus</i> (K.Schum.) D.R.Hunt wfo-- 0000652214 | 317 |
| <i>Discocactus zehntneri</i> f. <i>albispinus</i> (Buining & Brederoo) Říha wfo--0000652021 | 82 | <i>Disocactus anguliger</i> (Lem.) M.A.Cruz & S.Arias wfo-- 0001430590 | 83 |
| <i>Discocactus zehntneri</i> subsp. <i>albispinus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000652023 | 82 | <i>Disocactus aurantiacus</i> (Kinnach) Barthlott wfo-- 0000652216 | 83 |
| <i>Discocactus zehntneri</i> subsp. <i>alspinus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001254262..... | 82 | <i>Disocactus aurantiacus</i> var. <i>blomianus</i> (Kinnach) E.Meier wfo--0000652217 | 85 |
| | | <i>Disocactus biformis</i> (Lindl.) Lindl. wfo--0000652218 | 82, 83 |

| | | | |
|--|-------|---|----------|
| <i>Disocactus cinnabarinus</i> (Eichlam ex Weing.) Barthlott wfo--0000652219 | 85 | <i>Disocactus speciosus</i> subsp. <i>blomianus</i> (Kimnach) Ralf Bauer wfo--0000652247 | 85 |
| <i>Disocactus crenatus</i> (Lindl.) M.A.Cruz & S.Arias wfo--0001434736 | 83 | <i>Disocactus speciosus</i> subsp. <i>cinnabarinus</i> (Eichlam ex Weing.) Ralf Bauer wfo--0000652250 | 85 |
| <i>Disocactus crenatus</i> subsp. <i>crenatus</i> wfo--0001434737 | 84 | <i>Disocactus speciosus</i> subsp. <i>heterodoxus</i> (Standl. & Steyerl.) M.A.Cruz & S.Arias wfo--0001430598 | 85 |
| <i>Disocactus crenatus</i> subsp. <i>kimnachii</i> (Bravo ex Kimnach) M.A.Cruz & S.Arias wfo--0001430591 | 84 | <i>Disocactus speciosus</i> subsp. <i>speciosus</i> wfo--0001434739 | 85 |
| <i>Disocactus eichlamii</i> (Weing.) Britton & Rose wfo--0000652220 | 84 | <i>Dolichothele</i> (K.Schum.) Britton & Rose wfo--4000012377 | 197 |
| <i>Disocactus flagelliformis</i> (L.) Barthlott wfo--0000652221 | 9 | <i>Dolichothele albescens</i> (Tiegel) Backeb. wfo--0000653419 | 205 |
| <i>Disocactus flagrififormis</i> (Zucc. ex Pfeiff.) Scheinvar wfo--0001430592 | 9 | <i>Dolichothele aylostera</i> (Werderm.) Backeb. wfo--0000653421 | 199 |
| <i>Disocactus himantocladus</i> (Rol.-Goss.) Kimnach wfo--0000652222 | 317 | <i>Dolichothele balsasoides</i> (R.T.Craig) Backeb. wfo--0000653422 | 199 |
| <i>Disocactus horichii</i> Kimnach wfo--0000652223 | 317 | <i>Dolichothele baumii</i> (Boed.) Werderm. & Buxb. wfo--0000653423 | 199 |
| <i>Disocactus kimnachii</i> G.D.Rowley wfo--0000652225 | 84 | <i>Dolichothele beneckeii</i> (Ehrenb.) Backeb. wfo--0000653424 | 199 |
| <i>Disocactus lankesteri</i> Kimnach wfo--0000652227 | 317 | <i>Dolichothele camptotricha</i> (Dams) Tiegel wfo--0001247805 | 205 |
| <i>Disocactus lepidocarpus</i> (F.A.C.Weber) M.A.Cruz & S.Arias wfo--0001430593 | 84 | <i>Dolichothele carretii</i> (Rebut ex K.Schum.) Doweld wfo--0000653425 | 202 |
| <i>Disocactus</i> Lindl. wfo--4000012175 | 9, 82 | <i>Dolichothele longimamma</i> (DC.) Britton & Rose wfo--0000653426 | 197, 217 |
| <i>Disocactus lodei</i> Veliz, L.Velásquez & R.Puente wfo--0001430594 | 84 | <i>Dolichothele longimamma</i> f. <i>gigantothele</i> (O.Berg) Krainz wfo--0001430599 | 217 |
| <i>Disocactus macdougalii</i> (Alexander) Barthlott wfo--0000652228 | 84 | <i>Dolichothele longimamma</i> f. <i>globosa</i> (Linke) Krainz wfo--0000653427 | 217 |
| <i>Disocactus macranthus</i> (Alexander) Kimnach & Hutchison wfo--0000652229 | 84 | <i>Dolichothele longimamma</i> subsp. <i>uberiformis</i> (Zucc. ex Pfeiff.) Krainz wfo--0001430600 | 217 |
| <i>Disocactus macranthus</i> var. <i>glaucocladus</i> Ewald wfo--0000652230 | 84 | <i>Dolichothele melaleuca</i> (Karw. ex Salm-Dyck) Boed. wfo--0000653428 | 221 |
| <i>Disocactus martianus</i> (Zucc.) Barthlott wfo--0000652232 | 9 | <i>Dolichothele nelsonii</i> (Britton & Rose) Backeb. wfo--0000653430 | 199 |
| <i>Disocactus nelsonii</i> (Britton & Rose) Linding. wfo--0000652233 | 84 | <i>Dolichothele sphaerica</i> (A.Dietr.) Britton & Rose wfo--0000653431 | 233 |
| <i>Disocactus nelsonii</i> subsp. <i>hondurensis</i> (Kimnach) Doweld wfo--0000652235 | 84 | <i>Dolichothele surculosa</i> (Boed.) Backeb. wfo--0000653432 | 236 |
| <i>Disocactus nelsonii</i> subsp. <i>nelsonii</i> wfo--0001434738 | 84 | <i>Dolichothele uberiformis</i> (Zucc. ex Pfeiff.) Britton & Rose wfo--0000653433 | 217 |
| <i>Disocactus nelsonii</i> var. <i>hondurensis</i> Kimnach wfo--0000652234 | 84 | <i>Dolichothele zephyranthoides</i> (Scheidw.) Backeb. wfo--0000653434 | 237 |
| <i>Disocactus nelsonii</i> var. <i>nelsonii</i> wfo--0001224368 | 84 | <i>Dracocactus</i> Y.Itô wfo--4000042670 | 112 |
| <i>Disocactus phyllanthoides</i> (DC.) Barthlott wfo--0000652236 | 84 | <i>Ebnerella angelensis</i> (R.T.Craig) Buxb. wfo--000065911048 | 49 |
| <i>Disocactus quezaltecus</i> (Standl. & Steyerl.) Kimnach wfo--0000652238 | 85 | <i>Ebnerella armillata</i> (K.Brandegee) Buxb. wfo--0000659111 | 49 |
| <i>Disocactus ramulosus</i> f. <i>angustissimus</i> (F.A.C.Weber) Kimnach wfo--0000652241 | 173 | <i>Ebnerella aureilanata</i> (Backeb.) Buxb. wfo--0000659112 | 198 |
| <i>Disocactus ramulosus</i> var. <i>angustissimus</i> (F.A.C.Weber) Kimnach wfo--0000652240 | 173 | <i>Ebnerella aurihamata</i> (Boed.) Buxb. wfo--0000659114 | 204 |
| <i>Disocactus ramulosus</i> var. <i>jamaicensis</i> (Britton & Harris) Kimnach wfo--0000652242 | 173 | <i>Ebnerella barbata</i> (Engelm.) Buxb. wfo--0000659115 | 49 |
| <i>Disocactus ramulosus</i> var. <i>ramosissima</i> Kimnach wfo--0001257247 | 173 | <i>Ebnerella baumii</i> (Boed.) Buxb. wfo--0000659116 | 199 |
| <i>Disocactus ramulosus</i> var. <i>ramosissimus</i> Kimnach wfo--0001430595 | 173 | <i>Ebnerella blossfeldiana</i> (Boed.) Buxb. wfo--0000659117 | 49 |
| <i>Disocactus salvadorensis</i> Cerén, Menjívar & S.Arias wfo--0001430596 | 85 | <i>Ebnerella bocasana</i> (Poselg.) Buxb. wfo--0000659118 | 199 |
| <i>Disocactus schrankii</i> (Zucc. ex Seitz) Barthlott wfo--0000652243 | 85 | <i>Ebnerella boedekeriana</i> (Quehl) Buxb. wfo--0000659119 | 203 |
| <i>Disocactus speciosus</i> (Cav.) Barthlott wfo--0000652244 | 85 | <i>Ebnerella bombycina</i> (Quehl) Buxb. wfo--0000659120 | 200 |
| <i>Disocactus speciosus</i> f. <i>amecamensis</i> (Heese) Barthlott wfo--0000652245 | 85 | <i>Ebnerella bullardiana</i> (H.E.Gates) Buxb. wfo--0000659121 | 49 |
| <i>Disocactus speciosus</i> subsp. <i>aurantiacus</i> (Kimnach) Ralf Bauer wfo--0000652246 | 83 | <i>Ebnerella</i> Buxb. wfo--4000012871 | 197 |
| <i>Disocactus speciosus</i> subsp. <i>bierianus</i> Ralf Bauer wfo--0001430597 | 85 | <i>Ebnerella capensis</i> (H.E.Gates) Buxb. wfo--0000659122 | 49 |

| | | | |
|--|-----|--|-----|
| <i>Ebnerella carretii</i> (Rebut ex K.Schum.) Buxb. wfo-- 0000659123..... | 202 | <i>Ebnerella occidentalis</i> (Britton & Rose) Buxb. wfo-- 0000659163..... | 221 |
| <i>Ebnerella crinita</i> (DC.) Buxb. wfo--0000659125..... | 203 | <i>Ebnerella oliviae</i> (Orcutt) Buxb. wfo--0000659164..... | 51 |
| <i>Ebnerella denudata</i> (Engelm.) Buxb. wfo--0000659126..... | 216 | <i>Ebnerella painteri</i> (Rose) Buxb. wfo--0000659165..... | 224 |
| <i>Ebnerella dioica</i> (K.Brandege) Buxb. wfo--0000659127..... | 50 | <i>Ebnerella phitaiana</i> (E.M.Baxter) Buxb. wfo-- 0000659166..... | 52 |
| <i>Ebnerella dumetorum</i> (J.A.Purpus) Buxb. wfo-- 0000659128..... | 232 | <i>Ebnerella plumosa</i> (F.A.C.Weber) Buxb. wfo--0000659167 | 226 |
| <i>Ebnerella erectohamata</i> (Boed.) Buxb. wfo--0000659129 | 204 | <i>Ebnerella posseltiana</i> (Boed.) Buxb. wfo--0000659168..... | 229 |
| <i>Ebnerella erythrosperma</i> (Boed.) Buxb. wfo--0000659130 | 207 | <i>Ebnerella prolifera</i> (Mill.) Buxb. wfo--0000659169..... | 228 |
| <i>Ebnerella essbaussieri</i> (Frič) Buxb. wfo--0000659131..... | 413 | <i>Ebnerella pubispina</i> (Boed.) Buxb. wfo--0000659170..... | 204 |
| <i>Ebnerella esshaussieri</i> (Frič) Buxb. wfo--0001430601..... | 413 | <i>Ebnerella pygmaea</i> (Britton & Rose) Buxb. wfo-- 0000659171..... | 204 |
| <i>Ebnerella fasciculata</i> (Engelm.) Buxb. wfo--0000659132..... | 92 | <i>Ebnerella rekoii</i> (Britton & Rose) Buxb. wfo--0000659172 | 229 |
| <i>Ebnerella fraileana</i> (Britton & Rose) Buxb. wfo-- 0000659133..... | 50 | <i>Ebnerella rettigiana</i> (Boed.) Buxb. wfo--0000659173..... | 229 |
| <i>Ebnerella gasseriana</i> (Boed.) Buxb. wfo--0000659134..... | 209 | <i>Ebnerella scheidweileriana</i> (Otto) Buxb. wfo--0000659174 | 207 |
| <i>Ebnerella gilensis</i> (Boed.) Buxb. wfo--0000659136..... | 229 | <i>Ebnerella schelhasii</i> (Pfeiff.) Buxb. wfo--0000659175..... | 203 |
| <i>Ebnerella glochidiata</i> (Mart.) Buxb. wfo--0000659137..... | 211 | <i>Ebnerella schiedeana</i> (Ehrenb.) Buxb. wfo--0000659176 | 232 |
| <i>Ebnerella goodrichii</i> (Scheer ex Salm-Dyck) Buxb. wfo-- 0000659138..... | 413 | <i>Ebnerella seideliana</i> (Quehl) Buxb. wfo--0000659178..... | 204 |
| <i>Ebnerella goodridgei</i> (Scheer ex Salm-Dyck) Buxb. wfo-- 0001430602..... | 50 | <i>Ebnerella sheldonii</i> (Britton & Rose) Buxb. wfo-- 0000659179..... | 53 |
| <i>Ebnerella guirocobensis</i> (R.T.Craig) Buxb. wfo-- 0000659139..... | 53 | <i>Ebnerella sinistrohamata</i> (Boed.) Buxb. wfo--0000659180 | 232 |
| <i>Ebnerella haehneliana</i> (Boed.) Buxb. wfo--0000659140..... | 200 | <i>Ebnerella solisii</i> (Britton & Rose) Buxb. wfo--0000659181 | 224 |
| <i>Ebnerella humboldtii</i> (Ehrenb.) Buxb. wfo--0000659141 | 214 | <i>Ebnerella sphacelata</i> (Mart.) Buxb. wfo--0000659182..... | 233 |
| <i>Ebnerella hutchisoniana</i> (H.E.Gates) Buxb. wfo-- 0000659142..... | 51 | <i>Ebnerella surculosa</i> (Boed.) Buxb. wfo--0000659183..... | 236 |
| <i>Ebnerella icamolensis</i> (Boed.) Buxb. wfo--0000659143..... | 200 | <i>Ebnerella swinglei</i> (Britton & Rose) Buxb. wfo-- 0000659184..... | 53 |
| <i>Ebnerella inaiiae</i> (R.T.Craig) Buxb. wfo--0000659144..... | 53 | <i>Ebnerella tacubayensis</i> (Fedde) Buxb. wfo--0000659185 | 216 |
| <i>Ebnerella insularis</i> (H.E.Gates) Buxb. wfo--0000659145..... | 51 | <i>Ebnerella trichacantha</i> (K.Schum.) Buxb. wfo-- 0000659186..... | 203 |
| <i>Ebnerella jaliscana</i> (Britton & Rose) Buxb. wfo-- 0000659147..... | 214 | <i>Ebnerella unihamata</i> (Boed.) Buxb. wfo--0000659187..... | 237 |
| <i>Ebnerella knebeliana</i> (Boed.) Buxb. wfo--0000659148..... | 200 | <i>Ebnerella verhaertiana</i> (Boed.) Buxb. wfo--0000659190..... | 52 |
| <i>Ebnerella kunzeana</i> (Boed. & Quehl) Buxb. wfo-- 0000659149..... | 199 | <i>Ebnerella viereckii</i> (Boed.) Buxb. wfo--0000659191..... | 225 |
| <i>Ebnerella lasiacantha</i> (Engelm.) Buxb. wfo--0000659150 | 216 | <i>Ebnerella weingartiana</i> (Boed.) Buxb. wfo--0000659192 | 237 |
| <i>Ebnerella longicoma</i> (Britton & Rose) Buxb. wfo-- 0000659151..... | 199 | <i>Ebnerella wilcoxii</i> (Toumey ex K.Schum.) Buxb. wfo-- 0000659193..... | 54 |
| <i>Ebnerella magallanii</i> (Schmoll ex R.T.Craig) Buxb. wfo-- 0000659152..... | 216 | <i>Ebnerella wildii</i> (A.Dietr.) Buxb. wfo--0000659194..... | 204 |
| <i>Ebnerella mainiae</i> (K.Brandege) Buxb. wfo--0000659153 | 52 | <i>Ebnerella wrightii</i> (Engelm.) Buxb. wfo--0000659195..... | 54 |
| <i>Ebnerella mazatlanensis</i> (K.Schum.) Buxb. wfo-- 0000659154..... | 221 | <i>Ebnerella yaquensis</i> (R.T.Craig) Buxb. wfo--0000659196..... | 53 |
| <i>Ebnerella mercadensis</i> (Paton) Buxb. wfo--0000659155 | 222 | <i>Ebnerella zeilmanniana</i> (Boed.) Buxb. wfo--0000659197 | 237 |
| <i>Ebnerella microcarpa</i> (Engelm.) Buxb. wfo--0000659156..... | 51 | <i>Ebnerella zephyranthoides</i> (Scheidw.) Buxb. wfo-- 0000659198..... | 237 |
| <i>Ebnerella moelleriana</i> (Boed.) Buxb. wfo--0000659157..... | 222 | <i>Eccremocactus bradei</i> Britton & Rose wfo--0000659603 | 378 |
| <i>Ebnerella monancistrina</i> (O.Berg ex K.Schum.) Buxb. wfo-- 0000659158..... | 223 | <i>Eccremocactus</i> Britton & Rose wfo--4000012889..... | 378 |
| <i>Ebnerella multiceps</i> (Salm-Dyck) Buxb. wfo--0000659159 | 228 | <i>Eccremocactus imitans</i> (Kimnach & Hutchison) Kimnach wfo--0000659604..... | 378 |
| <i>Ebnerella multiformis</i> (Britton & Rose) Buxb. wfo-- 0000659160..... | 208 | <i>Eccremocactus rosei</i> Kimnach wfo--0000659606..... | 378 |
| <i>Ebnerella multihamata</i> (Boed.) Buxb. wfo--0000659161 | 222 | <i>Eccremocereus</i> Frič & Kreuz. wfo--4000042632..... | 378 |
| <i>Ebnerella nunezii</i> (Britton & Rose) Buxb. wfo--0000659162 | 223 | <i>Echinocactus xconstrictus</i> Hildm. wfo--0000660292..... | 86 |
| | | <i>Echinocactus xcontractus</i> Hildm. wfo--0001288418..... | 86 |
| | | <i>Echinocactus acanthion</i> Salm-Dyck wfo--0000660155..... | 400 |
| | | <i>Echinocactus acanthodes</i> Lem. wfo--0000660156..... | 137 |

| | | | |
|--|-----|---|-------------|
| <i>Echinocactus acanthodes</i> var. <i>rostii</i> (Britton & Rose) Munz wfo--0000660157 | 137 | <i>Echinocactus arechavaletae</i> Speg. ex Arechav. wfo-- 0000660193 | 295 |
| <i>Echinocactus acanthostephes</i> Poselg. wfo--0000660159 | 67 | <i>Echinocactus arechavaletae</i> Speg. wfo--0001430605 . | 295, 296 |
| <i>Echinocactus aciculatus</i> Salm-Dyck wfo--0000660160 | 283 | <i>Echinocactus arechavaletai</i> Speg. wfo--0001288404 ... | 296 |
| <i>Echinocactus acifer</i> Hopffer ex C.F.Först. wfo-- 0000660161 | 352 | <i>Echinocactus arizonicus</i> R.E.Kunze wfo--0000660194 .. | 143 |
| <i>Echinocactus acifer</i> var. <i>spinus</i> (Wegener) Wegener wfo-- 0001430603 | 355 | <i>Echinocactus armatissimus</i> C.F.Först. wfo--0000660195 | 400 |
| <i>Echinocactus acroacanthus</i> Stieber wfo--0000660162 | 352 | <i>Echinocactus armatus</i> Salm-Dyck wfo--0000660196 | 245 |
| <i>Echinocactus acuatus</i> Link & Otto wfo--0000660163 | 283 | <i>Echinocactus arrectus</i> Otto ex C.F.Först. wfo--0001288405 | 352 |
| <i>Echinocactus acuatus</i> var. <i>arechavaletae</i> K.Schum. ex Speg. wfo--0000660164 | 289 | <i>Echinocactus arrigens</i> Link ex A.Dietr. wfo--0000660198 | 351 |
| <i>Echinocactus acuatus</i> var. <i>corynodes</i> (Otto ex Pfeiff.) Speg. wfo--0000660165 | 283 | <i>Echinocactus arrigens</i> var. <i>atropurpureus</i> Salm-Dyck wfo-- 0001430606 | 352 |
| <i>Echinocactus acuatus</i> var. <i>depressus</i> Speg. wfo-- 0000660166 | 283 | <i>Echinocactus arrigens</i> var. <i>xiphacanthus</i> (Miq.) Schelle wfo--0000660199 | 351 |
| <i>Echinocactus acuatus</i> var. <i>erinaceus</i> (Haw.) Speg. wfo-- 0001288402 | 283 | <i>Echinocactus aspillagae</i> Söhrens wfo--0000660200 | 113 |
| <i>Echinocactus acuatus</i> var. <i>sellowii</i> (Link & Otto) Speg. wfo-- 0000660167 | 283 | <i>Echinocactus asterias</i> var. <i>nudus</i> H.Moeller wfo-- 0000660202 | 14 |
| <i>Echinocactus acutangulus</i> Zucc. ex Pfeiff. wfo-- 0000660169 | 283 | <i>Echinocactus asterias</i> Zucc. wfo--0000660201 | 14 |
| <i>Echinocactus acutispinus</i> Hildm. wfo--0001288403 | 400 | <i>Echinocactus asterioides</i> (Werderm.) Blossf. wfo-- 0000660203 | 144 |
| <i>Echinocactus acutissimus</i> Otto & A.Dietr. wfo-- 0000660170 | 125 | <i>Echinocactus aulacogonus</i> Lem. wfo--0000660204 | 87 |
| <i>Echinocactus acutissimus</i> var. <i>cristatus</i> C.F.Först. wfo-- 0000738757 | 126 | <i>Echinocactus aulacogonus</i> var. <i>diacopaulax</i> Lem. wfo-- 0000660205 | 87 |
| <i>Echinocactus adversispinus</i> Muehlenpf. wfo--0000660171 | 400 | <i>Echinocactus aurantiacus</i> Vaupel wfo--0000660206 | 238 |
| <i>Echinocactus agglomeratus</i> Karw. ex Pfeiff. wfo-- 0000660172 | 142 | <i>Echinocactus auratus</i> Pfeiff. wfo--0000660208 | 113 |
| <i>Echinocactus alamosanus</i> Britton & Rose wfo-- 0000660173 | 136 | <i>Echinocactus aureicentra</i> Backeb. wfo--0000660209 | 413 |
| <i>Echinocactus albatrus</i> A.Dietr. wfo--0000660174 | 355 | <i>Echinocactus aureus</i> (Meyen) Pfeiff. wfo--0000660210 | 60 |
| <i>Echinocactus allardianus</i> A.Dietr. wfo--0000660175 | 352 | <i>Echinocactus bahiensis</i> (Britton & Rose) Luetzelb. wfo-- 0000660211 | 80 |
| <i>Echinocactus alteolens</i> (Lem. ex A.Dietr.) K.Schum. wfo-- 0000660178 | 81 | <i>Echinocactus baldianus</i> Speg. wfo--0000660212 | 150 |
| <i>Echinocactus alteolens</i> Lem. wfo--0000660176 | 81 | <i>Echinocactus barcelona</i> Walton wfo--0001288406 | 422 |
| <i>Echinocactus amambayensis</i> Werderm. wfo--0000660179 | 291 | <i>Echinocactus beguinii</i> F.A.C.Weber ex K.Schum. wfo-- 0000660213 | 337 |
| <i>Echinocactus amazonicus</i> Witt wfo--0000660180 | 400 | <i>Echinocactus berteroi</i> (Colla) Gay wfo--0000660214 | 125 |
| <i>Echinocactus ambiguus</i> Hildm. ex K.Schum. wfo-- 0000660181 | 57 | <i>Echinocactus bertinii</i> (J.F.Cels) A.Berger wfo--0000660215 | 16 |
| <i>Echinocactus ancylacanthus</i> Monv. ex Labour. wfo-- 0000660182 | 143 | <i>Echinocactus biceras</i> Jacobi wfo--0000660216 | 354 |
| <i>Echinocactus andreae</i> Boed. wfo--0000660183 | 149 | <i>Echinocactus bicolor</i> f. <i>bolaensis</i> (Runge) Schelle wfo-- 0000660221 | 365 |
| <i>Echinocactus anfractuosus</i> Mart. ex Pfeiff. wfo-- 0000660184 | 351 | <i>Echinocactus bicolor</i> f. <i>pottsii</i> (Salm-Dyck) Voss wfo-- 0001430607 | 142 |
| <i>Echinocactus anfractuosus</i> var. <i>ensiferus</i> (Lem.) Salm-Dyck wfo--0000660185 | 351 | <i>Echinocactus bicolor</i> f. <i>tricolor</i> (K.Schum.) Schelle wfo-- 0000660223 | 364 |
| <i>Echinocactus anfractuosus</i> var. <i>pentacanthus</i> (Lem.) Salm- Dyck wfo--0000660186 | 354 | <i>Echinocactus bicolor</i> Galeotti ex Pfeiff. wfo--0000660217 | 364 |
| <i>Echinocactus anfractuosus</i> var. <i>spiniosior</i> Monv. ex Lem. wfo--0001430604 | 352 | <i>Echinocactus bicolor</i> var. <i>bolaensis</i> (Runge) K.Schum. wfo-- 0000660220 | 365 |
| <i>Echinocactus anisitsii</i> K.Schum. wfo--0000660188 | 150 | <i>Echinocactus bicolor</i> var. <i>montemorelanus</i> F.A.C.Weber wfo--0001430608 | 364 |
| <i>Echinocactus apricus</i> Arechav. wfo--0000660189 | 281 | <i>Echinocactus bicolor</i> var. <i>pottsii</i> Salm-Dyck wfo-- 0001430609 | 142 |
| <i>Echinocactus arachnoideus</i> Scheidw. wfo--0000660190 | 87 | <i>Echinocactus bicolor</i> var. <i>schottii</i> Engelm. wfo-- 0001430610 | 364 |
| <i>Echinocactus araneifer</i> Lem. ex Labour. wfo--0000660191 | 122 | <i>Echinocactus bicolor</i> var. <i>tricolor</i> K.Schum. wfo-- 0000660222 | 364 |
| <i>Echinocactus araneolaris</i> Rchb. ex Walp. wfo-- 0000660192 | 295 | <i>Echinocactus bicolor</i> var. <i>typicus</i> Gürke wfo--0001430611 | 365 |
| | | <i>Echinocactus bodenbenderianus</i> Hosseus ex A.Berger wfo-- 0001289281 | 150 |

| | | | |
|---|-----|---|-----|
| <i>Echinocactus boedekerianus</i> A.Berger wfo---0000660225 | 351 | <i>Echinocactus catamarcensis</i> var. <i>pallida</i> Speg. wfo--- 0000660260 | 291 |
| <i>Echinocactus bolaensis</i> Runge wfo---0000660227 | 365 | <i>Echinocactus cataphractus</i> Dams wfo---0000660261 | 144 |
| <i>Echinocactus bolivianus</i> Pfeiff. wfo---0000660228 | 56 | <i>Echinocactus celsianus</i> Labour. ex K.Schum. wfo--- 0001288411 | 153 |
| <i>Echinocactus borchersii</i> Boed. wfo---0000660229 | 277 | <i>Echinocactus centeterius</i> f. <i>pachycentrus</i> (Lehm. ex Pfeiff.) Schelle wfo---0001430614 | 401 |
| <i>Echinocactus boutillieri</i> Parm. ex Pfeiff. wfo---0000660230 | 108 | <i>Echinocactus centeterius</i> Lehm. ex Pfeiff. wfo--- 0000660262 | 413 |
| <i>Echinocactus brachyanthus</i> Gürke wfo---0000660231 ... | 157 | <i>Echinocactus centeterius</i> var. <i>major</i> Lem. & Monv. wfo--- 0000660263 | 400 |
| <i>Echinocactus brachycentrus</i> Salm-Dyck wfo---0000660232 | 400 | <i>Echinocactus centeterius</i> var. <i>pachycentrus</i> (Lehm. ex Pfeiff.) Salm-Dyck wfo---0001430615 | 401 |
| <i>Echinocactus brachycentrus</i> var. <i>oligacanthus</i> Salm-Dyck wfo---0001430612 | 413 | <i>Echinocactus cephalophorus</i> Poselg. wfo---0000660264 198 | |
| <i>Echinocactus brachypetalus</i> (Speg.) Werderm. wfo--- 0000660233 | 154 | <i>Echinocactus ceratistes</i> Otto ex Pfeiff. wfo---0000660265 | 113 |
| <i>Echinocactus brasiliensis</i> (Speg.) Werderm. wfo--- 0000660234 | 290 | <i>Echinocactus cerebriiformis</i> Macloskie wfo---0001288412 | 400 |
| <i>Echinocactus brevihamatus</i> Engelm. wfo---0000660235 336 | | <i>Echinocactus cereiformis</i> DC. wfo---0000660266 | 400 |
| <i>Echinocactus brevimmamus</i> Poselg. wfo---0000660237 .. | 64 | <i>Echinocactus chereauianus</i> J.F.Cels wfo---0001288413 183 | |
| <i>Echinocactus bridgesii</i> Pfeiff. wfo---0000660238 | 58 | <i>Echinocactus chilensis</i> f. <i>confinis</i> (Hildm.) Schelle wfo--- 0000660270 | 114 |
| <i>Echinocactus buchheimianus</i> Haage wfo---0001288408 400 | | <i>Echinocactus chilensis</i> Hildm. ex K.Schum. wfo--- 0000660268 | 114 |
| <i>Echinocactus buekii</i> Klein bis wfo---0000660239 | 365 | <i>Echinocactus chilensis</i> var. <i>confinis</i> Hildm. wfo--- 0000660269 | 114 |
| <i>Echinocactus bulbocalyx</i> Werderm. wfo---0001289282. 114 | | <i>Echinocactus chionanthus</i> Speg. wfo---0000660271 | 4 |
| <i>Echinocactus cachensis</i> (Speg.) Speg. wfo---0000660240 | 106 | <i>Echinocactus chlorophthalmus</i> Hook. wfo---0001430616 90 | |
| <i>Echinocactus cachetianus</i> (Labour.) Hildm. wfo--- 0000745110 | 368 | <i>Echinocactus chlorophthalmus</i> Hook. wfo---0000660272 . 90 | |
| <i>Echinocactus caespititius</i> Pfeiff. ex Salm-Dyck wfo--- 0000660241 | 172 | <i>Echinocactus chrysacanthion</i> K.Schum. wfo---0000660273 | 281 |
| <i>Echinocactus caespitosus</i> Speg. wfo---0000660242 | 281 | <i>Echinocactus chrysacanthus</i> Orcutt wfo---0000660274. 137 | |
| <i>Echinocactus californicus</i> Monv. ex Labour. wfo--- 0000660243 | 403 | <i>Echinocactus cinerascens</i> Salm-Dyck wfo---0000660275. 57 | |
| <i>Echinocactus calochlorus</i> Boed. wfo---0000660244 | 152 | <i>Echinocactus cinereus</i> Phil. wfo---0000660276 | 57 |
| <i>Echinocactus campylacanthus</i> Scheidw. wfo---0000660245 | 141 | <i>Echinocactus cinnabarinus</i> Hook. wfo---0000660277 | 183 |
| <i>Echinocactus candicans</i> Pfeiff. wfo---0000660246 | 346 | <i>Echinocactus cinnabarinus</i> var. <i>spiniosior</i> Salm-Dyck wfo--- 0000660279 | 183 |
| <i>Echinocactus candidus</i> Lawr. wfo---0000660248 | 413 | <i>Echinocactus clava</i> (Pfeiff.) Poselg. wfo---0000660280 ... | 65 |
| <i>Echinocactus capillaense</i> Schick wfo---0001256192 | 152 | <i>Echinocactus clavatus</i> Söhrens ex K.Schum. wfo--- 0000660281 | 115 |
| <i>Echinocactus capillensis</i> Schick wfo---0001430613 | 152 | <i>Echinocactus clavus</i> (Pfeiff.) Poselg. wfo---0001288414 .. | 65 |
| <i>Echinocactus capricornis</i> A.Dietr. wfo---0000660249 | 14 | <i>Echinocactus coccineus</i> Pfeiff. wfo---0000660282 | 80 |
| <i>Echinocactus capricornis</i> f. <i>minor</i> (Runge & Quehl) Schelle wfo---0000660252 | 14 | <i>Echinocactus colombianus</i> Werderm. wfo---0000660283 | 145 |
| <i>Echinocactus capricornis</i> var. <i>crassispinus</i> H.Moeller wfo--- 0000660250 | 14 | <i>Echinocactus columnaris</i> Pfeiff. wfo---0000660284 | 59 |
| <i>Echinocactus capricornis</i> var. <i>major</i> Pichon wfo--- 0000738760 | 14 | <i>Echinocactus concinnus</i> Monv. wfo---0000660285 | 281 |
| <i>Echinocactus capricornis</i> var. <i>minor</i> Runge & Quehl wfo--- 0000660251 | 14 | <i>Echinocactus concinnus</i> var. <i>joadii</i> (Hook.f.) Arechav. wfo--- 0000660286 | 281 |
| <i>Echinocactus capricornis</i> var. <i>niveus</i> K.Kayser wfo--- 0000660253 | 14 | <i>Echinocactus concinnus</i> var. <i>tabularis</i> F.Cels ex Rümpler wfo---0000660287 | 281 |
| <i>Echinocactus capricornus</i> var. <i>aureus</i> H.Moeller wfo--- 0000660254 | 14 | <i>Echinocactus confertus</i> C.F.Först. wfo---0001288415 | 400 |
| <i>Echinocactus capricornus</i> var. <i>senilis</i> Frič wfo--- 0000660255 | 14 | <i>Echinocactus confusus</i> Britton wfo---0001254468 | 353 |
| <i>Echinocactus castaneoides</i> Cels ex Salm-Dyck wfo--- 0000660256 | 126 | <i>Echinocactus conglomeratus</i> Phil. wfo---0000660288 | 57 |
| <i>Echinocactus castaniensis</i> F.A.C.Weber wfo---0001288410 | 413 | <i>Echinocactus conimamma</i> Linke ex K.Schum. wfo--- 0001288416 | 413 |
| <i>Echinocactus castaniensis</i> Miers wfo---0001288409 | 413 | <i>Echinocactus conoideus</i> (DC.) Poselg. wfo---0000660290 50 | |
| <i>Echinocactus catamarcensis</i> Speg. wfo---0000660257 ... | 125 | <i>Echinocactus conothelos</i> Regel & Klein bis wfo--- 0000660291 | 365 |
| <i>Echinocactus catamarcensis</i> var. <i>obscura</i> Speg. wfo--- 0000660259 | 291 | <i>Echinocactus conquades</i> C.F.Först. wfo---0001288417 .. | 413 |
| | | <i>Echinocactus copiapensis</i> Pfeiff. wfo---0000660293 | 57 |
| | | <i>Echinocactus copoldi</i> K.Schum. wfo---0001288419 | 137 |
| | | <i>Echinocactus coptonogonus</i> Lem. wfo---0000660294 ... | 351 |

| | | | |
|--|-----|---|-----|
| <i>Echinocactus coptonogonus</i> var. <i>major</i> Lem. wfo-- 0001430617..... | 351 | <i>Echinocactus curvicornis</i> Miq. wfo--0000660321 | 140 |
| <i>Echinocactus coquimbano</i> Karw. ex Rümpler wfo-- 0000660295..... | 57 | <i>Echinocactus curvispinus</i> (Bertero ex Colla) Gay wfo-- 0000660322 | 115 |
| <i>Echinocactus cornifer</i> (DC.) Poselg. wfo--0000660296.... | 62 | <i>Echinocactus cylindraceus</i> Engelm. wfo--0000660323 . | 143 |
| <i>Echinocactus cornifer</i> var. <i>impexicomus</i> (Lem.) Poselg. wfo-- --0000738761 | 63 | <i>Echinocactus dadakii</i> Frič ex A.Berger wfo--0000660324 | 146 |
| <i>Echinocactus cornifer</i> var. <i>longisetus</i> Poselg. wfo-- 0000738762..... | 63 | <i>Echinocactus damsii</i> K.Schum. wfo--0000660325..... | 150 |
| <i>Echinocactus cornifer</i> var. <i>muticus</i> Poselg. wfo-- 0000738763..... | 63 | <i>Echinocactus darrahii</i> K.Schum. wfo--0001288422 | 400 |
| <i>Echinocactus cornifer</i> var. <i>nigricans</i> Poselg. wfo-- 0000738764..... | 63 | <i>Echinocactus debilispinus</i> A.Berg wfo--0000660326.... | 400 |
| <i>Echinocactus cornifer</i> var. <i>raphidacanthus</i> (Lem.) Poselg. wfo--0000738765 | 62 | <i>Echinocactus decaisneanus</i> (Lem.) Steud. wfo-- 0001430620 | 108 |
| <i>Echinocactus cornifer</i> var. <i>scolymoides</i> (Scheidw.) Poselg. wfo--0000738766..... | 62 | <i>Echinocactus decaisnei</i> (Lem.) Steud. wfo--0000660327 | 108 |
| <i>Echinocactus corniger</i> DC. wfo--0000660297..... | 140 | <i>Echinocactus deflexispinus</i> Gruson wfo--0001288427.. | 139 |
| <i>Echinocactus corniger</i> f. <i>flavispinus</i> (J.N.Haage ex C.F.Först.) Schelle wfo--0000660300..... | 141 | <i>Echinocactus delaetii</i> K.Schum. wfo--0000660328 | 161 |
| <i>Echinocactus corniger</i> var. <i>flavispinus</i> J.N.Haage ex C.F.Först. wfo--0000660298 | 141 | <i>Echinocactus deminutus</i> (F.A.C.Weber) Gürke wfo-- 0001288428 | 19 |
| <i>Echinocactus corniger</i> var. <i>latispinus</i> (Haw.) Voss wfo-- 0001288843..... | 140 | <i>Echinocactus densus</i> Steud. wfo--0001288429..... | 207 |
| <i>Echinocactus corniger</i> var. <i>latispinus</i> C.F.Först. wfo-- 0000738767..... | 141 | <i>Echinocactus denudatus</i> f. <i>andersohnianus</i> (F.Haage) Schelle wfo--0000660332 | 158 |
| <i>Echinocactus corniger</i> var. <i>rubrispinosus</i> DC. wfo-- 0000738768..... | 141 | <i>Echinocactus denudatus</i> f. <i>bruennowianus</i> (F.Haage) Schelle wfo--0000660335 | 158 |
| <i>Echinocactus cornigerus</i> DC. wfo--0001034391 | 140 | <i>Echinocactus denudatus</i> f. <i>delatianus</i> (F.Haage) Schelle wfo--0000660338 | 153 |
| <i>Echinocactus corrugatus</i> (Gillies ex Loudon) Steud. wfo-- 0000660301..... | 8 | <i>Echinocactus denudatus</i> f. <i>heuschkehanus</i> (J.N.Haage) Schelle wfo--0000660341 | 158 |
| <i>Echinocactus corynacanthus</i> Scheidw. wfo--0000660302 | 174 | <i>Echinocactus denudatus</i> f. <i>meiklejohnianus</i> (F.Haage) Schelle wfo--0000660346 | 158 |
| <i>Echinocactus corynodes</i> Otto ex Pfeiff. wfo--0000660303 | 283 | <i>Echinocactus denudatus</i> f. <i>octogonus</i> (K.Schum.) Schelle wfo--0000660348 | 153 |
| <i>Echinocactus coulteri</i> G.Don wfo--0000660304 | 140 | <i>Echinocactus denudatus</i> f. <i>roseiflorus</i> (Hildm. ex K.Schum.) Schelle wfo--0000660350 | 158 |
| <i>Echinocactus courantianus</i> Lem. ex Labour. wfo-- 0000660305..... | 171 | <i>Echinocactus denudatus</i> f. <i>scheidelianus</i> (F.Haage) Schelle wfo--0000660353 | 158 |
| <i>Echinocactus courantii</i> Lem. wfo--0000660306 | 284 | <i>Echinocactus denudatus</i> f. <i>wagnerianus</i> (F.Haage) Schelle wfo--0000660355 | 159 |
| <i>Echinocactus covillei</i> (Britton & Rose) A.Berger wfo-- 0000660307..... | 138 | <i>Echinocactus denudatus</i> f. <i>wieditzianus</i> (F.Haage) Schelle wfo--0000660357 | 159 |
| <i>Echinocactus coxii</i> K.Schum. wfo--0000660308 | 16 | <i>Echinocactus denudatus</i> Link & Otto wfo--0000660329 | 153 |
| <i>Echinocactus crassihamatus</i> F.A.C.Weber wfo-- 0000660310..... | 141 | <i>Echinocactus denudatus</i> var. <i>andersohnianus</i> F.Haage wfo-- --0000660331..... | 158 |
| <i>Echinocactus crenatus</i> Pfeiff. wfo--0000660311 | 126 | <i>Echinocactus denudatus</i> var. <i>anisitsii</i> Frič wfo-- 0000660333 | 159 |
| <i>Echinocactus criocereus</i> Lem. wfo--0001288420 | 400 | <i>Echinocactus denudatus</i> var. <i>bruennowianus</i> F.Haage wfo-- -0000660334 | 158 |
| <i>Echinocactus criocerus</i> Lem. ex Labour. wfo--0000660312 | 400 | <i>Echinocactus denudatus</i> var. <i>brumoviana</i> F.Haage wfo-- 0000660336 | 158 |
| <i>Echinocactus crispatus</i> DC. wfo--0000660313 | 351 | <i>Echinocactus denudatus</i> var. <i>delatianus</i> F.Haage wfo-- 0000660337 | 153 |
| <i>Echinocactus crispatus</i> var. <i>horridus</i> DC. wfo--0001430618 | 351 | <i>Echinocactus denudatus</i> var. <i>flavispinus</i> Schelle wfo-- 0000738770 | 159 |
| <i>Echinocactus cristatus</i> Lawr. wfo--0000660314 | 413 | <i>Echinocactus denudatus</i> var. <i>golzianus</i> F.Haage wfo-- 0000660339 | 158 |
| <i>Echinocactus ctenoides</i> (Engelm.) Lem. wfo--0000660315 | 91 | <i>Echinocactus denudatus</i> var. <i>heuschkelianus</i> F.Haage wfo-- -0000660342..... | 158 |
| <i>Echinocactus cumingii</i> Hopffer wfo--0000660316 | 384 | <i>Echinocactus denudatus</i> var. <i>intermedius</i> Hildm. wfo-- 0000660343 | 153 |
| <i>Echinocactus cumingii</i> Regel & Klein bis wfo--0000660317 | 384 | <i>Echinocactus denudatus</i> var. <i>leheideliana</i> F.Haage wfo-- 0000660344 | 153 |
| <i>Echinocactus cumingii</i> var. <i>flavispinus</i> Dams wfo-- 0001430619..... | 384 | <i>Echinocactus denudatus</i> var. <i>meiklejohnianus</i> F.Haage wfo-- --0000660345..... | 158 |
| <i>Echinocactus cupreatus</i> Poselg. ex Rümpler wfo-- 0000660320..... | 58 | | |
| <i>Echinocactus cupulatus</i> C.F.Först. wfo--0001288421.... | 400 | | |

| | | | |
|---|-----|---|-----|
| <i>Echinocactus denudatus</i> var. <i>multiflorus</i> Quézel, M.Barbero & R.J.Loisel wfo---0000738771..... | 159 | <i>Echinocactus elephantidens</i> (Lem.) Poselg. wfo--- 0000660384..... | 63 |
| <i>Echinocactus denudatus</i> var. <i>octogonus</i> K.Schum. wfo--- 0000660347..... | 153 | <i>Echinocactus ellemeetii</i> Miq. wfo---0000660385..... | 413 |
| <i>Echinocactus denudatus</i> var. <i>paraguayensis</i> (K.Schum.) Schelle wfo---0000738772..... | 158 | <i>Echinocactus ellipticus</i> Lem. wfo---0000660386..... | 364 |
| <i>Echinocactus denudatus</i> var. <i>roseiflorus</i> Hildm. ex K.Schum. wfo---0000660349..... | 158 | <i>Echinocactus emoryi</i> Engelm. wfo---0000660387..... | 138 |
| <i>Echinocactus denudatus</i> var. <i>scheidelianus</i> F.Haage wfo--- 0000660352..... | 158 | <i>Echinocactus emoryi</i> f. <i>rectispinus</i> (Engelm. ex J.M.Coult.) Schelle wfo---0000660389..... | 138 |
| <i>Echinocactus denudatus</i> var. <i>typica</i> K.Schum. wfo--- 0001430621..... | 153 | <i>Echinocactus emoryi</i> var. <i>chrysacanthus</i> (Orcutt) K.Schum. wfo---0000738774..... | 400 |
| <i>Echinocactus denudatus</i> var. <i>wagnerianus</i> F.Haage wfo--- 0000660354..... | 159 | <i>Echinocactus emoryi</i> var. <i>rectispinus</i> Engelm. ex J.M.Coult. wfo---0000660388..... | 138 |
| <i>Echinocactus denudatus</i> var. <i>wieditzianus</i> F.Haage wfo--- 0000660356..... | 159 | <i>Echinocactus ensifer</i> Lem. wfo---0000660390..... | 351 |
| <i>Echinocactus depressus</i> (Haw.) DC. wfo---0000660358..... | 283 | <i>Echinocactus ensifer</i> var. <i>pallidus</i> C.F.Först. wfo--- 0001430622..... | 352 |
| <i>Echinocactus dichroacanthus</i> Mart. ex Pfeiff. wfo--- 0000660359..... | 352 | <i>Echinocactus ensiferus</i> Lem. wfo---0001034392..... | 351 |
| <i>Echinocactus dicracanthus</i> Hortus ex Forbes wfo--- 0001288430..... | 400 | <i>Echinocactus equitans</i> Scheidw. wfo---0000660391..... | 86 |
| <i>Echinocactus dietrichianus</i> C.F.Först. wfo---0000660360 | 138 | <i>Echinocactus erectocentrus</i> J.M.Coult. wfo---0000660392 | 337 |
| <i>Echinocactus dietrichii</i> Heynh. wfo---0000660362..... | 352 | <i>Echinocactus erectus</i> Poselg. wfo---0000660394..... | 64 |
| <i>Echinocactus diguetii</i> F.A.C.Weber wfo---0000660363..... | 137 | <i>Echinocactus erinaceus</i> (Haw.) Lem. wfo---0000660395..... | 283 |
| <i>Echinocactus disciformis</i> (DC.) K.Schum. wfo---0000660364 | 360 | <i>Echinocactus erubescens</i> Osten wfo---0000660396..... | 285 |
| <i>Echinocactus dolichacanthus</i> Lem. wfo---0000660365..... | 138 | <i>Echinocactus escayachensis</i> Vaupel wfo---0000660397..... | 289 |
| <i>Echinocactus dolichacanthus</i> var. <i>minor</i> Lem. wfo--- 0000660366..... | 138 | <i>Echinocactus exsculptus</i> Otto ex Pfeiff. wfo---0000660398 | 126 |
| <i>Echinocactus dolichocentrus</i> Salm-Dyck wfo---0001288431 | 138 | <i>Echinocactus exsculptus</i> var. <i>cristatus</i> C.F.Först. wfo--- 0000738776..... | 126 |
| <i>Echinocactus drageanus</i> Moerder wfo---0001288432..... | 366 | <i>Echinocactus exsculptus</i> var. <i>dichroacanthus</i> (Mart. ex Pfeiff.) Salm-Dyck wfo---0000660399..... | 352 |
| <i>Echinocactus droegeanus</i> Hildm. ex Schumann wfo--- 0001288433..... | 366 | <i>Echinocactus exsculptus</i> var. <i>elatior</i> C.F.Först. wfo--- 0000738777..... | 126 |
| <i>Echinocactus dumelianus</i> Cels ex Salm-Dyck wfo--- 0000660368..... | 397 | <i>Echinocactus exsculptus</i> var. <i>foveolatus</i> (J.N.Haage ex Pfeiff.) Salm-Dyck wfo---0000660400..... | 126 |
| <i>Echinocactus durangensis</i> Runge wfo---0000660369..... | 339 | <i>Echinocactus exsculptus</i> var. <i>fulvispinus</i> C.F.Först. wfo--- 0000738778..... | 126 |
| <i>Echinocactus ebenacanthus</i> Monv. ex Labour. wfo--- 0000660370..... | 123 | <i>Echinocactus exsculptus</i> var. <i>tenuispinus</i> C.F.Först. wfo--- 0000738779..... | 126 |
| <i>Echinocactus ebenacanthus</i> var. <i>minor</i> Labour. wfo--- 0000660372..... | 123 | <i>Echinocactus exsculptus</i> var. <i>thrinogonus</i> C.F.Först. wfo--- 0000738780..... | 126 |
| <i>Echinocactus echidne</i> DC. wfo---0000660373..... | 138 | <i>Echinocactus eyriesii</i> Turpin wfo---0000660401..... | 108 |
| <i>Echinocactus echidne</i> f. <i>gilvus</i> (A.Dietr.) K.Schum. wfo--- 0000660375..... | 138 | <i>Echinocactus eyriesii</i> var. <i>glaucus</i> Lindl. wfo---0000660402 | 108 |
| <i>Echinocactus echidne</i> var. <i>gilvus</i> (A.Dietr.) Salm-Dyck wfo--- -0000660374..... | 138 | <i>Echinocactus falconeri</i> Orcutt wfo---0000660404..... | 143 |
| <i>Echinocactus echinatus</i> J.Forbes wfo---0001288434..... | 400 | <i>Echinocactus famatinensis</i> Speg. wfo---0000660405..... | 325 |
| <i>Echinocactus echinoides</i> Lem. ex Salm-Dyck wfo--- 0000660376..... | 58 | <i>Echinocactus farinosus</i> C.F.Först. wfo---0000660406..... | 356 |
| <i>Echinocactus edulis</i> Haage ex C.F.Först. wfo---0000660377 | 87 | <i>Echinocactus fascicularis</i> (Meyen) Steud. wfo--- 0000660407..... | 163 |
| <i>Echinocactus ehrenbergii</i> Pfeiff. wfo---0000660378..... | 367 | <i>Echinocactus fennellii</i> F.Haage ex K.Schum. wfo--- 0001288435..... | 160 |
| <i>Echinocactus elachisanthus</i> F.A.C.Weber wfo--- 0000660379..... | 286 | <i>Echinocactus ferox</i> Spreng. wfo---0001288436..... | 154 |
| <i>Echinocactus elatior</i> Lem. wfo---0001288509..... | 413 | <i>Echinocactus fidaianus</i> Backeb. wfo---0000660408..... | 382 |
| <i>Echinocactus electracanthus</i> Lem. wfo---0000660380..... | 140 | <i>Echinocactus fiebrigii</i> Gürke wfo---0000660409..... | 20 |
| <i>Echinocactus electracanthus</i> var. <i>haematacanthus</i> Salm- Dyck wfo---0000660381..... | 139 | <i>Echinocactus fiedlerianus</i> K.Schum. wfo---0000660410..... | 58 |
| <i>Echinocactus electracanthus</i> var. <i>rufispinus</i> Müll.Arg. wfo--- -0000738773..... | 140 | <i>Echinocactus fischeri</i> Pfeiff. wfo---0000660411..... | 245 |
| <i>Echinocactus elegans</i> Pfeiff. wfo---0000660383..... | 413 | <i>Echinocactus flavicoma</i> Endl. wfo---0001288437..... | 400 |
| | | <i>Echinocactus flavispinus</i> Meinsh. wfo---0000660412..... | 139 |
| | | <i>Echinocactus flavovirens</i> Scheidw. wfo---0000660413..... | 138 |
| | | <i>Echinocactus flexispinus</i> Engelm. wfo---0000660415..... | 139 |
| | | <i>Echinocactus flexispinus</i> Salm-Dyck wfo---0000660416..... | 139 |
| | | <i>Echinocactus flexuosus</i> A.Dietr. wfo---0000660417..... | 400 |
| | | <i>Echinocactus floricomus</i> Arechav. wfo---0000660418..... | 290 |
| | | <i>Echinocactus fluctuosus</i> A.Dietr. wfo---0000660419..... | 400 |
| | | <i>Echinocactus fobeanus</i> Mieckley wfo---0000660420..... | 124 |

| | | | | |
|---|-------------------------------|--|--|--|
| <i>Echinocactus foersteri</i> Stieber wfo--0000660421 | 413 | <i>Echinocactus gibbosus</i> var. <i>nobilis</i> (Haw.) K.Schum. wfo-- | 0000660455 | 160 |
| <i>Echinocactus foliosus</i> (Gillies ex Loudon) Steud. wfo-- | 0000660422 | 408 | <i>Echinocactus gibbosus</i> var. <i>nobilis</i> Monv. ex Lem. wfo-- | 0001434741 |
| <i>Echinocactus forbesii</i> Lehm. wfo--0000660423 | 3 | 160 | <i>Echinocactus gibbosus</i> var. <i>platensis</i> (Speg.) J.G.Lamb. wfo-- | 0001289288 |
| <i>Echinocactus fordii</i> Orcutt wfo--0000660424 | 138 | 160 | <i>Echinocactus gibbosus</i> var. <i>platensis</i> (Speg.) Speg. wfo-- | 0000660457 |
| <i>Echinocactus formosus</i> Pfeiff. wfo--0000660427 | 347 | 160 | <i>Echinocactus gibbosus</i> var. <i>pluricostatus</i> C.F.Först. wfo-- | 0000738785 |
| <i>Echinocactus formosus</i> var. <i>crassispinus</i> Monv. ex Labour. | wfo--0000738781 | 347 | <i>Echinocactus gibbosus</i> var. <i>polygonus</i> K.Schum. wfo-- | 0000660459 |
| <i>Echinocactus försteri</i> Stieber wfo--0001430623 | 400 | 154 | <i>Echinocactus gibbosus</i> var. <i>schlumbergeri</i> K.Schum. wfo-- | 0001434742 |
| <i>Echinocactus fassulatus</i> Scheidw. wfo--0000660428 | 366 | 154 | <i>Echinocactus gibbosus</i> var. <i>schlumbergeri</i> Rümpler wfo-- | 0000660460 |
| <i>Echinocactus fassulatus</i> var. <i>quadrispinus</i> Regel wfo-- | 0001430624 | 366 | <i>Echinocactus gibbosus</i> var. <i>typica</i> Speg. wfo--0001430625 | ..... |
| <i>Echinocactus foveolatus</i> (J.N.Haage ex Pfeiff.) Salm-Dyck | wfo--0000660429 | 126 | 154 | <i>Echinocactus gibbosus</i> var. <i>ventanicola</i> Speg. wfo-- |
| <i>Echinocactus fricii</i> Arechav. wfo--0000660430 | 284 | 160 | <i>Echinocactus gielsdorfianus</i> Werderm. wfo--0000660463 | ..... |
| <i>Echinocactus froehlichianus</i> K.Schum. wfo--0000660431 | ..... | 116 | <i>Echinocactus gigas</i> Pfeiff. ex C.F.Först. wfo--0001288438 | ..... |
| <i>Echinocactus fuscus</i> Muehlenpf. wfo--0000660432 | 123 | 400 | <i>Echinocactus gilliesii</i> Salm-Dyck wfo--0001288439 | 347 |
| <i>Echinocactus galeottii</i> Scheidw. wfo--0000660433 | 174 | 347 | <i>Echinocactus gilvus</i> A.Dietr. wfo--0000660464 | 138 |
| <i>Echinocactus gayanus</i> Lem. wfo--0000660434 | 126 | 400 | <i>Echinocactus glabrescens</i> F.A.C.Weber wfo--0001288443 | ..... |
| <i>Echinocactus geissei</i> Poselg. ex K.Schum. wfo-- | 0000660435 | 115 | 400 | <i>Echinocactus gladiatus</i> Link & Otto wfo--0000660465 |
| <i>Echinocactus geissei</i> var. <i>albicans</i> Hildm. wfo-- | 0000660436 | 115 | 355 | <i>Echinocactus glanduliger</i> Poselg. wfo--0001288440 |
| <i>Echinocactus gemmatus</i> Otto wfo--0000660438 | 108 | 64 | <i>Echinocactus glanduligerus</i> Poselg. wfo--0000660466 | 66 |
| <i>Echinocactus gerardii</i> F.A.C.Weber wfo--0000660439 | 139 | 138 | <i>Echinocactus glaucescens</i> DC. wfo--0000660467 | 138 |
| <i>Echinocactus ghiesbreghtii</i> Salm-Dyck wfo--0000660440 | 15 | 337 | <i>Echinocactus glaucus</i> K.Schum. wfo--0000660470 | 337 |
| <i>Echinocactus ghiesbreghtianus</i> Lem. wfo--0000660441 | 87 | 372 | <i>Echinocactus glaucus</i> Karw. ex Pfeiff. wfo--0000660469 | ..... |
| <i>Echinocactus gibbosus</i> (Haw.) DC. wfo--0000660442 | 153 | 400 | <i>Echinocactus gracilis</i> Hort. ex C.F.Först wfo--0001288441 | ..... |
| <i>Echinocactus gibbosus</i> f. <i>fennellii</i> (F.Haage ex K.Schum.) | Schelle wfo--0000660445 | 160 | 144 | <i>Echinocactus gracillimus</i> Monv. ex Lem. wfo--0000660471 |
| <i>Echinocactus gibbosus</i> f. <i>ferox</i> (Labour. ex Rümpler) | Schelle wfo--0000660448 | 154 | 144 | <i>Echinocactus graessneri</i> K.Schum. wfo--0000660472 |
| <i>Echinocactus gibbosus</i> f. <i>leonensis</i> (Hildm. ex K.Schum.) | Schelle wfo--0000660450 | 153 | 286 | <i>Echinocactus grahlianus</i> F.Haage ex K.Schum. wfo-- |
| <i>Echinocactus gibbosus</i> f. <i>leucacanthus</i> (Rümpler) Schelle | wfo--0000660452 | 160 | 146 | 0000660473 |
| <i>Echinocactus gibbosus</i> f. <i>leucodictyus</i> (Salm-Dyck) Schelle | wfo--0000660454 | 160 | 146 | <i>Echinocactus grahlianus</i> var. <i>adustior</i> Rolfe wfo-- |
| <i>Echinocactus gibbosus</i> f. <i>nobilis</i> (Haw.) Schelle wfo-- | 0000660456 | 160 | 146 | 0000738786 |
| <i>Echinocactus gibbosus</i> f. <i>schlumbergeri</i> (Rümpler) Schelle | wfo--0000660461 | 153 | 352 | <i>Echinocactus grandicornis</i> Lem. wfo--0000660474 |
| <i>Echinocactus gibbosus</i> var. <i>celsianus</i> Labour. ex Rümpler | wfo--0000738782 | 153 | 352 | <i>Echinocactus grandicornis</i> var. <i>fulvispinus</i> Salm-Dyck wfo-- |
| <i>Echinocactus gibbosus</i> var. <i>cerebriformis</i> Speg. wfo-- | 0000738783 | 154 | 87 | 0001430626 |
| <i>Echinocactus gibbosus</i> var. <i>chubutensis</i> Speg. wfo-- | 0000660443 | 154 | 87 | <i>Echinocactus grandis</i> f. <i>polycormus</i> Řiha & Tabasco wfo-- |
| <i>Echinocactus gibbosus</i> var. <i>fennellii</i> F.Haage ex Quehl wfo-- | 0000660444 | 160 | 87 | 0000660477 |
| <i>Echinocactus gibbosus</i> var. <i>ferox</i> Labour. ex Rümpler wfo-- | 0000660446 | 154 | 87 | <i>Echinocactus grandis</i> Rose wfo--0000660475 |
| <i>Echinocactus gibbosus</i> var. <i>leonensis</i> Hildm. ex K.Schum. | wfo--0000660449 | 153 | 87 | <i>Echinocactus grandis</i> subsp. <i>polycormus</i> Řiha & Tabasco |
| <i>Echinocactus gibbosus</i> var. <i>leucacanthus</i> Rümpler wfo-- | 0000660451 | 160 | 400 | wfo--0000660476 |
| <i>Echinocactus gibbosus</i> var. <i>leucodictyus</i> (Salm-Dyck) | Rümpler wfo--0001434740 | 160 | 298 | <i>Echinocactus griseispinus</i> Jacobi wfo--0000660479 |
| <i>Echinocactus gibbosus</i> var. <i>leucodictyus</i> Salm-Dyck wfo-- | 0000660453 | 160 | 174 | <i>Echinocactus grossei</i> K.Schum. wfo--0000660480 |
| | | | 155 | <i>Echinocactus grusonii</i> Hildm. wfo--0000660481 |
| | | | 351 | <i>Echinocactus guerkeanus</i> Heese wfo--0000660482 |
| | | | 126 | <i>Echinocactus guerrainanus</i> Backeb. wfo--0001254469 |
| | | | 15 | <i>Echinocactus guyannensis</i> Pfeiff. wfo--0000660483 |
| | | | 139 | <i>Echinocactus haageanus</i> (Linke) C.F.Först. wfo-- |
| | | | | 0000660484 |
| | | | | <i>Echinocactus haematacanthus</i> (Monv. ex Salm-Dyck) |
| | | | | Monv. ex F.A.C.Weber wfo--0000660485 |

| | | | |
|---|-----|---|-----|
| <i>Echinocactus haematacanthus</i> var. <i>crassispinus</i> Engelm. wfo--0000660486..... | 139 | <i>Echinocactus hexaedrophorus</i> var. <i>major</i> Quehl wfo-- 0000660518..... | 366 |
| <i>Echinocactus haematanthus</i> Speg. wfo--0000660487 .. | 106 | <i>Echinocactus hexaedrophorus</i> var. <i>subcostatus</i> Salm-Dyck wfo--0001430630 | 366 |
| <i>Echinocactus haematochroanthus</i> Hemsl. wfo-- 0000660488..... | 139 | <i>Echinocactus hexaedrus</i> Scheidw. wfo--0000660521 ... | 400 |
| <i>Echinocactus hamatacanthus</i> Muehlenpf. wfo-- 0000660490..... | 139 | <i>Echinocactus heyderi</i> A.Dietr. wfo--0000660522..... | 400 |
| <i>Echinocactus hamatacanthus</i> var. <i>brevispinus</i> (Engelm.) J.M.Coult. wfo--0000660491..... | 139 | <i>Echinocactus heynei</i> Markgr. wfo--0001288446..... | 400 |
| <i>Echinocactus hamatacanthus</i> var. <i>longihamatus</i> (Galeotti ex Pfeiff.) J.M.Coult. wfo--0000660492..... | 139 | <i>Echinocactus histrix</i> DC. wfo--0000660523..... | 140 |
| <i>Echinocactus hamatus</i> J.Forbes wfo--0001288442 | 368 | <i>Echinocactus hoffmannseggii</i> K.Schum. wfo--0001288447 | 126 |
| <i>Echinocactus hamatus</i> Muehlenpf. wfo--0000660493.. | 368 | <i>Echinocactus holopterus</i> Miq. ex Salm-Dyck wfo-- 0000660524 | 15 |
| <i>Echinocactus hamulosus</i> Regel wfo--0000660494 | 368 | <i>Echinocactus hookeri</i> Muehlenpf. wfo--0000660525 ... | 355 |
| <i>Echinocactus hankeanus</i> C.F.Först. wfo--0000660495 .. | 123 | <i>Echinocactus horizontalis</i> C.F.Först. wfo--0000660526 .. | 86 |
| <i>Echinocactus hartmannii</i> K.Schum. wfo--0000660496.... | 81 | <i>Echinocactus horizontalis</i> f. <i>centrispinus</i> (Engelm.) Schelle wfo--0000660529 | 86 |
| <i>Echinocactus haselbergii</i> Haage ex Rümpler wfo-- 0000660497..... | 286 | <i>Echinocactus horizontalis</i> f. <i>curvispinus</i> (Salm-Dyck) Schelle wfo--0000660533 | 86 |
| <i>Echinocactus hastatus</i> Hopffer ex K.Schum. wfo-- 0000660498..... | 353 | <i>Echinocactus horizontalis</i> f. <i>obscurispinus</i> (Rud.Mey.) Schelle wfo--0000660537 | 86 |
| <i>Echinocactus hastatus</i> var. <i>fulvispinus</i> Allardt ex C.F.Först. wfo--0001430627 | 354 | <i>Echinocactus horizontalis</i> Lem. wfo--0000660527 .. | 86 |
| <i>Echinocactus hastifer</i> Werderm. & Boed. wfo-- 0000660499..... | 366 | <i>Echinocactus horizontalis</i> subsp. <i>diabolicus</i> Halda, L.Vacek & Vaško wfo--0001430631 | 86 |
| <i>Echinocactus haynei</i> Otto ex Salm-Dyck wfo--0000660501 | 239 | <i>Echinocactus horizontalis</i> subsp. <i>horizontalis</i> wfo--0001286155 | 86 |
| <i>Echinocactus helianthodiscus</i> Lem. ex Salm-Dyck wfo-- 0000660502..... | 360 | <i>Echinocactus horizontalis</i> subsp. <i>jarmilae</i> Halda & Horáček wfo--0001430632 | 86 |
| <i>Echinocactus helophorus</i> Lem. wfo--0000660503..... | 87 | <i>Echinocactus horizontalis</i> subsp. <i>nicholii</i> (L.D.Benson) U.Guzmán wfo--0000660535 | 86 |
| <i>Echinocactus helophorus</i> var. <i>laevior</i> Lem. wfo-- 0000660504..... | 87 | <i>Echinocactus horizontalis</i> var. <i>centrispinus</i> Engelm. wfo--0000660528 | 86 |
| <i>Echinocactus helophorus</i> var. <i>longifossulatus</i> Lem. wfo-- 0000660505..... | 87 | <i>Echinocactus horizontalis</i> var. <i>curvispinus</i> Salm-Dyck wfo--0000660532 | 86 |
| <i>Echinocactus hemifossus</i> Lem. wfo--0000660506..... | 400 | <i>Echinocactus horizontalis</i> var. <i>equitans</i> Schmoll wfo-- 0000738788 | 86 |
| <i>Echinocactus hemifossus</i> var. <i>gracilispinus</i> W.Wight wfo-- 0000738787..... | 400 | <i>Echinocactus horizontalis</i> var. <i>horizontalis</i> wfo-- 0001434743 | 86 |
| <i>Echinocactus hempelianus</i> K.Schum. wfo--0001288444400 | 286 | <i>Echinocactus horizontalis</i> var. <i>laticostatus</i> Schmoll wfo--0000738789 | 86 |
| <i>Echinocactus herteri</i> Werderm. wfo--0000660507 | 286 | <i>Echinocactus horizontalis</i> var. <i>nicholii</i> L.D.Benson wfo-- --0000660534..... | 86 |
| <i>Echinocactus hertrichii</i> Weing. wfo--0000660508..... | 137 | <i>Echinocactus horizontalis</i> var. <i>obscurispinus</i> Rud.Mey. wfo--0000660536 | 86 |
| <i>Echinocactus heteracanthus</i> Muehlenpf. wfo-- 0000660509..... | 352 | <i>Echinocactus horizontalis</i> var. <i>subikii</i> Staník & Dráb wfo--0000660538 | 86 |
| <i>Echinocactus heterochromus</i> F.A.C.Weber wfo-- 0000660510..... | 365 | <i>Echinocactus horridus</i> Gay wfo--0000660539 | 115 |
| <i>Echinocactus heteromorphus</i> (Scheer) Poselg. wfo-- 0000660512..... | 64 | <i>Echinocactus horripilus</i> (Lem.) Lem. wfo--0001288448 | 172 |
| <i>Echinocactus hexacanthus</i> Muehlenpf. wfo--0000660513 | 400 | <i>Echinocactus horripilus</i> Lem. ex C.F.Först. wfo-- 0000660540 | 172 |
| <i>Echinocactus hexaedrophorus</i> f. <i>fossulatus</i> (Scheidw.) Voss wfo--0000660515..... | 366 | <i>Echinocactus horripilus</i> var. <i>erectocentrus</i> F.A.C.Weber ex K.Schum. wfo--0001430633..... | 172 |
| <i>Echinocactus hexaedrophorus</i> f. <i>labouretianus</i> (K.Schum.) Schelle wfo--0000660517..... | 366 | <i>Echinocactus hossei</i> Haage ex A.Berger wfo--0000660542 | 155 |
| <i>Echinocactus hexaedrophorus</i> f. <i>major</i> (Quehl) Schelle wfo-- --0000660519 | 366 | <i>Echinocactus humilis</i> Phil. wfo--0000660543..... | 59 |
| <i>Echinocactus hexaedrophorus</i> Lem. wfo--0000660514. | 366 | <i>Echinocactus humilis</i> Rümpler wfo--0000660544 | 59 |
| <i>Echinocactus hexaedrophorus</i> var. <i>decipiens</i> A.Berger wfo-- -0001430628 | 366 | <i>Echinocactus huottii</i> F.Cels wfo--0000660545 | 106 |
| <i>Echinocactus hexaedrophorus</i> var. <i>droegeanus</i> Schelle wfo-- -0001430629 | 366 | <i>Echinocactus hybocentrus</i> Lehm. ex Pfeiff. wfo-- 0000660546 | 138 |
| <i>Echinocactus hexaedrophorus</i> var. <i>fossulatus</i> (Scheidw.) Salm-Dyck wfo--0001288445 | 366 | <i>Echinocactus hybogonus</i> Salm-Dyck wfo--0000660547 | 161 |
| <i>Echinocactus hexaedrophorus</i> var. <i>labouretianus</i> K.Schum. wfo--0000660516..... | 366 | <i>Echinocactus hypocrateriformis</i> Otto & A.Dietr. wfo-- 0000660548 | 289 |
| | | <i>Echinocactus hyptiacanthus</i> Lem. wfo--0000660549 ... | 155 |

| | | | |
|---|-----|---|-----|
| <i>Echinocactus hystrichacanthus</i> Lem. wfo--0000660550 | 140 | <i>Echinocactus junori</i> Turcz. ex Kar. & Kir. wfo--0001288452 | 401 |
| <i>Echinocactus hystrichocentrus</i> A.Berg wfo--0000660551 | 400 | ..... | 401 |
| ..... | 400 | <i>Echinocactus jussianus</i> Lem. wfo--0001288453 | 118 |
| <i>Echinocactus hystrichodes</i> Lem. wfo--0001262795 | 400 | <i>Echinocactus jussieui</i> Monv. ex Salm-Dyck wfo-- | |
| <i>Echinocactus hystrix</i> Haw. wfo--0000660553 | 357 | 0000660586 | 124 |
| <i>Echinocactus inflatus</i> Gillies ex Steud. wfo--0001288449 | 400 | ..... | 124 |
| ..... | 400 | <i>Echinocactus jussieui</i> Monv. wfo--0001288454 | 124 |
| <i>Echinocactus ingens</i> f. <i>aulocogonus</i> (Lem.) Schelle wfo-- | | <i>Echinocactus jussieui</i> var. <i>cristatus</i> Rümpler wfo-- | |
| 0000660555 | 87 | 0000738792 | 118 |
| <i>Echinocactus ingens</i> f. <i>helophorus</i> (Lem.) Schelle wfo-- | | <i>Echinocactus karwinskianus</i> Burkart wfo--0001288455 | 87 |
| 0000660557 | 87 | <i>Echinocactus karwinskii</i> Zucc. ex Pfeiff. wfo--0000660587 | 87 |
| <i>Echinocactus ingens</i> f. <i>saltillensis</i> (Poselg.) Schelle wfo-- |  | ..... | 87 |
| 0000660559 | 87 | <i>Echinocactus kellerianus</i> Krainz wfo--0001254470 | 354 |
| <i>Echinocactus ingens</i> f. <i>viznaga</i> (Hook.) Voss wfo-- | | <i>Echinocactus knippelianus</i> Quehl wfo--0000660588 | 145 |
| 0000660561 | 87 | <i>Echinocactus knuthianus</i> Boed. wfo--0000660589 | 372 |
| <i>Echinocactus ingens</i> var. <i>grandis</i> Speg. wfo--0000738790 | 87 | <i>Echinocactus krausei</i> Hildm. ex K.Schum. wfo-- | |
| ..... | 87 | 0001288456 | 337 |
| <i>Echinocactus ingens</i> var. <i>helophorus</i> (Lem.) K.Schum. wfo-- | | <i>Echinocactus krausei</i> Hildm. ex Mathsson. wfo-- | |
| -0000660556 | 87 | 0000660590 | 337 |
| <i>Echinocactus ingens</i> var. <i>saltillensis</i> (Poselg.) K.Schum. | | <i>Echinocactus kunzei</i> C.F.Först. wfo--0000660591 | 120 |
| wfo--0000660558 | 87 | <i>Echinocactus kunzei</i> var. <i>brevispinosus</i> C.F.Först. wfo-- | |
| <i>Echinocactus ingens</i> var. <i>subinermis</i> K.Schum. wfo-- | | 0000660592 | 117 |
| 0000660560 | 87 | <i>Echinocactus kunzei</i> var. <i>rigidor</i> Salm-Dyck wfo-- | |
| <i>Echinocactus ingens</i> var. <i>viznaga</i> (Hook.) K.Schum. wfo-- | | 0000660593 | 117 |
| 0000660562 | 87 | <i>Echinocactus kurtzianus</i> Gürke wfo--0000660594 | 157 |
| <i>Echinocactus ingens</i> Zucc. ex Pfeiff. wfo--0000660554 | 87 | <i>Echinocactus labouretii</i> C.F.Först. wfo--0001288457 | 102 |
| <i>Echinocactus insculptus</i> Scheidw. wfo--0000660564 | 366 | <i>Echinocactus lafaldensis</i> (Vaupel) A.Berger wfo-- | |
| <i>Echinocactus insignis</i> Haage Jr. wfo--0001288450 | 139 | 0000660596 | 151 |
| <i>Echinocactus intermedius</i> (Hildm.) Schelle wfo-- | | <i>Echinocactus lamellosus</i> A.Dietr. wfo--0000660597 | 353 |
| 0000660565 | 153 | <i>Echinocactus lamellosus</i> var. <i>fulvescens</i> Salm-Dyck wfo-- | |
| <i>Echinocactus interruptus</i> Scheidw. ex Salm-Dyck wfo-- | | 0001430635 | 352 |
| 0000660566 | 351 | <i>Echinocactus lancifer</i> A.Dietr. wfo--0000660598 | 353 |
| <i>Echinocactus intertextus</i> Engelm. wfo--0000660567 | 337 | <i>Echinocactus lancifer</i> Rchb. ex Walp. wfo--0000660599 | 401 |
| <i>Echinocactus intertextus</i> f. <i>dasyacanthus</i> (Engelm.) Schelle |  | ..... | 401 |
| wfo--0000660570 | 337 | <i>Echinocactus langsdorfii</i> (Lehm.) Link & Otto wfo-- | |
| <i>Echinocactus intertextus</i> Phil. wfo--0000660568 | 337 | 0000660600 | 287 |
| <i>Echinocactus intertextus</i> var. <i>dasyacanthus</i> Engelm. wfo-- | | <i>Echinocactus laticostatus</i> Engelm. & J.M.Bigelow wfo-- | |
| 0000660569 | 337 | 0000660601 | 86 |
| <i>Echinocactus intortus</i> (Mill.) DC. wfo--0000660571 | 244 | <i>Echinocactus latispinosus</i> Link & Otto wfo--0001288458 | 401 |
| <i>Echinocactus intortus</i> var. <i>purpureus</i> DC. wfo-- |  | ..... | 401 |
| 0001430634 | 244 | <i>Echinocactus latispinus</i> (Haw.) Hemsl. wfo--0000660602 | 140 |
| <i>Echinocactus intricatus</i> Link & Otto wfo--0000660572 | 413 | ..... | 140 |
| <i>Echinocactus irroratus</i> Scheidw. wfo--0000660574 | 87 | <i>Echinocactus latispinus</i> var. <i>flavispinus</i> (J.N.Haage) | |
| <i>Echinocactus islayensis</i> C.F.Först. wfo--0000660575 | 119 | F.A.C.Weber wfo--0000660603 | 141 |
| <i>Echinocactus jenischianus</i> Pfeiff. wfo--0000660576 | 400 | <i>Echinocactus lecchii</i> (Colla) G.Don wfo--0000660604 | 164 |
| <i>Echinocactus joadii</i> Hook.f. wfo--0000660577 | 281 | <i>Echinocactus lecontei</i> Engelm. wfo--0000660606 | 137 |
| <i>Echinocactus johnsonii</i> Parry ex Engelm. wfo--0000660578 | 337 | <i>Echinocactus lecontei</i> var. <i>albispinus</i> Kuhlms. wfo-- | |
| ..... | 337 | 0000738793 | 401 |
| <i>Echinocactus johnsonii</i> subsp. <i>lutescens</i> (Parish) | | <i>Echinocactus lecontei</i> var. <i>hagei</i> Miq. wfo--0000738794 | 401 |
| A.E.Murray wfo--0000660580 | 337 | ..... | 401 |
| <i>Echinocactus johnsonii</i> subsp. <i>octocentrus</i> (J.M.Coult.) | | <i>Echinocactus leeanus</i> Hook. wfo--0000660607 | 160 |
| A.E.Murray wfo--0000660582 | 337 | <i>Echinocactus lemairei</i> Monv. ex Lem. wfo--0000660608 | 245 |
| <i>Echinocactus johnsonii</i> var. <i>lutescens</i> Parish wfo-- |  | ..... | 245 |
| 0000660579 | 337 | <i>Echinocactus leninghausii</i> (F.Haage) K.Schum. wfo-- | |
| <i>Echinocactus johnsonii</i> var. <i>octocentrus</i> J.M.Coult. wfo-- | | 0000660609 | 288 |
| 0000660581 | 337 | <i>Echinocactus leninghausii</i> K.Schum. wfo--0001430636 | 288 |
| <i>Echinocactus johnstonianus</i> (Britton & Rose) Fosberg wfo-- | | <i>Echinocactus leninghausii</i> K.Schum. wfo--0001430637 | 288 |
| -0000660583 | 137 | <i>Echinocactus leninghausii</i> var. <i>crustatus</i> Schelle wfo-- | |
| <i>Echinocactus joossensianus</i> Boed. wfo--0000660585 | 161 | 0000738795 | 288 |
| <i>Echinocactus jourdanianus</i> Rebut ex Maass wfo-- | | <i>Echinocactus leonensis</i> (Mathsson) K.Schum. wfo-- | |
| 0001288451 | 193 | 0001288460 | 97 |
| | | <i>Echinocactus leonensis</i> Cels wfo--0001288459 | 154 |
| | | <i>Echinocactus leopoldii</i> E.Morren wfo--0000660610 | 137 |

| | | | |
|---|---------|--|-----|
| <i>Echinocactus leptanthus</i> K.Schmidt wfo---0000660611 | 403 | <i>Echinocactus macdowellii</i> Rebut ex Quehl wfo--- | |
| <i>Echinocactus leptanthus</i> Speg. wfo---0001288482 | 403 | 0000660643 | 367 |
| <i>Echinocactus leucacanthus</i> var. <i>crassior</i> Salm-Dyck wfo--- | | <i>Echinocactus mackieanus</i> Hook. wfo---0000660644 | 160 |
| 0001430638 | 367 | <i>Echinocactus macracanthus</i> de Vriese wfo---0000660645 | 87 |
| <i>Echinocactus leucacanthus</i> var. <i>tuberosus</i> C.F.Först. wfo--- | | | 87 |
| 0001430639 | 367 | <i>Echinocactus macracanthus</i> Salm-Dyck wfo---0000660646 | 87 |
| <i>Echinocactus leucacanthus</i> Zucc. ex Pfeiff. wfo--- | | | 87 |
| 0000660612 | 366 | <i>Echinocactus macrocephalus</i> Muehlenpf. wfo--- | |
| <i>Echinocactus leucanthus</i> Gillies ex Salm-Dyck wfo--- | | 0000660647 | 401 |
| 0000660613 | 3 | <i>Echinocactus macrochele</i> Werderm. wfo---0000660648 | 374 |
| <i>Echinocactus leucocarpus</i> Arechav. wfo---0000660614 | 284 | <i>Echinocactus macrodiscus</i> f. <i>multiflorus</i> (Rud.Mey.) Schelle | |
| <i>Echinocactus leucodictyus</i> Salm-Dyck wfo---0000660616 | | wfo---0000660652 | 141 |
| | 160 | <i>Echinocactus macrodiscus</i> Mart. wfo---0000660649 | 141 |
| <i>Echinocactus leucotrichus</i> Phil. wfo---0000660617 | 276 | <i>Echinocactus macrodiscus</i> var. <i>multiflorus</i> Rud.Mey. wfo--- | |
| <i>Echinocactus lewinii</i> (Henn.) K.Schum. wfo---0000660618 | | 0000660651 | 141 |
| | 193 | <i>Echinocactus macromeris</i> Poselg. wfo---0000660653 | 141 |
| <i>Echinocactus lewisii</i> (Henn.) K.Schum. wfo---0000660619 | | <i>Echinocactus macrothele</i> (Mart. ex Pfeiff.) Poselg. wfo--- | |
| | 193 | 0000660654 | 65 |
| <i>Echinocactus limitus</i> Engelm. ex J.M.Coult. wfo--- | | <i>Echinocactus macrothele</i> var. <i>biglandulosus</i> (Pfeiff.) | |
| 0000660620 | 143 | Poselg. wfo---0000738801 | 65 |
| <i>Echinocactus lindheimeri</i> Engelm. & A.Gray wfo--- | | <i>Echinocactus macrothele</i> var. <i>lehmannii</i> Poselg. wfo--- | |
| 0000660621 | 171 | 0000738802 | 66 |
| <i>Echinocactus lindleya</i> C.F.Först. wfo---0000660622 | 414 | <i>Echinocactus maelenii</i> Salm-Dyck ex C.F.Först. wfo--- | |
| <i>Echinocactus lindleyi</i> C.F.Först. wfo---0001287453 | 119 | 0000660655 | 367 |
| <i>Echinocactus linkii</i> Link & Otto wfo---4000012908 | 86 | <i>Echinocactus maldonadensis</i> Herter wfo---0000660656 | 289 |
| <i>Echinocactus linkeanus</i> A.Dietr. wfo---0000660623 | 401 | <i>Echinocactus malletianus</i> Lem. ex Salm-Dyck wfo--- | |
| <i>Echinocactus linkii</i> (Lehm.) Pfeiff. wfo---0000660624 | 288 | 0000660657 | 58 |
| <i>Echinocactus linkii</i> var. <i>spinosior</i> C.F.Först. wfo--- | | <i>Echinocactus mamillarioides</i> Hook. wfo---0000660658 | |
| 0001430640 | 288 | | 138 |
| <i>Echinocactus lloydii</i> (Britton & Rose) A.Berger wfo--- | | <i>Echinocactus mammillifer</i> Miq. wfo---0000660659 | 401 |
| 0000660625 | 353 | <i>Echinocactus mammulosus</i> Lem. wfo---0000660660 | 289 |
| <i>Echinocactus longihamatus</i> f. <i>brevispinus</i> (Engelm.) Schelle | | <i>Echinocactus mammulosus</i> var. <i>hircina</i> Speg. wfo--- | |
| wfo---0000660629 | 139 | 0001430641 | 290 |
| <i>Echinocactus longihamatus</i> f. <i>sinuatus</i> (A.Dietr.) Schelle | | <i>Echinocactus mammulosus</i> var. <i>pampeanus</i> Speg. wfo--- | |
| wfo---0000660633 | 139 | 0001430642 | 290 |
| <i>Echinocactus longihamatus</i> Galeotti ex Pfeiff. wfo--- | | <i>Echinocactus mammulosus</i> var. <i>submammulosa</i> Speg. wfo--- | |
| 0000660627 | 139 | --0001430643 | 290 |
| <i>Echinocactus longihamatus</i> Galeotti wfo---0001288461 | 139 | <i>Echinocactus mammulosus</i> var. <i>typica</i> Speg. wfo--- | |
| <i>Echinocactus longihamatus</i> var. <i>bicolor</i> F.A.C.Weber wfo--- | | 0001430644 | 291 |
| 0000738796 | 139 | <i>Echinocactus mandragora</i> Frič ex A.Berger wfo--- | |
| <i>Echinocactus longihamatus</i> var. <i>brevispinus</i> Engelm. wfo--- | | 0000660662 | 320 |
| 0000660628 | 139 | <i>Echinocactus marginatus</i> Salm-Dyck wfo---0000660663 | 59 |
| <i>Echinocactus longihamatus</i> var. <i>crassispinus</i> Engelm. wfo--- | | <i>Echinocactus mariposensis</i> (Hester) D.Weniger wfo--- | |
| -0000660630 | 139 | 0000660664 | 414 |
| <i>Echinocactus longihamatus</i> var. <i>deflexispinus</i> F.A.C.Weber | | <i>Echinocactus marisianus</i> Galeotti ex K.Schum. wfo--- | |
| wfo---0000738797 | 139 | 0001288464 | 401 |
| <i>Echinocactus longihamatus</i> var. <i>gracilispinus</i> Engelm. wfo--- | | <i>Echinocactus marquinatus</i> Salm-Dyck wfo---0001288374 | 414 |
| -0000660631 | 139 | | 414 |
| <i>Echinocactus longihamatus</i> var. <i>insignis</i> F.A.C.Weber wfo--- | | <i>Echinocactus martinii</i> Cels ex K.Schum. wfo---0001288465 | |
| -0000738798 | 139 | | 401 |
| <i>Echinocactus longihamatus</i> var. <i>sinuatus</i> (A.Dietr.) | | <i>Echinocactus mathssonii</i> Berge ex K.Schum. wfo--- | |
| F.A.C.Weber ex K.Schum. wfo---0000660632 | 139 | 0000660665 | 141 |
| <i>Echinocactus longispinus</i> Scheidw. wfo---0001288462 | 401 | <i>Echinocactus mathssonii</i> Berge wfo---0001430645 | 141 |
| <i>Echinocactus lophothele</i> Salm-Dyck wfo---0000660634 | 367 | <i>Echinocactus mazanensis</i> Backeb. wfo---0000660666 | 155 |
| <i>Echinocactus lophothele</i> var. <i>longispinus</i> Blume wfo--- | | <i>Echinocactus mazanensis</i> var. <i>breviflorus</i> Backeb. wfo--- | |
| 0000738800 | 367 | 0000743804 | 155 |
| <i>Echinocactus loricatus</i> Poselg. wfo---0000660635 | 161 | <i>Echinocactus mcdowellii</i> Orcutt wfo---0001430646 | 414 |
| <i>Echinocactus loricatus</i> Speg. wfo---0000660636 | 66, 162 | <i>Echinocactus megalothelon</i> Sencke ex K.Schum. wfo--- | |
| <i>Echinocactus loricatus</i> Speg. wfo---0001434744 | 66, 162 | 0000660667 | 153 |
| <i>Echinocactus lutens</i> Britton & Rose wfo---0000660640 | 101 | <i>Echinocactus megapotamicus</i> Osten wfo---0000660668 | 288 |
| <i>Echinocactus maassii</i> Heese wfo---0000660641 | 289 | <i>Echinocactus megarrhizus</i> Rose wfo---0000660669 | 339 |
| | | <i>Echinocactus melanacanthus</i> Monv. wfo---0001288466 | 401 |

| | | | |
|--|-----|---|----------|
| <i>Echinocactus melanocarpus</i> Arechav. wfo--0000660670 | 155 | <i>Echinocactus multiflorus</i> var. <i>parisiensis</i> K.Schum. wfo-- 0000660703 | 157 |
| <i>Echinocactus melanochnus</i> J.F.Cels ex Labour. wfo-- 0000660671..... | 59 | <i>Echinocactus multiplex</i> Hort. ex Pfeiff. wfo--0000660705 | 108 |
| <i>Echinocactus melmsianus</i> Wegener wfo--0000660672. | 354 | <i>Echinocactus multiplex</i> Otto wfo--0001430651..... | 109 |
| <i>Echinocactus melocactiformis</i> DC. wfo--0000660673 ... | 140 | <i>Echinocactus muricatus</i> Link & Otto ex Pfeiff. wfo-- 0000660706 | 294 |
| <i>Echinocactus melocactoides</i> Lem. wfo--0000660674.... | 242 | <i>Echinocactus mutabilis</i> C.F.Först. wfo--0000660707 | 414 |
| <i>Echinocactus meonacanthus</i> Link & Otto wfo-- 0000660675..... | 250 | <i>Echinocactus myriacanthus</i> Vaupel wfo--0000660708. 240 | |
| <i>Echinocactus merckeri</i> Hildm. wfo--0001288467 | 401 | <i>Echinocactus myriostigma</i> (Lem.) Salm-Dyck wfo-- 0000660709 | 15 |
| <i>Echinocactus mesae-verdae</i> (Boissev. & C.Davidson ex Marshall & Bloc) L.D.Benson wfo--0000660676..... | 338 | <i>Echinocactus myriostigma</i> f. <i>columnaris</i> (K.Schum.) Schelle wfo--0000660713 | 15 |
| <i>Echinocactus mexicanus</i> (Glass & W.A.Fitz Maur.) Halda wfo--0000660678..... | 147 | <i>Echinocactus myriostigma</i> subsp. <i>coahuilensis</i> H.Moeller wfo--0000660711 | 15 |
| <i>Echinocactus micracanthus</i> Fennell wfo--0001288468. | 401 | <i>Echinocactus myriostigma</i> subsp. <i>potosinus</i> H.Moeller wfo-- 0000660715..... | 15 |
| <i>Echinocactus micromeris</i> (Engelm.) F.A.C.Weber wfo-- 0001288469..... | 111 | <i>Echinocactus myriostigma</i> subsp. <i>quadricostatus</i> H.Moeller wfo--0000660717 | 15 |
| <i>Echinocactus microspermus</i> F.A.C.Weber wfo-- 0000660679..... | 291 | <i>Echinocactus myriostigma</i> var. <i>columnaris</i> K.Schum. wfo-- 0000660712 | 15 |
| <i>Echinocactus microspermus</i> var. <i>erythrantha</i> Speg. wfo-- 0000660680..... | 291 | <i>Echinocactus myriostigma</i> var. <i>nudus</i> Rud.Mey. wfo-- 0000660714 | 15 |
| <i>Echinocactus microspermus</i> var. <i>macrancistrus</i> K.Schum. wfo--0000660681..... | 291 | <i>Echinocactus myriostigma</i> var. <i>quadricostatus</i> H.Moeller wfo--0000660716 | 15 |
| <i>Echinocactus microspermus</i> var. <i>thionanthus</i> Speg. wfo-- 0000660682..... | 291 | <i>Echinocactus napinus</i> Phil. wfo--0000660718 | 121 |
| <i>Echinocactus mihanovichii</i> Frič & Gürke wfo--0000660683 | 156 | <i>Echinocactus netrelianus</i> Monv. ex Labour. wfo-- 0000660719 | 155 |
| <i>Echinocactus minax</i> Lem. wfo--0000660684..... | 87 | <i>Echinocactus neumannianus</i> Backeb. wfo--0001264604 | 382 |
| <i>Echinocactus minax</i> var. <i>laevior</i> Lem. wfo--0000660685 87 | | <i>Echinocactus neumannianus</i> Cels ex Salm-Dyck wfo-- 0001430652 | 120 |
| <i>Echinocactus minusculus</i> (K.Schum.) F.A.C.Weber wfo-- 0000660686..... | 321 | <i>Echinocactus neumannianus</i> Labour. wfo--0000660720 | 401 |
| <i>Echinocactus mirbelii</i> Lem. wfo--0000660687..... | 15 | <i>Echinocactus nidulans</i> Quehl wfo--0000660722..... | 367 |
| <i>Echinocactus misleyi</i> J.F.Cels wfo--0000660689 | 186 | <i>Echinocactus nidus</i> Söhrens ex K.Schum. wfo-- 0000660723 | 117 |
| <i>Echinocactus mitis</i> Phil. wfo--0000660690..... | 121 | <i>Echinocactus niger</i> Salm-Dyck wfo--0000660724..... | 118 |
| <i>Echinocactus molendensis</i> Vaupel wfo--0000660691 ... | 119 | <i>Echinocactus nigricans</i> (Linke) D.Dietr. ex K.Schum. wfo-- 0000660725 | 113 |
| <i>Echinocactus montevidensis</i> C.F.Först. wfo--0000660692 | 126 | <i>Echinocactus nigrispinus</i> K.Schum. wfo--0000660726.. | 294 |
| <i>Echinocactus monvillei</i> Lem. wfo--0000660693 | 156 | <i>Echinocactus nobilis</i> (L.) Druce wfo--0000660728 | 140 |
| <i>Echinocactus mostii</i> Gürke wfo--0000660694..... | 157 | <i>Echinocactus nobilis</i> Haw. wfo--0000660727 | 140 |
| <i>Echinocactus muehlenpfordtii</i> J.H.Fennell wfo-- 0000660695..... | 368 | <i>Echinocactus nodosus</i> Hemsl. wfo--0000660729..... | 368 |
| <i>Echinocactus muehlenpfordtii</i> Poselg. wfo--000066069668 | | <i>Echinocactus nummularioides</i> Steud. wfo--0001288471 | 138 |
| <i>Echinocactus multangularis</i> Voigt ex Schumann wfo-- 0001288470..... | 401 | <i>Echinocactus obrepandus</i> Salm-Dyck wfo--0000660730 | 186 |
| <i>Echinocactus multicostatus</i> Daul wfo--0001430647 | 414 | <i>Echinocactus obvallatus</i> DC. wfo--0000660731..... | 354 |
| <i>Echinocactus multicostatus</i> Hildm. ex K.Schum. wfo-- 0000660697..... | 353 | <i>Echinocactus obvallatus</i> var. <i>lancifer</i> (A.Dietr.) Schelle wfo-- 0000660733..... | 353 |
| <i>Echinocactus multicostatus</i> Hildm. ex K.Schum. wfo-- 0001430648..... | 353 | <i>Echinocactus obvallatus</i> var. <i>spinosior</i> Salm-Dyck wfo-- 0001430653 | 354 |
| <i>Echinocactus multicostatus</i> Mathsson wfo--0001430649 | 353 | <i>Echinocactus occultus</i> K.Schum. wfo--0001430654..... | 119 |
| <i>Echinocactus multicostatus</i> Rebut wfo--0001430650 ... | 414 | <i>Echinocactus occultus</i> Phil. wfo--0000660734..... | 118, 119 |
| <i>Echinocactus multiflorus</i> f. <i>albispinus</i> (K.Schum.) Schelle wfo--0000660701..... | 157 | <i>Echinocactus ochroleucus</i> Jacobi wfo--0000660735..... | 401 |
| <i>Echinocactus multiflorus</i> f. <i>parisiensis</i> (K.Schum.) Schelle wfo--0000660704..... | 157 | <i>Echinocactus octacanthus</i> Muehlenpf. wfo--0000660736 | 401 |
| <i>Echinocactus multiflorus</i> Hook. wfo--0000660698..... | 157 | <i>Echinocactus octogonus</i> G.Don wfo--0000660737 | 108 |
| <i>Echinocactus multiflorus</i> var. <i>albispinus</i> K.Schum. wfo-- 0000660700..... | 157 | <i>Echinocactus odieri</i> f. <i>mebbesii</i> (Hildm. ex K.Schum.) Schelle wfo--0000660740 | 122 |
| <i>Echinocactus multiflorus</i> var. <i>hybopleurus</i> K.Schum. wfo-- 0000660702..... | 157 | | |

| | |
|--|--|
| <i>Echinocactus odieri</i> Lem. ex Salm-Dyck wfo--0000660738 122 | <i>Echinocactus oxygenus</i> Link wfo--0000660762 107 |
| <i>Echinocactus odieri</i> var. <i>magnificus</i> Hildm. wfo-- 0000738803..... 122 | <i>Echinocactus oxypterus</i> Zucc. ex Pfeiff. wfo--0000660764 140 |
| <i>Echinocactus odieri</i> var. <i>mebbesii</i> Hildm. ex K.Schum. wfo-- -0000660739 122 | <i>Echinocactus pachycentrus</i> Lehm. ex Pfeiff. wfo-- 0000660765 401 |
| <i>Echinocactus odierianus</i> Monv. wfo--0001288474 122 | <i>Echinocactus pachycornis</i> Muehlenpf. wfo--0000660766 86 |
| <i>Echinocactus olacogonus</i> Audot wfo--0001288475 401 | <i>Echinocactus palmeri</i> Rose wfo--0000660767 87 |
| <i>Echinocactus oligacanthus</i> Mart. ex Pfeiff. wfo-- 0000660741..... 87 | <i>Echinocactus pampeanus</i> Speg. wfo--0000660768 290 |
| <i>Echinocactus oligacanthus</i> Salm-Dyck wfo--000066074287 | <i>Echinocactus pampeanus</i> var. <i>charruanus</i> Arechav. wfo-- 0001430660 290 |
| <i>Echinocactus orcuttii</i> Engelm. ex Orcutt wfo--0000660745 143 | <i>Echinocactus pampeanus</i> var. <i>rubellianus</i> Arechav. wfo-- 0001430661 290 |
| <i>Echinocactus oreptilis</i> Haage wfo--0001288476 401 | <i>Echinocactus pampeanus</i> var. <i>subplanus</i> Arechav. wfo-- 0001430662 290 |
| <i>Echinocactus ornatus</i> DC. wfo--0000660746..... 15 | <i>Echinocactus papyracanthus</i> (Engelm.) Engelm. wfo-- 0000660769 338 |
| <i>Echinocactus ornatus</i> f. <i>glabrescens</i> (F.A.C.Weber) Schelle wfo--0000660748..... 16 | <i>Echinocactus paraguayensis</i> K.Schum. wfo--0000660770 158 |
| <i>Echinocactus ornatus</i> var. <i>glabrescens</i> F.A.C.Weber wfo-- 0000660747..... 16 | <i>Echinocactus parryi</i> Engelm. wfo--0000660772..... 170 |
| <i>Echinocactus ornatus</i> var. <i>glabrescens</i> K.Schum. wfo-- 0001288477..... 16 | <i>Echinocactus parviflorus</i> (Clover & Jotter) L.D.Benson wfo-- -0000660773 338 |
| <i>Echinocactus ornatus</i> var. <i>mirbelii</i> Croucher wfo-- 0000738804..... 15 | <i>Echinocactus parviflorus</i> var. <i>havasupaiensis</i> (Clover) L.D.Benson wfo--0001430663..... 338 |
| <i>Echinocactus orthacanthus</i> Link & Otto wfo--0000660749 289 | <i>Echinocactus parviflorus</i> var. <i>roseus</i> (Clover) L.D.Benson wfo--0001430664 338 |
| <i>Echinocactus ottonianus</i> Poselg. wfo--0000660750..... 66 | <i>Echinocactus parvispinus</i> (Haw.) DC. wfo--0000660774245 |
| <i>Echinocactus ottonis</i> (Lehm.) Link & Otto wfo-- 0000660751..... 295 | <i>Echinocactus pauciareolatus</i> Arechav. wfo--0000660775 284 |
| <i>Echinocactus ottonis</i> f. <i>brasiliensis</i> (F.Haage) Schelle wfo-- 0000660752..... 295 | <i>Echinocactus pectinatus</i> Scheidw. wfo--0000660776..... 96 |
| <i>Echinocactus ottonis</i> f. <i>paraguayensis</i> (K.Schum.) Schelle wfo--0000660756..... 295 | <i>Echinocactus pectinifer</i> Lem. wfo--0001288479 96 |
| <i>Echinocactus ottonis</i> f. <i>tenuispinus</i> (Link & Otto) Schelle wfo--0000660757 295 | <i>Echinocactus pectinifer</i> var. <i>laevior</i> Lem. wfo-- 0001430665 96 |
| <i>Echinocactus ottonis</i> f. <i>tortuosus</i> (Link & Otto) Schelle wfo-- -0000660759 295 | <i>Echinocactus pectiniferus</i> Lem. wfo--0000660777 96 |
| <i>Echinocactus ottonis</i> var. <i>brasiliensis</i> F.Haage wfo-- 0000660753..... 295 | <i>Echinocactus pectiniferus</i> var. <i>laevior</i> Lem. wfo-- 0000660778 96 |
| <i>Echinocactus ottonis</i> var. <i>linkii</i> C.F.Först. wfo-- 0001430655..... 295 | <i>Echinocactus peeblesianus</i> (Croizat) L.D.Benson wfo-- 0000660779 301 |
| <i>Echinocactus ottonis</i> var. <i>minor</i> C.F.Först. wfo-- 0001430656..... 295 | <i>Echinocactus pelachicus</i> Markgr. wfo--0001288480..... 401 |
| <i>Echinocactus ottonis</i> var. <i>multiflorus</i> Frič wfo-- 0001430657..... 295 | <i>Echinocactus peninsulae</i> Engelm. ex J.M.Coult. wfo-- 0000660781 142 |
| <i>Echinocactus ottonis</i> var. <i>pallidior</i> Monv. ex Lem. wfo-- 0001430658..... 295 | <i>Echinocactus peninsulae</i> F.A.C.Weber wfo--0000660782 142 |
| <i>Echinocactus ottonis</i> var. <i>paraguayensis</i> K.Schum. wfo-- 0000660755..... 295 | <i>Echinocactus pentacanthus</i> Lem. wfo--0000660783 354 |
| <i>Echinocactus ottonis</i> var. <i>spinosior</i> Monv. ex Lem. wfo-- 0001430659..... 295 | <i>Echinocactus pentlandii</i> Hook. wfo--0000660784 187 |
| <i>Echinocactus ottonis</i> var. <i>tenuispinus</i> (Link & Otto) Pfeiff. wfo--0000738806..... 295 | <i>Echinocactus pepinianus</i> K.Schum. wfo--0000660785.. 401 |
| <i>Echinocactus ottonis</i> var. <i>tortuosus</i> (Link & Otto) K.Schum. wfo--0000660758..... 295 | <i>Echinocactus peruvianus</i> K.Schum. wfo--0000660786 . 277 |
| <i>Echinocactus ottonis</i> var. <i>uruguayus</i> Arechav. wfo-- 0000660760..... 295 | <i>Echinocactus pfeifferi</i> Zucc. ex Pfeiff. wfo--0000660787 138 |
| <i>Echinocactus ourselianus</i> Cels ex Salm-Dyck wfo-- 0000660761..... 156 | <i>Echinocactus pfersdorffii</i> Schelle wfo--0000660788..... 140 |
| <i>Echinocactus ourselianus</i> Monv. wfo--0001434745..... 156 | <i>Echinocactus pflanzii</i> Vaupel wfo--0000660789 159 |
| <i>Echinocactus ourselianus</i> var. <i>albispinus</i> Hand.-Mazz. ex Pax & K.Hoffm. wfo--0000738807..... 401 | <i>Echinocactus philippii</i> (Regel & Schmidt) K.Schum. wfo-- 0000660790 16 |
| <i>Echinocactus oxyacanthus</i> J.Forbes wfo--0001288478 . 401 | <i>Echinocactus phyllacanthoides</i> Lem. wfo--0000660792 354 |
| | <i>Echinocactus phyllacanthoides</i> var. <i>laevior</i> Lem. wfo-- 0001430666 354 |
| | <i>Echinocactus phyllacanthoides</i> var. <i>macracanthus</i> Lem. wfo--0001430667 354 |
| | <i>Echinocactus phyllacanthoides</i> var. <i>micracanthus</i> Lem. wfo--0001430668 354 |
| | <i>Echinocactus phyllacanthus</i> Mart. wfo--0000660793... 354 |

| | | | |
|--|--------|---|-----|
| <i>Echinocactus phyllacanthus</i> var. <i>tricuspidatus</i> (Scheidw.) C.F.Först. wfo--0001430669 | 354 | <i>Echinocactus polycephalus</i> var. <i>flavispinus</i> F.Haage wfo-- 0000660818 | 171 |
| <i>Echinocactus phyllantoides</i> Lem. wfo--0000660794 | 414 | <i>Echinocactus polycephalus</i> var. <i>polycephalus</i> wfo-- 0001289273 | 171 |
| <i>Echinocactus phymatothele</i> Poselg. ex Rümpler wfo-- 0001434746 | 367 | <i>Echinocactus polycephalus</i> var. <i>xeranthemoides</i> J.M.Coult. wfo--0000660819 | 171 |
| <i>Echinocactus phymatothelos</i> Poselg. ex Rümpler wfo-- 0000660795 | 367 | <i>Echinocactus polycentrus</i> Lem. ex Salm-Dyck wfo-- 0000660822 | 290 |
| <i>Echinocactus pilifer</i> Lem. wfo--0001288481 | 142 | <i>Echinocactus polyraphis</i> Pfeiff. ex Salm-Dyck wfo-- 0000660823 | 128 |
| <i>Echinocactus piliferus</i> Lem. ex Labour. wfo--0000660796 | 142 | <i>Echinocactus polyraphis</i> Pfeiff. wfo--0001287461 | 128 |
| <i>Echinocactus pilosus</i> f. <i>stainesii</i> (Salm-Dyck) Voss wfo-- 0000660801 | 142 | <i>Echinocactus porrectus</i> Lem. wfo--0000660824 | 367 |
| <i>Echinocactus pilosus</i> Galeotti wfo--0000660797 | 142 | <i>Echinocactus poselgerianus</i> A.Dietr. wfo--0000660825 .. | 66 |
| <i>Echinocactus pilosus</i> var. <i>flavispinus</i> Schelle wfo-- 0001430670 | 142 | <i>Echinocactus pottsianus</i> Poselg. wfo--0000660826 | 228 |
| <i>Echinocactus pilosus</i> var. <i>pringlei</i> J.M.Coult. wfo-- 0000660798 | 142 | <i>Echinocactus pottsii</i> Schur ex Salm-Dyck wfo--0000660827 | 142 |
| <i>Echinocactus pilosus</i> var. <i>stainesii</i> Salm-Dyck wfo-- 0000660800 | 142 | <i>Echinocactus praegnacanthus</i> C.F.Först. wfo--0000660828 | 401 |
| <i>Echinocactus placentiformis</i> (Lehm.) K.Schum. wfo-- 0000660802 | 81 | <i>Echinocactus pringlei</i> (J.M.Coult.) Rose wfo--0000660829 | 142 |
| <i>Echinocactus plaschnickii</i> Poselg. wfo--0000660803 | 65 | <i>Echinocactus prolifer</i> Backeb. wfo--0000660831 | 152 |
| <i>Echinocactus platensis</i> Speg. wfo--0000660804 | 160 | <i>Echinocactus pruinosis</i> Otto ex Pfeiff. wfo--0000660832 | 358 |
| <i>Echinocactus platensis</i> var. <i>guerkeanus</i> (Heese) Speg. wfo-- -0000660805 | 155 | <i>Echinocactus pseudocereus</i> Meinsh. wfo--0000660833 414 | |
| <i>Echinocactus platensis</i> var. <i>leptanthus</i> Speg. wfo-- 0000660806 | 403 | <i>Echinocactus pseudominusculus</i> Speg. wfo--0000660834 | 20 |
| <i>Echinocactus platensis</i> var. <i>parvulus</i> Speg. wfo-- 0000660807 | 403 | <i>Echinocactus pubispinus</i> Engelm. wfo--0000660835 | 339 |
| <i>Echinocactus platensis</i> var. <i>quehlianus</i> Speg. wfo-- 0001288483 | 159 | <i>Echinocactus pulchellus</i> Mart. wfo--0000660836 | 98 |
| <i>Echinocactus platensis</i> var. <i>terweemeanus</i> Teucq ex Duursma wfo--0000735772 | 150 | <i>Echinocactus pulcherrimus</i> Arehav. wfo--0000660837 146 | |
| <i>Echinocactus platensis</i> var. <i>typica</i> Speg. wfo--0001430671 | 154 | <i>Echinocactus pulverulentus</i> Muehlenpf. wfo--0000660838 | 414 |
| <i>Echinocactus platyacanthus</i> f. <i>grandis</i> (Rose) Bravo wfo-- 0000660810 | 87 | <i>Echinocactus pumilus</i> Lem. wfo--0000660839 | 145 |
| <i>Echinocactus platyacanthus</i> f. <i>visnaga</i> (Hook.) Bravo wfo-- 0000660812 | 87 | <i>Echinocactus pumilus</i> var. <i>gracillimus</i> K.Schum. wfo-- 0000738811 | 144 |
| <i>Echinocactus platyacanthus</i> Link & Otto wfo--0000660808 | 86, 87 | <i>Echinocactus punctulatus</i> Kitag. wfo--0001288488 | 401 |
| <i>Echinocactus platyacanthus</i> var. <i>palmeri</i> (Rose) H.P.Kelsey & Dayton wfo--0000660811 | 87 | <i>Echinocactus purpureus</i> Y.C.Chu wfo--0001288489 | 401 |
| <i>Echinocactus platycarpus</i> Hort. ex C.F.Först. wfo-- 0001288484 | 401 | <i>Echinocactus pycnacanthus</i> Poselg. wfo--0000660840 .. | 67 |
| <i>Echinocactus platycephalus</i> Muehlenpf. wfo--0000660813 | 171 | <i>Echinocactus pycnoxyphus</i> Lem. wfo--0000660843 | 140 |
| <i>Echinocactus platyceras</i> Lem. wfo--0000660814 | 87 | <i>Echinocactus pygmaeus</i> Speg. wfo--0000660844 | 146 |
| <i>Echinocactus platyceras</i> var. <i>laevior</i> C.F.Först. wfo-- 0000738809 | 87 | <i>Echinocactus pygmaeus</i> var. <i>phaeodiscus</i> Speg. wfo-- 0000660845 | 145 |
| <i>Echinocactus platyceras</i> var. <i>minax</i> Salm-Dyck ex C.F.Först. wfo--0000738810 | 87 | <i>Echinocactus pyramidalis</i> Pfeiff. wfo--0000660846 | 401 |
| <i>Echinocactus plicatilis</i> Irmsch. wfo--0001288485 | 401 | <i>Echinocactus pyramidatus</i> C.F.Först. wfo--0000660847 401 | |
| <i>Echinocactus pluricostatus</i> Gagnep. wfo--0001288486 | 401 | <i>Echinocactus quadrinatus</i> Wegener wfo--0000660848 .. | 401 |
| <i>Echinocactus polyacanthus</i> Link & Otto wfo--0000660815 | 287 | <i>Echinocactus quehlianus</i> F.Haage ex H.Quehl wfo-- 0000660849 | 159 |
| <i>Echinocactus polyancistrus</i> Engelm. & J.M.Bigelow wfo-- 0000660816 | 338 | <i>Echinocactus radiatus</i> Pfeiff. wfo--0000660850 | 67 |
| <i>Echinocactus polycephalus</i> Engelm. & J.M.Bigelow wfo-- 0000660817 | 171 | <i>Echinocactus radicans</i> Poselg. wfo--0000660851 | 63 |
| <i>Echinocactus polycephalus</i> subsp. <i>xeranthemoides</i> (J.M.Coult.) N.P.Taylor wfo--0000660821 | 171 | <i>Echinocactus radiosus</i> Poselg. wfo--0000660852 | 132 |
| | | <i>Echinocactus rafaelensis</i> J.A.Purpus wfo--0000660854 .. | 138 |
| | | <i>Echinocactus rapa</i> Fisch. & C.A.Mey. ex Regel wfo-- 0000660855 | 401 |
| | | <i>Echinocactus raphidacanthus</i> (Lem.) Poselg. wfo-- 0001258839 | 62 |
| | | <i>Echinocactus raphidacanthus</i> Salm-Dyck wfo-- 0000660856 | 401 |
| | | <i>Echinocactus raphidocentrus</i> Jacobi wfo--0000660857 .. | 401 |
| | | <i>Echinocactus rebutii</i> F.A.C.Weber wfo--0001288490 ... | 401 |
| | | <i>Echinocactus rectispinus</i> (Engelm.) Britton & Rose wfo-- 0000660858 | 138 |
| | | <i>Echinocactus recurvus</i> (Mill.) Link & Otto wfo-- 0000660859 | 140 |

| | | | |
|--|-----|--|-----|
| <i>Echinocactus recurvus</i> f. <i>solenacanthus</i> (Scheidw.) Schelle wfo--0000660862..... | 140 | <i>Echinocactus saltillensis</i> Poselg. wfo--0000660897..... | 87 |
| <i>Echinocactus recurvus</i> f. <i>spiralis</i> (Karw. ex Pfeiff.) Schelle wfo--0000660865..... | 141 | <i>Echinocactus sandillon</i> Gay wfo--0000660898..... | 113 |
| <i>Echinocactus recurvus</i> var. <i>bicolor</i> R.S.Cowan wfo--0000738812..... | 141 | <i>Echinocactus sanguiniflorus</i> Werderm. wfo--0000660899..... | 150 |
| <i>Echinocactus recurvus</i> var. <i>latispinus</i> (Haw.) Mittl. wfo--0000660860..... | 140 | <i>Echinocactus sanjuanensis</i> Speg. wfo--0000660900..... | 125 |
| <i>Echinocactus recurvus</i> var. <i>solenacanthus</i> (Scheidw.) Salm-Dyck wfo--0000660861..... | 140 | <i>Echinocactus santa-maria</i> Rose ex Schick wfo--0000660901..... | 142 |
| <i>Echinocactus recurvus</i> var. <i>spiralis</i> (Karw. ex Pfeiff.) K.Schum. wfo--0000660864..... | 141 | <i>Echinocactus saueri</i> Boed. wfo--0000660902..... | 373 |
| <i>Echinocactus recurvus</i> var. <i>tricuspidatus</i> C.F.Först. wfo--0000660866..... | 141 | <i>Echinocactus saussieri</i> F.A.C.Weber wfo--0000660903..... | 365 |
| <i>Echinocactus reductus</i> K.Schum. wfo--0000660867..... | 160 | <i>Echinocactus scheeri</i> Salm-Dyck wfo--0000660904..... | 339 |
| <i>Echinocactus reichei</i> K.Schum. wfo--0000660868..... | 122 | <i>Echinocactus scheeri</i> var. <i>brevihamatus</i> (Engelm.) K.Schum. wfo--0000660905..... | 336 |
| <i>Echinocactus reichenbachii</i> Terschek ex Walp. wfo--0000660869..... | 98 | <i>Echinocactus schickendantzii</i> F.A.C.Weber wfo--0000660906..... | 161 |
| <i>Echinocactus rettigii</i> Quehl wfo--0000660870..... | 276 | <i>Echinocactus schilinzkyanus</i> F.Haage ex K.Schum. wfo--0000660908..... | 146 |
| <i>Echinocactus retusus</i> Scheidw. wfo--0001288491..... | 401 | <i>Echinocactus schilinzkyanus</i> var. <i>grandiflorus</i> F.Haage wfo--0000738814..... | 146 |
| <i>Echinocactus rhodacanthus</i> Salm-Dyck wfo--0000660871..... | 79 | <i>Echinocactus schlechtendalii</i> Poselg. wfo--0000660909..... | 65 |
| <i>Echinocactus rhodacanthus</i> var. <i>coccineus</i> Monv. ex Labour. wfo--0000738813..... | 80 | <i>Echinocactus schlumbergeri</i> Cels wfo--0001288497..... | 423 |
| <i>Echinocactus rhodantherus</i> Boed. wfo--0000660872..... | 160 | <i>Echinocactus schmiedickeanus</i> Boed. wfo--0000660910..... | 373 |
| <i>Echinocactus rhodanthus</i> J.Forbes wfo--0001288492..... | 401 | <i>Echinocactus schottii</i> Small wfo--0000660911..... | 364 |
| <i>Echinocactus rhodophthalmus</i> Hook. wfo--0000660873..... | 364 | <i>Echinocactus schumannianus</i> Nicolai wfo--0000660912..... | 297 |
| <i>Echinocactus rhodophthalmus</i> var. <i>ellipticus</i> Hook. wfo--0000660875..... | 364 | <i>Echinocactus schumannianus</i> var. <i>longispinus</i> F.Haage wfo--0001430672..... | 298 |
| <i>Echinocactus rinconensis</i> Poselg. ex C.F.Först. wfo--0000660876..... | 367 | <i>Echinocactus schumannianus</i> var. <i>nigrispinus</i> F.Haage wfo--0001430673..... | 298 |
| <i>Echinocactus rinconensis</i> Poselg. wfo--0001288493..... | 367 | <i>Echinocactus schwebsianus</i> Werderm. wfo--0000660913..... | 298 |
| <i>Echinocactus ritteri</i> Boed. wfo--0000660877..... | 28 | <i>Echinocactus sclerothrix</i> Lehm. wfo--0000660914..... | 401 |
| <i>Echinocactus robustus</i> Link & Otto wfo--0001288494..... | 142 | <i>Echinocactus scopa</i> f. <i>albicans</i> (Arechav.) Schelle wfo--0000660918..... | 298 |
| <i>Echinocactus robustus</i> Otto ex Pfeiff. wfo--0000660878..... | 142 | <i>Echinocactus scopa</i> f. <i>candidus</i> (Pfeiff.) Schelle wfo--0000660920..... | 298 |
| <i>Echinocactus robustus</i> var. <i>monstruosus</i> Pfeiff. wfo--0000660879..... | 142 | <i>Echinocactus scopa</i> Link & Otto wfo--0000660915..... | 298 |
| <i>Echinocactus robustus</i> var. <i>prolifer</i> Pfeiff. wfo--0000660880..... | 142 | <i>Echinocactus scopa</i> var. <i>albicans</i> Arechav. wfo--0000660916..... | 298 |
| <i>Echinocactus rosaceus</i> Otto wfo--0001288495..... | 401 | <i>Echinocactus scopa</i> var. <i>candidus</i> Pfeiff. wfo--0000660919..... | 298 |
| <i>Echinocactus roseanus</i> Boed. wfo--0000660881..... | 6 | <i>Echinocactus sellowianus</i> Pfeiff. wfo--0000660921..... | 283 |
| <i>Echinocactus rostii</i> (Britton & Rose) A.Berger wfo--0000660882..... | 137 | <i>Echinocactus sellowii</i> f. <i>macracanthus</i> (Arechav.) Schelle wfo--0000660925..... | 284 |
| <i>Echinocactus rostratus</i> Jacobi wfo--0000660883..... | 126 | <i>Echinocactus sellowii</i> f. <i>macrogonus</i> (Arechav.) Schelle wfo--0000660928..... | 284 |
| <i>Echinocactus rotherianus</i> F.Haage ex H.Quehl wfo--0000660884..... | 401 | <i>Echinocactus sellowii</i> f. <i>martini</i> (Labour. ex Rümpler) Schelle wfo--0000660930..... | 284 |
| <i>Echinocactus rubrispinus</i> Ford ex Orcutt wfo--0000660886..... | 137 | <i>Echinocactus sellowii</i> f. <i>tetracanthus</i> (Lem.) Schelle wfo--0000660931..... | 284 |
| <i>Echinocactus rufispinus</i> Bertol. wfo--0000660887..... | 244 | <i>Echinocactus sellowii</i> f. <i>turbinatus</i> (Arechav.) Schelle wfo--0000660933..... | 284 |
| <i>Echinocactus saglionis</i> Cels wfo--0000660888..... | 161 | <i>Echinocactus sellowii</i> Link & Otto wfo--0000660922..... | 283 |
| <i>Echinocactus salinensis</i> Poselg. wfo--0000660889..... | 68 | <i>Echinocactus sellowii</i> var. <i>courantii</i> (Lem.) Gürke wfo--0000660923..... | 284 |
| <i>Echinocactus salm-dyckianus</i> (Scheer) Poselg. wfo--0000660891..... | 66 | <i>Echinocactus sellowii</i> var. <i>macracanthus</i> Arechav. wfo--0000660924..... | 284 |
| <i>Echinocactus salm-dyckianus</i> Pfeiff. wfo--0000660890..... | 58 | <i>Echinocactus sellowii</i> var. <i>macrogonus</i> Arechav. wfo--0001434748..... | 285 |
| <i>Echinocactus salmianus</i> Link & Otto wfo--0000660892..... | 245 | <i>Echinocactus sellowii</i> var. <i>macrogonus</i> Arechav. wfo--0000660926..... | 284 |
| <i>Echinocactus salmii</i> Jacobi wfo--0000660893..... | 401 | | |
| <i>Echinocactus salpigophorus</i> Pfeiff. ex Labour. wfo--0000660894..... | 3 | | |
| <i>Echinocactus saltensis</i> Speg. wfo--0000660895..... | 401 | | |
| <i>Echinocactus saltillensis</i> Glaz. wfo--0001288496..... | 66 | | |

| | | | |
|--|-----|--|-----|
| <i>Echinocactus sellowii</i> var. <i>martini</i> (Labour. ex Rümpler) K.Schum. wfo--0000660929 | 284 | <i>Echinocactus solenacanthus</i> Scheidw. wfo--0000660965 | 140 |
| <i>Echinocactus sellowii</i> var. <i>tetracanthus</i> (Lem.) K.Schum. wfo--0000738919 | 284 | <i>Echinocactus sparathacanthus</i> Mart. wfo--0001288500 | 401 |
| <i>Echinocactus sellowii</i> var. <i>turbinatus</i> Arechav. wfo-- 0000660932 | 284 | <i>Echinocactus spectabilis</i> Pfeiff. wfo--0001288501 | 401 |
| <i>Echinocactus sellowii</i> var. <i>typicus</i> Gürke wfo--0001430674 | 285 | <i>Echinocactus spegazzinii</i> F.A.C.Weber ex Spieg. wfo-- 0000660966 | 154 |
| <i>Echinocactus senilis</i> (Haw.) Beaton wfo--0000660934 | 38 | <i>Echinocactus sphacelatus</i> Poselg. wfo--0000660967 | 233 |
| <i>Echinocactus senilis</i> Phil. wfo--0000660935 | 124 | <i>Echinocactus sphaerocephalus</i> Muehlenpf. wfo-- 0000660969 | 352 |
| <i>Echinocactus sessiliflorus</i> Mackie ex Hook. wfo-- 0000660936 | 283 | <i>Echinocactus spina-christi</i> Zucc. ex Pfeiff. wfo-- 0000660970 | 245 |
| <i>Echinocactus sessiliflorus</i> Pfeiff. wfo--0000660938 | 414 | <i>Echinocactus spiniflorus</i> K.Schum. wfo--0000660971 | 4 |
| <i>Echinocactus sessiliflorus</i> var. <i>tetracanthus</i> (Lem.) Monv. ex Lem. wfo--0000660939 | 284 | <i>Echinocactus spinosior</i> K.Brandege ex Purpus wfo-- 0001288502 | 339 |
| <i>Echinocactus setispinus</i> Engelm. wfo--0000660940 | 368 | <i>Echinocactus spinosissimus</i> J.Forbes wfo--0001288503 | 402 |
| <i>Echinocactus setispinus</i> f. <i>cachetianus</i> (Labour.) Schelle wfo--0000660942 | 368 | <i>Echinocactus spinosus</i> Wegener wfo--0000660972 | 355 |
| <i>Echinocactus setispinus</i> f. <i>hamatus</i> (Muehlenpf.) Schelle wfo--0000660944 | 368 | <i>Echinocactus spiralis</i> Karw. ex Pfeiff. wfo--0000660973 | 141 |
| <i>Echinocactus setispinus</i> f. <i>mierensis</i> (K.Schum.) Schelle wfo--0000660946 | 368 | <i>Echinocactus spiralis</i> var. <i>stellaris</i> (Hemsl.) Salm-Dyck wfo-- -0000660974 | 141 |
| <i>Echinocactus setispinus</i> f. <i>orcuttii</i> (K.Schum.) Schelle wfo-- 0000660951 | 368 | <i>Echinocactus stainesii</i> Hook. ex Salm-Dyck wfo-- 0000660975 | 142 |
| <i>Echinocactus setispinus</i> var. <i>cachetianus</i> Labour. wfo-- 0000660941 | 368 | <i>Echinocactus stainesii</i> Hook. wfo--0001288504 | 142 |
| <i>Echinocactus setispinus</i> var. <i>hamatus</i> (Muehlenpf.) Engelm. wfo--0000660943 | 368 | <i>Echinocactus staplesiae</i> Tate wfo--0000660976 | 38 |
| <i>Echinocactus setispinus</i> var. <i>longihamatus</i> (Galeotti ex Pfeiff.) Poselg. wfo--0000738920 | 139 | <i>Echinocactus steinmannii</i> Solms wfo--0000660977 | 24 |
| <i>Echinocactus setispinus</i> var. <i>martelii</i> Schelle wfo-- 0001430675 | 368 | <i>Echinocactus stellaris</i> Hemsl. wfo--0000660979 | 141 |
| <i>Echinocactus setispinus</i> var. <i>mierensis</i> K.Schum. wfo-- 0000660945 | 368 | <i>Echinocactus stellatus</i> Scheidw. wfo--0000660980 | 140 |
| <i>Echinocactus setispinus</i> var. <i>muehlenpfordtii</i> (J.H.Fennell) J.M.Coult. wfo--0000660949 | 368 | <i>Echinocactus stellatus</i> Spieg. wfo--0000660981 | 159 |
| <i>Echinocactus setispinus</i> var. <i>orcuttii</i> K.Schum. wfo-- 0000660950 | 368 | <i>Echinocactus stenocarpus</i> K.Schum. wfo--0000660982 | 160 |
| <i>Echinocactus setispinus</i> var. <i>robustus</i> Poselg. wfo-- 0001430676 | 368 | <i>Echinocactus stenogonus</i> K.Schum. wfo--0000660983 | 352 |
| <i>Echinocactus setispinus</i> var. <i>setaceus</i> Engelm. wfo-- 0001430677 | 368 | <i>Echinocactus strausianus</i> K.Schum. wfo--0000660984 | 125 |
| <i>Echinocactus setispinus</i> var. <i>sinuatus</i> (A.Dietr.) Poselg. wfo--0000660952 | 139 | <i>Echinocactus streptocaulon</i> Hook. wfo--0000660985 | 59 |
| <i>Echinocactus setosus</i> Hemsl. wfo--0000660953 | 414 | <i>Echinocactus strobiliformis</i> Poselg. wfo--0000660986 | 129 |
| <i>Echinocactus sickmannii</i> Liebm. wfo--0000743805 | 401 | <i>Echinocactus stuckertii</i> Spieg. wfo--0000660987 | 161 |
| <i>Echinocactus sigelianus</i> Schick wfo--0000660954 | 152 | <i>Echinocactus stuemeri</i> var. <i>tilcarensis</i> Werderm. & Backeb. wfo--0000660990 | 299 |
| <i>Echinocactus sileri</i> Engelm. ex J.M.Coult. wfo-- 0000660955 | 301 | <i>Echinocactus stuemeri</i> Werderm. wfo--0000660988 | 299 |
| <i>Echinocactus similis</i> (Engelm.) Poselg. wfo--0000660956 | 130 | <i>Echinocactus subg.</i> <i>Notocactus</i> K.Schum. wfo-- 3500004024 | 279 |
| <i>Echinocactus simpsonii</i> Engelm. wfo--0000660958 | 301 | <i>Echinocactus subg.</i> <i>Stenocactus</i> K.Schum. wfo-- 3500004015 | 351 |
| <i>Echinocactus simpsonii</i> f. <i>minor</i> (Engelm.) Schelle wfo-- 0000660960 | 302 | <i>Echinocactus subg.</i> <i>Thelocactus</i> K.Schum. wfo-- 3500004033 | 364 |
| <i>Echinocactus simpsonii</i> var. <i>minor</i> Engelm. wfo-- 0000660959 | 302 | <i>Echinocactus subgibbosus</i> Haw. wfo--0000660991 | 125 |
| <i>Echinocactus simpsonii</i> var. <i>robustior</i> J.M.Coult. wfo-- 0000660961 | 302 | <i>Echinocactus subglaucus</i> Rydb. wfo--0000660992 | 337 |
| <i>Echinocactus sinuatus</i> A.Dietr. wfo--0000660962 | 139 | <i>Echinocactus subgrandicornis</i> Haage wfo--0001288505 | 402 |
| <i>Echinocactus smithii</i> Muehlenpf. wfo--0000660963 | 365 | <i>Echinocactus submammulosus</i> Lem. wfo--0000660993 | 290 |
| <i>Echinocactus soebrensis</i> K.Schum. wfo--0000660964 | 115 | <i>Echinocactus subniger</i> Poselg. ex Rümpler wfo-- 0000660994 | 402 |
| <i>Echinocactus soehrensii</i> K.Schum. wfo--0001288499 | 113 | <i>Echinocactus subnudus</i> (Britton & Rose) Luetzelb. wfo-- 0000660995 | 400 |
| | | <i>Echinocactus subporrectus</i> Lem. wfo--0000660996 | 367 |
| | | <i>Echinocactus subterraneus</i> Backeb. wfo--0000660997 | 320 |
| | | <i>Echinocactus subulifer</i> Link & Otto wfo--0001430678 | 142 |
| | | <i>Echinocactus subuliferus</i> Link & Otto wfo--0000660998 | 142 |
| | | <i>Echinocactus sulcatus</i> Pfeiff. wfo--0000660999 | 107 |
| | | <i>Echinocactus sulcolanatus</i> (Lem.) Poselg. wfo-- 0000661001 | 64 |
| | | <i>Echinocactus sulphureus</i> A.Dietr. wfo--0000661002 | 355 |
| | | <i>Echinocactus supertextus</i> Pfeiff. wfo--0000661003 | 117 |

| | | | |
|--|-------------|--|-----|
| <i>Echinocactus sutterianus</i> Schick ex A.Berger wfo-- 0000661004..... | 423 | <i>Echinocactus tubiflorus</i> (Pfeiff.) Hook. wfo--0000661038 | 109 |
| <i>Echinocactus sutterianus</i> Schick wfo--0001430679 | 152, 423 | <i>Echinocactus tulensis</i> Poselg. wfo--0000661039 | 368 |
| <i>Echinocactus tabularis</i> Cels ex K.Schum. wfo--0000661005 | 281 | <i>Echinocactus turbinatus</i> Pfeiff. wfo--0000661040 | 108 |
| <i>Echinocactus taltalensis</i> Werderm. wfo--0000661006.... | 60 | <i>Echinocactus turbiniformis</i> Pfeiff. wfo--0000661042.... | 360 |
| <i>Echinocactus tellii</i> A.Berger wfo--0000661007..... | 352 | <i>Echinocactus umadeave</i> Frič ex Werderm. wfo-- 0000661043 | 127 |
| <i>Echinocactus tenuiflorus</i> Link wfo--0001288506..... | 402 | <i>Echinocactus uncinatus</i> Engelm. ex Scheer wfo-- 0000661045 | 139 |
| <i>Echinocactus tenuispinus</i> Link & Otto wfo--0000661008 | 295 | <i>Echinocactus uncinatus</i> f. <i>wrightii</i> (Engelm.) Schelle wfo-- 0000661047 | 143 |
| <i>Echinocactus tenuispinus</i> var. <i>minor</i> Link & Otto wfo-- 0001430680..... | 295 | <i>Echinocactus uncinatus</i> Galeotti ex Pfeiff. wfo-- 0000661044 | 143 |
| <i>Echinocactus tephacanthus</i> Link & Otto wfo-- 0000661010..... | 283 | <i>Echinocactus uncinatus</i> var. <i>wrightii</i> Engelm. wfo-- 0000661046 | 143 |
| <i>Echinocactus tephacanthus</i> var. <i>spinosior</i> Labour. wfo-- 0001434749..... | 284 | <i>Echinocactus undulatus</i> A.Dietr. wfo--0000661048..... | 352 |
| <i>Echinocactus teretispinus</i> Lem. wfo--0000661011..... | 402 | <i>Echinocactus unguispinus</i> Engelm. wfo--0000661049.. | 339 |
| <i>Echinocactus terscheckii</i> Rchb. ex Terscheck wfo-- 0000661012..... | 284 | <i>Echinocactus urselianus</i> Monv. wfo--0000661050 | 414 |
| <i>Echinocactus tetracanthus</i> Lem. wfo--0000661013 | 284 | <i>Echinocactus uruguayensis</i> Arechav. wfo--0000661051155 | |
| <i>Echinocactus tetracentrus</i> Lem. wfo--0000661014 | 402 | <i>Echinocactus uruguayensis</i> f. <i>depressus</i> Osten wfo-- 0000661054 | 155 |
| <i>Echinocactus tetra-xiphus</i> Otto ex K.Schum. wfo-- 0000661015..... | 355 | <i>Echinocactus uruguensis</i> K.Schum. wfo--0001289284.. | 414 |
| <i>Echinocactus texensis</i> Hopffer wfo--0000661016 | 171 | <i>Echinocactus valdezianus</i> (H.Moeller) Boed. wfo-- 0000661055 | 375 |
| <i>Echinocactus texensis</i> var. <i>gourgensii</i> Cels ex Labour. wfo-- -0001288507 | 171 | <i>Echinocactus valparaiso</i> C.F.Först. wfo--0000661056 .. | 126 |
| <i>Echinocactus texensis</i> var. <i>longispinus</i> Schelle wfo-- 0000738922..... | 171 | <i>Echinocactus vanderweyi</i> Lem. wfo--0000661057 | 138 |
| <i>Echinocactus texensis</i> var. <i>treculianus</i> C.F.Först. wfo-- 0000738923..... | 139 | <i>Echinocactus van-gaertii</i> C.F.Först. wfo--0000661058 . | 402 |
| <i>Echinocactus theiacanthus</i> Lem. wfo--0000661017..... | 138 | <i>Echinocactus Vargasii</i> Regel & Klein bis wfo--0000661059 | 402 |
| <i>Echinocactus theionacanthus</i> Lem. wfo--0000661018.. | 138 | <i>Echinocactus vaupelianus</i> Werderm. wfo--0000661060 | 355 |
| <i>Echinocactus thelephorus</i> Hortus wfo--0001288508 | 402 | <i>Echinocactus verutum</i> C.F.Först. wfo--0001288511 | 402 |
| <i>Echinocactus thloideus</i> Salm-Dyck wfo--0000661020 | 367 | <i>Echinocactus victoriensis</i> Rose wfo--0000661061 | 138 |
| <i>Echinocactus thionanthus</i> Speg. wfo--0000661021 | 4 | <i>Echinocactus viereckii</i> Werderm. wfo--0000661062 | 375 |
| <i>Echinocactus thrincogonos</i> Lem. wfo--0000661022 | 126 | <i>Echinocactus villifer</i> Scheidw. wfo--0001288512..... | 402 |
| <i>Echinocactus thrincogonos</i> var. <i>elator</i> Lem. wfo-- 0000661023..... | 126 | <i>Echinocactus villosus</i> (Monv.) Labour. wfo--0000661063 | 128 |
| <i>Echinocactus tortuosus</i> Link & Otto wfo--0000661024.. | 295 | <i>Echinocactus villosus</i> var. <i>niger</i> A.Berger wfo-- 0000661065 | 128 |
| <i>Echinocactus tortus</i> Scheidw. wfo--0000661025 | 15 | <i>Echinocactus violaciflorus</i> Quehl wfo--0000661066 | 352 |
| <i>Echinocactus towensis</i> Cels wfo--0001288510..... | 402 | <i>Echinocactus viridescens</i> Nutt. wfo--0000661067 | 143 |
| <i>Echinocactus treculianus</i> Labour. wfo--0000661026.... | 139 | <i>Echinocactus viridescens</i> Torr. & A.Gray wfo--0001430682 | 143 |
| <i>Echinocactus tribolacanthus</i> Monv. ex Labour. wfo-- 0000661027..... | 402 | <i>Echinocactus viridescens</i> var. <i>cylindraceus</i> Engelm. wfo-- 0000661068 | 137 |
| <i>Echinocactus tricolor</i> (K.Schum.) Schelle wfo--0000661028 | 364 | <i>Echinocactus viridiflorus</i> (Engelm.) Pritz. wfo--0000661069 | 102 |
| <i>Echinocactus tricornis</i> Monv. ex A.Dietr. wfo--0000661029 | 81 | <i>Echinocactus visnaga</i> Hook. wfo--0001430683 | 87 |
| <i>Echinocactus tricuspis</i> Scheidw. wfo--0000661031..... | 354 | <i>Echinocactus viviparus</i> Poselg. wfo--0000661070 | 132 |
| <i>Echinocactus trifurcatus</i> Jacobi wfo--0000661032..... | 402 | <i>Echinocactus viznaga</i> Hook. wfo--0000661071 | 87 |
| <i>Echinocactus trollietii</i> Rebut wfo--0000661033 | 339 | <i>Echinocactus vorwerkianus</i> Werderm. wfo--0000661072 | 285 |
| <i>Echinocactus tuberculatus</i> Link & Otto wfo--0000661034 | 87 | <i>Echinocactus wagnerianus</i> A.Berger wfo--0000661073..... | 365 |
| <i>Echinocactus tuberculatus</i> var. <i>spiralis</i> DC. wfo-- 0000661035..... | 87 | <i>Echinocactus wangertii</i> Labour. wfo--0001288513 | 402 |
| <i>Echinocactus tubersulcatus</i> Jacobi wfo--0000661036 .. | 117 | <i>Echinocactus weberbaueri</i> Vaupel wfo--0000661075... .. | 241 |
| <i>Echinocactus tuberosus</i> Salm-Dyck ex C.F.Först. wfo-- 0000661037..... | 367 | <i>Echinocactus wegneri</i> Salm-Dyck wfo--0000661076 .. | 401 |
| <i>Echinocactus tuberosus</i> var. <i>subporrectus</i> C.F.Först. wfo-- 0001430681..... | 367 | <i>Echinocactus weingartianus</i> Haage Jr. wfo--0001288514 | 402 |
| | | <i>Echinocactus whipplei</i> Engelm. & J.M.Bigelow wfo-- 0000661077 | 340 |
| | | <i>Echinocactus whipplei</i> var. <i>glauca</i> (K.Schum.) J.A.Purpus wfo--0000661078 | 337 |

| | | | |
|---|-----|---|-----|
| <i>Echinocactus whipplei</i> var. <i>nanus</i> S.A.Mori wfo-- 0001430684..... | 340 | <i>Echinocereus acifer</i> (Otto ex Salm-Dyck) J.N.Haage wfo-- 0000661134..... | 88 |
| <i>Echinocactus whipplei</i> var. <i>spinosior</i> Engelm. wfo-- 0001430685..... | 339 | <i>Echinocereus acifer</i> (Otto ex Salm-Dyck) Jacobi wfo-- 0001430689..... | 88 |
| <i>Echinocactus wilhelmii</i> S.A.Mori wfo--0001288515..... | 402 | <i>Echinocereus acifer</i> (Otto ex Salm-Dyck) Lem. wfo-- 0001288519..... | 88 |
| <i>Echinocactus williamsii</i> Lem. ex Salm-Dyck wfo-- 0000661079..... | 193 | <i>Echinocereus acifer</i> subsp. <i>acifer</i> wfo--0001430690..... | 88 |
| <i>Echinocactus williamsii</i> var. <i>anhaloninicus</i> K.Schum. wfo-- 0001430686..... | 193 | <i>Echinocereus acifer</i> subsp. <i>huitcholensis</i> (F.A.C.Weber) Mich.Lange wfo--0000661136..... | 94 |
| <i>Echinocactus williamsii</i> var. <i>luteus</i> Rouhier wfo-- 0000661080..... | 193 | <i>Echinocereus acifer</i> subsp. <i>topiensis</i> (W.Rischer & Trocha) W.Rischer wfo--0000661137..... | 94 |
| <i>Echinocactus williamsii</i> var. <i>pellotinicus</i> K.Schum. wfo-- 0001430687..... | 193 | <i>Echinocereus acifer</i> subsp. <i>tubiflorus</i> W.Rischer wfo-- 0000661139..... | 88 |
| <i>Echinocactus winkleri</i> Poselg. wfo--0000661081..... | 67 | <i>Echinocereus acifer</i> subsp. <i>ventanensis</i> W.Rischer wfo-- 0000743806..... | 88 |
| <i>Echinocactus wippermannii</i> Muehlenpf. wfo--0000661083 | 355 | <i>Echinocereus acifer</i> var. <i>brevispinulus</i> Jacobi wfo-- 0000738928..... | 88 |
| <i>Echinocactus wislizeni</i> Engelm. wfo--0000661084..... | 143 | <i>Echinocereus acifer</i> var. <i>diversispinus</i> K.Schum. wfo-- 0000661135..... | 97 |
| <i>Echinocactus wislizeni</i> f. <i>albispinus</i> (Toumey) Schelle wfo-- 0000661086..... | 143 | <i>Echinocereus acifer</i> var. <i>durangensis</i> K.Schum. wfo-- 0000738929..... | 97 |
| <i>Echinocactus wislizeni</i> f. <i>lecontei</i> (Engelm.) Schelle wfo-- 0000661088..... | 137 | <i>Echinocereus acifer</i> var. <i>tenuispinus</i> Jacobi wfo-- 0000738815..... | 88 |
| <i>Echinocactus wislizeni</i> f. <i>phoeniceus</i> (R.E.Kunze) Schelle wfo--0000661090..... | 143 | <i>Echinocereus acifer</i> var. <i>trichacanthus</i> Hildm. wfo-- 0000661138..... | 88 |
| <i>Echinocactus wislizeni</i> subsp. <i>tiburonensis</i> (G.E.Linds.) Felger wfo--0000661091..... | 142 | <i>Echinocereus adustus</i> Engelm. wfo--0000661141..... | 88 |
| <i>Echinocactus wislizeni</i> var. <i>albispinus</i> Toumey wfo-- 0000661085..... | 143 | <i>Echinocereus adustus</i> subsp. <i>adustus</i> wfo--000125576388 | |
| <i>Echinocactus wislizeni</i> var. <i>albus</i> Costantin & Poiss. wfo-- 0000738925..... | 137 | <i>Echinocereus adustus</i> subsp. <i>bonatzii</i> (R.C.Römer) N.P.Taylor wfo--0000661142..... | 96 |
| <i>Echinocactus wislizeni</i> var. <i>decipiens</i> Engelm. wfo-- 0000738926..... | 143 | <i>Echinocereus adustus</i> subsp. <i>roemerianus</i> W.Rischer wfo-- 0001430691..... | 88 |
| <i>Echinocactus wislizeni</i> var. <i>latispinus</i> Schelle wfo-- 0000738927..... | 402 | <i>Echinocereus adustus</i> subsp. <i>schwarzii</i> (A.B.Lau) N.P.Taylor wfo--0000661144..... | 88 |
| <i>Echinocactus wislizeni</i> var. <i>lecontei</i> (Engelm.) Engelm. wfo-- --0000661087..... | 137 | <i>Echinocereus adustus</i> var. <i>schwarzii</i> (A.B.Lau) N.P.Taylor wfo--0000661143..... | 88 |
| <i>Echinocactus wislizeni</i> var. <i>phoeniceus</i> R.E.Kunze wfo-- 0000661089..... | 143 | <i>Echinocereus aggregatus</i> (Engelm.) Rydb. wfo-- 0000661145..... | 402 |
| <i>Echinocactus wrightii</i> (Engelm.) Small wfo--0000661092 | 143 | <i>Echinocereus albatu</i> s Backeb. wfo--0000661146..... | 95 |
| <i>Echinocactus wrightii</i> J.M.Coult. wfo--0001288516..... | 143 | <i>Echinocereus albiflorus</i> Weing. wfo--0000661147..... | 93 |
| <i>Echinocactus xanthacanthus</i> Miq. wfo--0000661094..... | 244 | <i>Echinocereus albispinus</i> Lahman wfo--0000661148..... | 98 |
| <i>Echinocactus xeranthemoides</i> (J.M.Coult.) Engelm. ex K.Schum. wfo--0000661095..... | 171 | <i>Echinocereus amoenus</i> (A.Dietr.) K.Schum. wfo-- 0000661149..... | 98 |
| <i>Echinocactus xeranthemoides</i> (J.M.Coult.) Engelm. wfo-- 0001288517..... | 171 | <i>Echinocereus angusticeps</i> Clover wfo--0000661152..... | 96 |
| <i>Echinocactus xiphacanthus</i> Miq. wfo--0000661096..... | 351 | <i>Echinocereus apachensis</i> W.Blum & Rutow wfo-- 0000661153..... | 89 |
| <i>Echinocactus zacatecasensis</i> A.Berger wfo--0000661097 | 353 | <i>Echinocereus arizonicus</i> Rose ex Orcutt wfo--0000661154 | 88 |
| <i>Echinocactus zehntneri</i> (Britton & Rose) Luetzelb. wfo-- 0000661098..... | 82 | <i>Echinocereus arizonicus</i> subsp. <i>arizonicus</i> wfo-- 0001430692..... | 88 |
| <i>Echinocereus xkunzei</i> Gürke wfo--0000661322..... | 94 | <i>Echinocereus arizonicus</i> subsp. <i>matudae</i> (Bravo) Rutow wfo--0000661155..... | 88 |
| <i>Echinocereus xlloydii</i> Britton & Rose wfo--0000661334..... | 94 | <i>Echinocereus arizonicus</i> subsp. <i>nigrihorridispinus</i> W.Blum & Rutow wfo--0000661156..... | 88 |
| <i>Echinocereus xneomexicanus</i> Standl. wfo--0001288548..... | 95 | <i>Echinocereus arizonicus</i> subsp. <i>oldachiorum</i> W.Blum & P.B.Breslin wfo--0001430693..... | 88 |
| <i>Echinocereus xroetteri</i> (Engelm.) Engelm. ex Rümpler wfo-- -0000661488..... | 99 | <i>Echinocereus armatus</i> (Poselg.) A.Berger wfo-- 0000661157..... | 98 |
| <i>Echinocereus xroetteri</i> var. <i>lloydii</i> (Britton & Rose) Backeb. wfo--0000661489..... | 99 | <i>Echinocereus bacanorensis</i> (W.Rischer & Trocha) W.Blum wfo--0001430694..... | 100 |
| <i>Echinocereus xroetteri</i> var. <i>neomexicanus</i> (J.M.Coult.) A.D.Zimmerman wfo--0000661490..... | 99 | <i>Echinocereus baileyi</i> Rose wfo--0000661158..... | 98 |
| <i>Echinocereus abbeae</i> Parsons wfo--0000661133..... | 92 | <i>Echinocereus baileyi</i> var. <i>albispinus</i> (Lahman) Backeb. wfo-- -0000661159..... | 98 |
| <i>Echinocereus acanthosetus</i> (S.Arias & U.Guzmán) Gómez- Quintero & Dan.Sánchez wfo--0001430688..... | 88 | | |

| | | | |
|---|-----|---|-----|
| <i>Echinocereus baileyi</i> var. <i>brunispinus</i> Backeb. wfo-- 0000738816..... | 99 | <i>Echinocereus caespitosus</i> f. <i>castaneus</i> (Engelm.) Borg wfo-- -0000661181..... | 98 |
| <i>Echinocereus baileyi</i> var. <i>caespiticus</i> Backeb. wfo-- 0000661160..... | 99 | <i>Echinocereus caespitosus</i> var. <i>castaneus</i> (Engelm.) Rümppler wfo--0000738820..... | 98 |
| <i>Echinocereus baileyi</i> var. <i>flavispinus</i> Backeb. wfo-- 0000738817..... | 99 | <i>Echinocereus caespitosus</i> var. <i>major</i> (Engelm.) Rümppler wfo--0000738821..... | 98 |
| <i>Echinocereus baileyi</i> var. <i>roseispinus</i> Backeb. wfo-- 0000738818..... | 99 | <i>Echinocereus candicans</i> (Gillies ex Salm-Dyck) Lem. wfo-- 0000661182..... | 346 |
| <i>Echinocereus bakeri</i> W.Blum, Oldach & J.Oldach wfo-- 0001430695..... | 91 | <i>Echinocereus candicans</i> (Gillies ex Salm-Dyck) Rümppler wfo--0001288523..... | 346 |
| <i>Echinocereus barcena</i> Rebut ex A.Berger wfo-- 0000661161..... | 94 | <i>Echinocereus candicans</i> var. <i>tenuispinus</i> H.Pfeiff. ex Rümppler wfo--0000738822..... | 346 |
| <i>Echinocereus barthelowanus</i> Britton & Rose wfo-- 0000661163..... | 88 | <i>Echinocereus canus</i> D.Felix & H.Bauer wfo--00014306989 | |
| <i>Echinocereus berlandieri</i> (Engelm.) Haage wfo-- 0000661164..... | 88 | <i>Echinocereus canyonensis</i> Clover & Jotter wfo-- 0000661184..... | 91 |
| <i>Echinocereus berlandieri</i> var. <i>angusticeps</i> (Clover) L.D.Benson wfo--0000661165..... | 96 | <i>Echinocereus carmenensis</i> W.Blum, Mich.Lange & Scherer wfo--0000661185..... | 89 |
| <i>Echinocereus berlandieri</i> var. <i>blanckii</i> (Poselg.) P.Fourn. wfo--0000661166..... | 88 | <i>Echinocereus carnosus</i> Rümppler wfo--0000661186..... | 93 |
| <i>Echinocereus berlandieri</i> var. <i>papillosus</i> (Linke ex Rümppler) L.D.Benson wfo--0000661167..... | 96 | <i>Echinocereus castaneus</i> (Engelm.) Orcutt wfo-- 0000661187..... | 98 |
| <i>Echinocereus berlandieri</i> var. <i>poselgerianus</i> (Linke) Lodé wfo--0000661168..... | 89 | <i>Echinocereus centralis</i> (J.M.Coult.) Rose wfo--0000661188 | 337 |
| <i>Echinocereus bertinii</i> (J.F.Cels) Walton wfo--0000661169 | 16 | <i>Echinocereus chaletii</i> W.Rischer wfo--0000743807..... | 89 |
| <i>Echinocereus bicolor</i> Galeotti ex Pfeiff. wfo--0001236180 | 402 | <i>Echinocereus chiloensis</i> (Colla) Console & Lem. wfo-- 0000661189..... | 178 |
| <i>Echinocereus blanckii</i> (Poselg.) Palmer wfo--0000661170 | 88 | <i>Echinocereus chisosensis</i> subsp. <i>chisosensis</i> wfo-- 0001434750..... | 89 |
| <i>Echinocereus blanckii</i> var. <i>angusticeps</i> L.D.Benson wfo-- 0001287019..... | 89 | <i>Echinocereus chisosensis</i> subsp. <i>fobeanus</i> (Oehme) N.P.Taylor wfo--0000661192..... | 89 |
| <i>Echinocereus blanckii</i> var. <i>papillosus</i> (Linke ex Rümppler) L.D.Benson wfo--0000661171..... | 96 | <i>Echinocereus chisosensis</i> var. <i>fobeanus</i> (Oehme) N.P.Taylor wfo--0000661191..... | 89 |
| <i>Echinocereus blumii</i> D.Felix & H.Bauer wfo--0001430696 | 89 | <i>Echinocereus chisosensis</i> W.T.Marshall wfo--0000661190 | 89 |
| <i>Echinocereus bolansis</i> Runge wfo--0001288520..... | 365 | <i>Echinocereus chloranthus</i> (Engelm.) J.N.Haage wfo-- 0000661193..... | 89 |
| <i>Echinocereus boliviensis</i> Poselg. wfo--0001288521..... | 402 | <i>Echinocereus chloranthus</i> Haage wfo--0001269385..... | 89 |
| <i>Echinocereus bonatzii</i> R.C.Römer wfo--0000661173..... | 96 | <i>Echinocereus chloranthus</i> Rümppler wfo--0001287422..... | 89 |
| <i>Echinocereus bonkeræ</i> subsp. <i>apachensis</i> (W.Blum & Rutow) A.D.Zimmerman wfo--0001430697..... | 89 | <i>Echinocereus chloranthus</i> subsp. <i>cylindricus</i> (Engelm.) W.Blum & Mich.Lange wfo--0000661196..... | 89 |
| <i>Echinocereus bonkeræ</i> subsp. <i>bonkeræ</i> wfo-- 0001430698..... | 89 | <i>Echinocereus chloranthus</i> subsp. <i>rhyolitensis</i> W.Blum & Mich.Lange wfo--0001430700..... | 90 |
| <i>Echinocereus bonkeræ</i> Thornber & Bonker wfo-- 0000661174..... | 89 | <i>Echinocereus chloranthus</i> subsp. <i>rhyolithensis</i> W.Blum & Mich.Lange wfo--0000661197..... | 90 |
| <i>Echinocereus boyce-thompsonii</i> Orcutt wfo--0000661175 | 92 | <i>Echinocereus chloranthus</i> var. <i>cylindricus</i> (Engelm.) N.P.Taylor wfo--0000661195..... | 89 |
| <i>Echinocereus boyce-thompsonii</i> var. <i>bonkeræ</i> (Thornber & Bonker) Peebles wfo--0001236965..... | 89 | <i>Echinocereus chloranthus</i> var. <i>neocapillus</i> D.Weniger wfo-- -0001430701..... | 95 |
| <i>Echinocereus brandegeei</i> (J.M.Coult.) K.Schum. wfo-- 0001288522..... | 89 | <i>Echinocereus chloranthus</i> var. <i>russanthus</i> (D.Weniger) Lamb. ex G.D.Rowley wfo--0000661198..... | 99 |
| <i>Echinocereus brandegeei</i> (J.M.Coult.) Schelle wfo-- 0000661176..... | 89 | <i>Echinocereus chlorophthalmus</i> (Hook.) Britton & Rose wfo-- -0000661199..... | 90 |
| <i>Echinocereus brandegeei</i> var. <i>sanborgianus</i> (J.M.Coult.) Lodé wfo--0001254407..... | 89 | <i>Echinocereus chrysocentrus</i> (Engelm. & J.M.Bigelow) Orcutt wfo--0000661201..... | 92 |
| <i>Echinocereus bristolii</i> subsp. <i>floresii</i> (Backeb.) W.Blum & Mich.Lange wfo--0000661178..... | 100 | <i>Echinocereus cinerascens</i> (DC.) Lem. wfo--0000661202..... | 90 |
| <i>Echinocereus bristolii</i> var. <i>pseudopectinatus</i> N.P.Taylor wfo--0000661179..... | 98 | <i>Echinocereus cinerascens</i> subsp. <i>cinerascens</i> wfo-- 0001255766..... | 90 |
| <i>Echinocereus bristolii</i> W.T.Marshall wfo--0000661177..... | 89 | <i>Echinocereus cinerascens</i> subsp. <i>ehrenbergii</i> (Pfeiff.) W.Blum & Rutow wfo--0000661205..... | 90 |
| <i>Echinocereus caespitosus</i> (Engelm.) Engelm. wfo-- 0000661180..... | 98 | <i>Echinocereus cinerascens</i> subsp. <i>septentrionalis</i> (N.P.Taylor) N.P.Taylor wfo--0000661207..... | 90 |
| | | <i>Echinocereus cinerascens</i> subsp. <i>tulensis</i> (Bravo) N.P.Taylor wfo--0000661209..... | 90 |

| | | | |
|---|-----|---|-----|
| <i>Echinocereus cinerascens</i> var. <i>crassior</i> Rümpler wfo--0000738823..... | 90 | <i>Echinocereus dasyacanthus</i> Engelm. wfo--0000661233..... | 91 |
| <i>Echinocereus cinerascens</i> var. <i>ehrenbergii</i> (Pfeiff.) Bravo wfo--0000661203..... | 90 | <i>Echinocereus dasyacanthus</i> subsp. <i>crockettianus</i> D.Felix & H.Bauer wfo--0001430708..... | 92 |
| <i>Echinocereus cinerascens</i> var. <i>septentrionalis</i> N.P.Taylor wfo--0000661206..... | 90 | <i>Echinocereus dasyacanthus</i> subsp. <i>ctenoides</i> (Engelm.) Lodé wfo--0001430709..... | 91 |
| <i>Echinocereus cinerascens</i> var. <i>tulensis</i> (Bravo) N.P.Taylor wfo--0000661208..... | 90 | <i>Echinocereus dasyacanthus</i> subsp. <i>dasyacanthus</i> wfo--0001286397..... | 92 |
| <i>Echinocereus cinnabarinus</i> (Hook.) K.Schum. wfo--0000661210..... | 183 | <i>Echinocereus dasyacanthus</i> subsp. <i>multispinosus</i> D.Felix & H.Bauer wfo--0001430710..... | 92 |
| <i>Echinocereus cirrhifer</i> (Labour.) J.N.Haage wfo--0001430702..... | 90 | <i>Echinocereus dasyacanthus</i> subsp. <i>rectispinus</i> (Trocha & Fethke) W.Blum, W.Rischer & Rutow wfo--0000661237..... | 92 |
| <i>Echinocereus cirrhiferus</i> (Labour.) J.N.Haage wfo--0000661211..... | 90 | <i>Echinocereus dasyacanthus</i> var. <i>ctenoides</i> (Engelm.) Backeb. wfo--0000661234..... | 91 |
| <i>Echinocereus clavatus</i> (Phil. ex K.Schum.) K.Schum. wfo--0000661212..... | 16 | <i>Echinocereus dasyacanthus</i> var. <i>rectispinus</i> Trocha & Fethke wfo--0000661235..... | 92 |
| <i>Echinocereus claviformis</i> J.N.Haage wfo--0000661213..... | 402 | <i>Echinocereus dasyacanthus</i> var. <i>rigidissimus</i> (Engelm.) W.T.Marshall wfo--0000661238..... | 99 |
| <i>Echinocereus coccineus</i> Engelm. wfo--0000661214..... | 90 | <i>Echinocereus davisii</i> Houghton wfo--0000661239..... | 92 |
| <i>Echinocereus coccineus</i> subsp. <i>aggregatus</i> (Engelm.) W.Blum, Mich.Lange & Rutow wfo--0000661216..... | 90 | <i>Echinocereus decumbens</i> Clover & Jotter wfo--0000661240..... | 92 |
| <i>Echinocereus coccineus</i> subsp. <i>coccineus</i> wfo--0001430703..... | 90 | <i>Echinocereus delaetii</i> (Gürke) Gürke wfo--0000661241..... | 95 |
| <i>Echinocereus coccineus</i> subsp. <i>gurneyi</i> (L.D.Benson) D.Felix & H.Bauer wfo--0001430704..... | 94 | <i>Echinocereus delaetii</i> var. <i>freudenbergeri</i> (G.Frank) N.P.Taylor wfo--0000661242..... | 95 |
| <i>Echinocereus coccineus</i> subsp. <i>mojavensis</i> (Engelm. & J.M.Bigelow) N.P.Taylor wfo--0000661221..... | 101 | <i>Echinocereus deppei</i> K.Schum. wfo--0001288526..... | 90 |
| <i>Echinocereus coccineus</i> subsp. <i>paucispinus</i> (Engelm.) W.Blum, Mich.Lange & Rutow wfo--0001286411..... | 91 | <i>Echinocereus dubius</i> (Engelm.) Engelm. ex Rümpler wfo--0000661243..... | 93 |
| <i>Echinocereus coccineus</i> subsp. <i>roemerii</i> (Muehlenpf.) W.Blum, Mich.Lange & Rutow wfo--0000661224..... | 91 | <i>Echinocereus durangensis</i> Rümpler wfo--0000745111..... | 97 |
| <i>Echinocereus coccineus</i> subsp. <i>rosei</i> (Wooton & Standl.) W.Blum & Rutow wfo--0000661226..... | 91 | <i>Echinocereus durangensis</i> var. <i>nigrispinus</i> Rümpler wfo--0000738824..... | 97 |
| <i>Echinocereus coccineus</i> subsp. <i>santaritensis</i> (W.Blum & Rutow) M.A.Baker wfo--0001430705..... | 100 | <i>Echinocereus durangensis</i> var. <i>rufispinus</i> Rümpler wfo--0000738825..... | 97 |
| <i>Echinocereus coccineus</i> subsp. <i>transpecosensis</i> W.Blum, Oldach & J.Oldach wfo--0001430706..... | 90 | <i>Echinocereus ehrenbergii</i> (Pfeiff.) Engelm. ex J.N.Haage wfo--0000661244..... | 90 |
| <i>Echinocereus coccineus</i> var. <i>arizonicus</i> (Rose ex Orcutt) D.J.Ferguson wfo--0000661217..... | 88 | <i>Echinocereus ehrenbergii</i> (Pfeiff.) Rümpler wfo--0001288527..... | 90 |
| <i>Echinocereus coccineus</i> var. <i>gurneyi</i> (L.D.Benson) K.D.Heil & S.Brack wfo--0000661218..... | 94 | <i>Echinocereus ehrenbergii</i> var. <i>cristatus</i> C.F.Först. wfo--0000738826..... | 391 |
| <i>Echinocereus coccineus</i> var. <i>inermis</i> (K.Schum.) J.A.Purpus wfo--0000661219..... | 101 | <i>Echinocereus emoryi</i> (Engelm.) Rümpler wfo--0001288528..... | 28 |
| <i>Echinocereus coccineus</i> var. <i>kunzei</i> (Gürke) Backeb. wfo--0000661220..... | 94 | <i>Echinocereus</i> Engelm. wfo--4000012914..... | 87 |
| <i>Echinocereus coccineus</i> var. <i>octacanthus</i> (Muehlenpf.) Boissev. wfo--0000661222..... | 91 | <i>Echinocereus engelmannii</i> (Parry ex Engelm.) Lem. wfo--0000661245..... | 92 |
| <i>Echinocereus coccineus</i> var. <i>paucispinus</i> (Engelm.) D.J.Ferguson wfo--0000661223..... | 91 | <i>Echinocereus engelmannii</i> subsp. <i>decumbens</i> (Clover & Jotter) W.Blum & Mich.Lange wfo--0000661249..... | 92 |
| <i>Echinocereus coccineus</i> var. <i>rosei</i> (Wooton & Standl.) A.D.Zimmerman wfo--0000661227..... | 91 | <i>Echinocereus engelmannii</i> subsp. <i>engelmannii</i> wfo--0001430711..... | 92 |
| <i>Echinocereus conglomeratus</i> C.F.Först. ex K.Schum. wfo--0001430707..... | 101 | <i>Echinocereus engelmannii</i> subsp. <i>fasciculatus</i> (Engelm.) W.Blum & Mich.Lange wfo--0000661250..... | 92 |
| <i>Echinocereus conglomeratus</i> Mathsson wfo--0000661228..... | 101 | <i>Echinocereus engelmannii</i> subsp. <i>llanuraensis</i> (Rutow) Felger wfo--0000661251..... | 93 |
| <i>Echinocereus conoideus</i> (Engelm. & J.M.Bigelow) Rümpler wfo--0001288524..... | 91 | <i>Echinocereus engelmannii</i> subsp. <i>variegatus</i> (Engelm. & J.M.Bigelow) E.Lutz wfo--0000661257..... | 92 |
| <i>Echinocereus conoideus</i> var. <i>cristata</i> Houghton wfo--0000661230..... | 90 | <i>Echinocereus engelmannii</i> var. <i>acicularis</i> L.D.Benson wfo--0001430712..... | 92 |
| <i>Echinocereus ctenoides</i> (Engelm.) Rümpler wfo--0000661231..... | 91 | <i>Echinocereus engelmannii</i> var. <i>armatus</i> L.D.Benson wfo--0001430713..... | 92 |
| <i>Echinocereus cucumis</i> Werderm. wfo--0000661232..... | 100 | <i>Echinocereus engelmannii</i> var. <i>chrysoctrus</i> (Engelm. & J.M.Bigelow) Rümpler wfo--0000661247..... | 92 |
| <i>Echinocereus dahliaeflorus</i> Moellers wfo--0001288525391..... | | <i>Echinocereus engelmannii</i> var. <i>decumbens</i> (Clover & Jotter) L.D.Benson wfo--0000661248..... | 92 |

| | | | |
|--|-----|--|-----|
| <i>Echinocereus engelmannii</i> var. <i>engelmannii</i> wfo--0001287408..... | 92 | <i>Echinocereus fendleri</i> subsp. <i>rectispinus</i> (Peebles) N.P.Taylor wfo--0000661284..... | 93 |
| <i>Echinocereus engelmannii</i> var. <i>howei</i> L.D.Benson wfo--0001430714..... | 92 | <i>Echinocereus fendleri</i> var. <i>albiflorus</i> (Weing.) Backeb. wfo--0000661274..... | 93 |
| <i>Echinocereus engelmannii</i> var. <i>munzii</i> (Parish) Pierce & Fosberg wfo--0000661252..... | 92 | <i>Echinocereus fendleri</i> var. <i>bonkeriae</i> (Thornber & Bonker) L.D.Benson wfo--0000661275..... | 89 |
| <i>Echinocereus engelmannii</i> var. <i>nicholii</i> L.D.Benson wfo--0000661253..... | 95 | <i>Echinocereus fendleri</i> var. <i>boyce-thompsonii</i> (Orcutt) L.D.Benson wfo--0000661276..... | 92 |
| <i>Echinocereus engelmannii</i> var. <i>purpureus</i> L.D.Benson wfo--0001430715..... | 92 | <i>Echinocereus fendleri</i> var. <i>fasciculatus</i> (Engelm.) N.P.Taylor wfo--0000661278..... | 92 |
| <i>Echinocereus engelmannii</i> var. <i>robustior</i> Hildm. wfo--0000738827..... | 92 | <i>Echinocereus fendleri</i> var. <i>kuenzleri</i> (Castetter, P.Pierce & K.H.Schwer.) L.D.Benson wfo--0000661280..... | 93 |
| <i>Echinocereus engelmannii</i> var. <i>variegatus</i> (Engelm. & J.M.Bigelow) Rümpler wfo--0000661256..... | 92 | <i>Echinocereus fendleri</i> var. <i>ledingii</i> (Peebles) N.P.Taylor wfo--0000661281..... | 94 |
| <i>Echinocereus engelmannii</i> var. <i>versicolor</i> Miers wfo--0000738828..... | 92 | <i>Echinocereus fendleri</i> var. <i>pauperculus</i> (Engelm.) G.Unger wfo--0000661282..... | 93 |
| <i>Echinocereus enneacanthus</i> Engelm. wfo--0000661258..... | 93 | <i>Echinocereus fendleri</i> var. <i>rectispinus</i> (Peebles) L.D.Benson wfo--0000661283..... | 93 |
| <i>Echinocereus enneacanthus</i> f. <i>brevispinus</i> W.O.Moore wfo--0000661259..... | 93 | <i>Echinocereus fendleri</i> var. <i>robustus</i> (Peebles) L.D.Benson wfo--0000661285..... | 92 |
| <i>Echinocereus enneacanthus</i> f. <i>intermedius</i> W.O.Moore wfo--0000661265..... | 93 | <i>Echinocereus ferreiranus</i> H.E.Gates wfo--0000661286..... | 93 |
| <i>Echinocereus enneacanthus</i> subsp. <i>brevispinus</i> (W.O.Moore) N.P.Taylor wfo--0000661261..... | 93 | <i>Echinocereus ferreiranus</i> subsp. <i>ferreiranus</i> wfo--0001434752..... | 93 |
| <i>Echinocereus enneacanthus</i> subsp. <i>enneacanthus</i> wfo--0001255767..... | 93 | <i>Echinocereus ferreiranus</i> subsp. <i>lindsayorum</i> (J.Meyrán) N.P.Taylor wfo--0000661289..... | 94 |
| <i>Echinocereus enneacanthus</i> subsp. <i>intermedius</i> (W.O.Moore) Blum & Lange wfo--0001430716..... | 93 | <i>Echinocereus ferreiranus</i> var. <i>lindsayorum</i> (J.Meyrán) N.P.Taylor wfo--0000661287..... | 94 |
| <i>Echinocereus enneacanthus</i> var. <i>brevispinus</i> (W.O.Moore) L.D.Benson wfo--0000661260..... | 93 | <i>Echinocereus fitchii</i> Britton & Rose wfo--0000661290..... | 99 |
| <i>Echinocereus enneacanthus</i> var. <i>carnosus</i> (Rümpler) Quehl wfo--0000661262..... | 93 | <i>Echinocereus fitchii</i> subsp. <i>albertii</i> (L.D.Benson) W.Blum & Mich.Lange wfo--0000661291..... | 99 |
| <i>Echinocereus enneacanthus</i> var. <i>conglomeratus</i> (C.F.Först. ex K.Schum.) L.D.Benson wfo--0000661263..... | 101 | <i>Echinocereus fitchii</i> subsp. <i>armatus</i> (Poselg.) W.Blum, Mich.Lange & Rutow wfo--0000661292..... | 98 |
| <i>Echinocereus enneacanthus</i> var. <i>dubius</i> (Engelm.) L.D.Benson wfo--0000661264..... | 93 | <i>Echinocereus fitchii</i> subsp. <i>bergmannii</i> W.Blum wfo--0000509133..... | 99 |
| <i>Echinocereus enneacanthus</i> var. <i>enneacanthus</i> wfo--0001287421..... | 93 | <i>Echinocereus flavescens</i> (Pfeiff.) Engelm. ex J.N.Haage wfo--0000661293..... | 164 |
| <i>Echinocereus enneacanthus</i> var. <i>stramineus</i> (Engelm.) L.D.Benson wfo--0000661267..... | 101 | <i>Echinocereus flaviflorus</i> (Engelm. ex J.M.Coult.) Hildemann wfo--0001288529..... | 95 |
| <i>Echinocereus fasciculatus</i> (Engelm.) L.D.Benson wfo--0000661268..... | 92 | <i>Echinocereus floresii</i> Schwarz ex Backeb. wfo--0001255781..... | 100 |
| <i>Echinocereus fasciculatus</i> subsp. <i>bonkeriae</i> (Thornber & Bonker) N.P.Taylor wfo--0000661270..... | 89 | <i>Echinocereus fobeanus</i> Oehme wfo--0000661295..... | 89 |
| <i>Echinocereus fasciculatus</i> subsp. <i>boyce-thompsonii</i> (Orcutt) N.P.Taylor wfo--0000661272..... | 92 | <i>Echinocereus fobeanus</i> subsp. <i>metornii</i> (G.Frank) W.Blum & Mich.Lange wfo--0000661296..... | 95 |
| <i>Echinocereus fasciculatus</i> subsp. <i>fasciculatus</i> wfo--0001434751..... | 92 | <i>Echinocereus freudenbergeri</i> G.Frank wfo--0000661297..... | 95 |
| <i>Echinocereus fasciculatus</i> var. <i>bonkeriae</i> (Thornber & Bonker) L.D.Benson wfo--0000661269..... | 89 | <i>Echinocereus galtieri</i> Miers wfo--0001288530..... | 402 |
| <i>Echinocereus fasciculatus</i> var. <i>boyce-thompsonii</i> (Orcutt) L.D.Benson wfo--0000661271..... | 92 | <i>Echinocereus gentryi</i> Clover wfo--0000661298..... | 100 |
| <i>Echinocereus felixianus</i> H.Bauer wfo--0001430717..... | 93 | <i>Echinocereus gladiatus</i> (Lem.) J.N.Haage wfo--0000661300..... | 346 |
| <i>Echinocereus fendleri</i> (Engelm.) Rümpler wfo--0000661273..... | 93 | <i>Echinocereus glycimorphus</i> C.F.Först. ex Rümpler wfo--0000661301..... | 90 |
| <i>Echinocereus fendleri</i> (Engelm.) Sencke ex J.N.Haage wfo--0001287087..... | 93 | <i>Echinocereus glycimorphus</i> var. <i>undulatus</i> Schelle wfo--0000661302..... | 90 |
| <i>Echinocereus fendleri</i> Seitz wfo--0001255768..... | 414 | <i>Echinocereus gonacanthus</i> (Engelm. & J.M.Bigelow) Lem. wfo--0000661303..... | 102 |
| <i>Echinocereus fendleri</i> subsp. <i>fendleri</i> wfo--0001430718..... | 93 | <i>Echinocereus gonacanthus</i> Rümpler wfo--0001288531..... | 102 |
| <i>Echinocereus fendleri</i> subsp. <i>hempelii</i> (Fobe) W.Blum wfo--0000661279..... | 93 | <i>Echinocereus grahamii</i> Teijsm. & Binn. wfo--0001288532..... | 402 |
| <i>Echinocereus fendleri</i> subsp. <i>kuenzleri</i> (Castetter, P.Pierce & K.H.Schwer.) W.Blum & D.Felix wfo--0001430719..... | 93 | <i>Echinocereus grandis</i> Britton & Rose wfo--0000661304..... | 94 |
| | | <i>Echinocereus grusonii</i> (Hildm.) Von Zeisold wfo--0000738829..... | 174 |
| | | <i>Echinocereus grusonii</i> var. <i>azureus</i> Von Zeisold wfo--0000745038..... | 174 |

| | |
|---|-----|
| <i>Echinocereus gurneyi</i> (L.D.Benson) W.Blum, Oldach & J.Oldach wfo--0001430720 | 94 |
| <i>Echinocereus hancockii</i> E.Y.Dawson wfo--0000661305..... | 95 |
| <i>Echinocereus havermansii</i> Rebut wfo--0001288533 | 402 |
| <i>Echinocereus hempelii</i> Fobe wfo--0000661306..... | 93 |
| <i>Echinocereus hexaedrus</i> Rümpler wfo--0001288534 | 101 |
| <i>Echinocereus hildmannii</i> Arendt wfo--0000661307 | 91 |
| <i>Echinocereus hutchinsii</i> (F.A.C.Weber) M.Gürke wfo--0000661308..... | 94 |
| <i>Echinocereus hypogaeus</i> (F.A.C.Weber ex Regel) F.A.C.Weber ex K.Schum. wfo--0000661309..... | 16 |
| <i>Echinocereus hypogaeus</i> (F.A.C.Weber ex Regel) F.A.C.Weber ex Rümpler wfo--0001288535 | 16 |
| <i>Echinocereus inermis</i> Haage Jr. wfo--0001288536 | 94 |
| <i>Echinocereus intricatus</i> (Salm-Dyck) Sencke ex J.N.Haage wfo--0000661311 | 349 |
| <i>Echinocereus jacobyi</i> K.Schum. wfo--0001288537 | 93 |
| <i>Echinocereus klapperi</i> subsp. <i>bacanorensis</i> (W.Rischer & Trocha) W.Rischer wfo--0000661313..... | 100 |
| <i>Echinocereus klapperi</i> W.Blum wfo--0000661312..... | 94 |
| <i>Echinocereus knippelianus</i> Liebner wfo--0000661314 | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>kaplani</i> Halda & Sladk. wfo--0001430721 | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>klapanii</i> Halda & Sladk. wfo--0001286399..... | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>knippelianus</i> wfo--0001286398..... | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>kruegeri</i> (Glass & R.A.Foster) Glass wfo--0000661316..... | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>kruegeri</i> (Glass & R.A.Foster) W.Blum & Mich.Lange wfo--0001256190..... | 94 |
| <i>Echinocereus knippelianus</i> subsp. <i>reyesii</i> (A.B.Lau) W.Blum & Mich.Lange wfo--0000661318..... | 94 |
| <i>Echinocereus knippelianus</i> var. <i>kruegeri</i> Glass & R.A.Foster wfo--0000661315..... | 94 |
| <i>Echinocereus knippelianus</i> var. <i>reyesii</i> A.B.Lau wfo--0000661317..... | 94 |
| <i>Echinocereus koehresianus</i> (G.Frank) W.Rischer wfo--0000743808..... | 94 |
| <i>Echinocereus koehresianus</i> subsp. <i>gruberianus</i> W.Rischer wfo--0001430722..... | 94 |
| <i>Echinocereus krausei</i> De Smet wfo--0001288538 | 91 |
| <i>Echinocereus kroenleinii</i> (Mich.Lange) W.Blum & Waldeis wfo--0000661319..... | 94 |
| <i>Echinocereus kuenzleri</i> Castetter, P.Pierce & K.H.Schwer. wfo--0000661321 | 93 |
| <i>Echinocereus labouretianus</i> Lem. wfo--0001288539 | 102 |
| <i>Echinocereus lamprochlorus</i> (Lem.) Engelm. ex J.N.Haage wfo--0000661323..... | 402 |
| <i>Echinocereus lamprochlorus</i> Rümpler wfo--0001288540 | 402 |
| <i>Echinocereus laui</i> G.Frank wfo--0000661324 | 94 |
| <i>Echinocereus ledingii</i> Peebles wfo--0000661325 | 94 |
| <i>Echinocereus leeanus</i> (Hook.) Lem. wfo--0000661326 | 97 |
| <i>Echinocereus leeanus</i> var. <i>multicostatus</i> K.Schum. wfo--0000661327..... | 97 |
| <i>Echinocereus leonensis</i> Mathsson wfo--0000661328..... | 97 |
| <i>Echinocereus leptacanthus</i> (DC. ex Salm-Dyck) K.Schum. wfo--0000661329..... | 97 |
| <i>Echinocereus leucanthus</i> N.P.Taylor wfo--0000661330 | 94 |
| <i>Echinocereus liebnerianus</i> Carp wfo--0001288542 | 94 |
| <i>Echinocereus limensis</i> Rümpler wfo--0001288543 | 166 |
| <i>Echinocereus lindsayi</i> J.Meyrán wfo--0001434979 | 94 |
| <i>Echinocereus lindsayorum</i> J.Meyrán wfo--0000661332 | 94 |
| <i>Echinocereus llanuraensis</i> (Rutow) W.Blum & D.Felix wfo--0000661333 | 93 |
| <i>Echinocereus lloydii</i> Britton & Rose wfo--0001287088 | 99 |
| <i>Echinocereus longisetus</i> (Engelm.) Lem. wfo--0000661335 | 94 |
| <i>Echinocereus longisetus</i> subsp. <i>delaetii</i> (Gürke) N.P.Taylor wfo--0000661337 | 95 |
| <i>Echinocereus longisetus</i> subsp. <i>freudenbergeri</i> (G.Frank) W.Blum wfo--0000661338..... | 95 |
| <i>Echinocereus longisetus</i> subsp. <i>longisetus</i> wfo--0001255770 | 95 |
| <i>Echinocereus longisetus</i> var. <i>albatus</i> (Backeb.) W.Sterk wfo--0001430723 | 95 |
| <i>Echinocereus longisetus</i> var. <i>delaetii</i> (Gürke) N.P.Taylor wfo--0000661336 | 95 |
| <i>Echinocereus longispinus</i> Lahman wfo--0000661339 | 99 |
| <i>Echinocereus luteus</i> Britton & Rose wfo--0000661340..... | 101 |
| <i>Echinocereus madrensis</i> Patoni wfo--0000661342 | 88 |
| <i>Echinocereus malibranii</i> Rebut wfo--0001288544 | 402 |
| <i>Echinocereus mamillatus</i> (Engelm.) Britton & Rose wfo--0000661343 | 89 |
| <i>Echinocereus mamillosus</i> Rümpler wfo--0001288545 | 402 |
| <i>Echinocereus mapimiensis</i> E.F.Anderson, W.C.Hodgs. & P.Quirk wfo--0000661344..... | 95 |
| <i>Echinocereus mariae</i> Backeb. wfo--0000661345..... | 99 |
| <i>Echinocereus maritimus</i> (M.E.Jones) K.Schum. wfo--0000661346 | 95 |
| <i>Echinocereus maritimus</i> subsp. <i>hancockii</i> (E.Y.Dawson) W.Blum & Rutow wfo--0000661348..... | 95 |
| <i>Echinocereus maritimus</i> subsp. <i>maritimus</i> wfo--0001286401 | 95 |
| <i>Echinocereus maritimus</i> var. <i>hancockii</i> (E.Y.Dawson) N.P.Taylor wfo--0000661347 | 95 |
| <i>Echinocereus marksianus</i> Fritz Schwarz wfo--0000661349 | 97 |
| <i>Echinocereus matthesianus</i> Backeb. wfo--0000661350 | 94 |
| <i>Echinocereus matudae</i> Bravo wfo--0000661351 | 88 |
| <i>Echinocereus melanacanthus</i> Engelm. ex W.H.Earle wfo--0001286412 | 90 |
| <i>Echinocereus melanocentrus</i> Graessner wfo--0000661353 | 99 |
| <i>Echinocereus merkeri</i> Hildm. ex K.Schum. wfo--0000661354 | 93 |
| <i>Echinocereus metornii</i> G.Frank wfo--0000661355 | 95 |
| <i>Echinocereus milleri</i> W.Blum & al. wfo--0000661356..... | 95 |
| <i>Echinocereus mojaviensis</i> (Engelm. & J.M.Bigelow) Engelm. ex Rümpler wfo--0000661357 | 101 |
| <i>Echinocereus mojaviensis</i> var. <i>zuniensis</i> (Engelm.) Rümpler wfo--0000661358 | 101 |
| <i>Echinocereus mombergerianus</i> G.Frank wfo--0000661359 | 95 |
| <i>Echinocereus monacanthus</i> Heese wfo--0000661360 | 102 |
| <i>Echinocereus morricalii</i> Říha wfo--0000661361..... | 102 |
| <i>Echinocereus multangularis</i> (Willd.) J.N.Haage wfo--0000661362 | 164 |
| <i>Echinocereus multangularis</i> (Willd.) Rümpler wfo--0001288546 | 164 |
| <i>Echinocereus multangularis</i> var. <i>limensis</i> Lem. ex Rümpler wfo--0000738832 | 166 |

| | | | |
|--|-----|---|-----|
| <i>Echinocereus multangularis</i> var. <i>pallidior</i> (Pfeiff.) Rümpler wfo--0000661365..... | 164 | <i>Echinocereus parkeri</i> subsp. <i>rayonesensis</i> (N.P.Taylor) D.Felix & W.Blum wfo--0001430730 | 98 |
| <i>Echinocereus multicostatus</i> J.F.Cels wfo--0001288547 .. | 91 | <i>Echinocereus parkeri</i> var. <i>gonzalezii</i> N.P.Taylor wfo--0000661390 | 96 |
| <i>Echinocereus munzii</i> (Parish) L.D.Benson wfo--0000661366..... | 92 | <i>Echinocereus paucispinus</i> (Engelm.) Engelm. ex Rümpler wfo--0000661392 | 91 |
| <i>Echinocereus neocapillus</i> (D.Weniger) W.Blum & Mich.Lange wfo--0000661367 | 95 | <i>Echinocereus paucispinus</i> Rümpler wfo--0001430731 .. | 91 |
| <i>Echinocereus neomexicanus</i> Standl. wfo--0000661368 .. | 91 | <i>Echinocereus paucispinus</i> var. <i>gonacanthus</i> (Engelm. & J.M.Bigelow) K.Schum. wfo--0000661394 | 102 |
| <i>Echinocereus nicholii</i> (L.D.Benson) B.D.Parfitt wfo--0000661369..... | 95 | <i>Echinocereus paucispinus</i> var. <i>hexaedrus</i> (Engelm. & J.M.Bigelow) K.Schum. wfo--0000661395 | 102 |
| <i>Echinocereus nicholii</i> subsp. <i>ilanuraensis</i> Rutow wfo--0000661370..... | 93 | <i>Echinocereus paucispinus</i> var. <i>triglochidiatus</i> (Engelm.) K.Schum. wfo--0000661396..... | 101 |
| <i>Echinocereus nicholii</i> subsp. <i>nicholii</i> wfo--0001286402 .. | 95 | <i>Echinocereus pectinatus</i> (Scheidw.) Engelm. wfo--0000661397 | 96 |
| <i>Echinocereus nivosus</i> Glass & R.A.Foster wfo--0000661371 | 95 | <i>Echinocereus pectinatus</i> subsp. <i>ctenoides</i> (Engelm.) G.Frank wfo--0000661403 | 91 |
| <i>Echinocereus occidentalis</i> (N.P.Taylor) W.Rischer, S.Breckw. & Breckw. wfo--0000509134 | 95 | <i>Echinocereus pectinatus</i> subsp. <i>pectinatus</i> wfo--0001286403 | 96 |
| <i>Echinocereus occidentalis</i> subsp. <i>breckwoldtiorum</i> De-Nova, Cast.-Lara & W.Blum wfo--0001430724..... | 95 | <i>Echinocereus pectinatus</i> subsp. <i>rutowiorum</i> W.Blum wfo--0001430732 | 96 |
| <i>Echinocereus occidentalis</i> subsp. <i>occidentalis</i> wfo--0001430725..... | 95 | <i>Echinocereus pectinatus</i> subsp. <i>wenigeri</i> (L.D.Benson) W.Blum & Rutow wfo--0000661413 | 97 |
| <i>Echinocereus ochoteranae</i> J.G.Ortega wfo--0000661372 | 101 | <i>Echinocereus pectinatus</i> var. <i>adustus</i> (Engelm.) K.Schum. wfo--0000661398 | 88 |
| <i>Echinocereus octacanthus</i> (Muehlenpf.) Britton & Rose wfo--0000661373..... | 91 | <i>Echinocereus pectinatus</i> var. <i>armatus</i> Poselg. wfo--0001288550 | 423 |
| <i>Echinocereus oklahomensis</i> Lahman wfo--0000661375 .. | 99 | <i>Echinocereus pectinatus</i> var. <i>bauerii</i> Rother wfo--0001286404 | 96 |
| <i>Echinocereus orcuttii</i> Rose ex Orcutt wfo--0000661376 .. | 95 | <i>Echinocereus pectinatus</i> var. <i>bristolii</i> (W.T.Marshall) W.T.Marshall wfo--0000661399 | 89 |
| <i>Echinocereus ortegae</i> Rose wfo--0000661377 | 95 | <i>Echinocereus pectinatus</i> var. <i>caespitosus</i> (Engelm.) K.Schum. wfo--0000661400..... | 98 |
| <i>Echinocereus ortegae</i> subsp. <i>koehresianus</i> (G.Frank) W.Rischer & G.Frank wfo--0000661378..... | 94 | <i>Echinocereus pectinatus</i> var. <i>candicans</i> Rydb. wfo--0000738833 | 96 |
| <i>Echinocereus pacificus</i> (Engelm.) Britton & Rose wfo--0000661379..... | 95 | <i>Echinocereus pectinatus</i> var. <i>castaneus</i> Rydb. wfo--0000738834 | 96 |
| <i>Echinocereus pacificus</i> subsp. <i>mombergerianus</i> (G.Frank) W.Blum, W.Rischer & Rutow wfo--0000661380 | 95 | <i>Echinocereus pectinatus</i> var. <i>centralis</i> (J.M.Coult.) K.Schum. wfo--0001288551..... | 337 |
| <i>Echinocereus palmeri</i> Britton & Rose wfo--0000661381 .. | 96 | <i>Echinocereus pectinatus</i> var. <i>chrysacanthus</i> K.Schum. wfo--0000661401 | 96 |
| <i>Echinocereus palmeri</i> subsp. <i>escobedensis</i> W.Rischer wfo--0001430726 | 96 | <i>Echinocereus pectinatus</i> var. <i>crassispinus</i> Runge ex Mathsson wfo--0001286405..... | 96 |
| <i>Echinocereus palmeri</i> subsp. <i>mazapil</i> H.M.Hern. & Gómez-Hin. wfo--0001430727..... | 96 | <i>Echinocereus pectinatus</i> var. <i>ctenoides</i> (Engelm.) D.Weniger ex G.Frank wfo--0000661402..... | 91 |
| <i>Echinocereus palmeri</i> subsp. <i>palmeri</i> wfo--0001434753 .. | 96 | <i>Echinocereus pectinatus</i> var. <i>dasyacanthus</i> (Engelm.) W.H.Earle ex N.P.Taylor wfo--0000661405 | 91 |
| <i>Echinocereus pamanesii</i> A.B.Lau wfo--0001255773..... | 96 | <i>Echinocereus pectinatus</i> var. <i>jamauvei</i> Frič wfo--0000661406 | 96 |
| <i>Echinocereus pamanesii</i> subsp. <i>bonatzii</i> (R.C.Römer) R.C.Römer wfo--0000661384 | 96 | <i>Echinocereus pectinatus</i> var. <i>laevior</i> Th.Wolf wfo--0000738835 | 96 |
| <i>Echinocereus pamanesii</i> subsp. <i>pamanesii</i> wfo--0001430728..... | 96 | <i>Echinocereus pectinatus</i> var. <i>minor</i> (Engelm.) L.D.Benson wfo--0000661407 | 96 |
| <i>Echinocereus pamanesiorum</i> A.B.Lau wfo--0000661382 .. | 96 | <i>Echinocereus pectinatus</i> var. <i>neomexicanus</i> (J.M.Coult.) L.D.Benson wfo--0000661408..... | 99 |
| <i>Echinocereus papillosus</i> Linke ex Haage wfo--0001288549 | 96 | <i>Echinocereus pectinatus</i> var. <i>pectinatus</i> wfo--0001286963 | 96 |
| <i>Echinocereus papillosus</i> Linke ex Rümpler wfo--0000661385..... | 96 | <i>Echinocereus pectinatus</i> var. <i>reichenbachii</i> Werderm. wfo--0000661409 | 96 |
| <i>Echinocereus papillosus</i> var. <i>angusticeps</i> (Clover) W.T.Marshall wfo--0000661386..... | 96 | <i>Echinocereus pectinatus</i> var. <i>rigidissimus</i> (Engelm.) Rümpler wfo--0000738836..... | 99 |
| <i>Echinocereus papillosus</i> var. <i>rubescens</i> (Dams) Dams wfo--0000661387..... | 91 | | |
| <i>Echinocereus parkeri</i> N.P.Taylor wfo--0000661388 | 96 | | |
| <i>Echinocereus parkeri</i> subsp. <i>arteagensis</i> W.Blum & Mich.Lange wfo--0000661389 | 96 | | |
| <i>Echinocereus parkeri</i> subsp. <i>gonzalezii</i> (N.P.Taylor) N.P.Taylor wfo--0000661391 | 96 | | |
| <i>Echinocereus parkeri</i> subsp. <i>mazapilensis</i> W.Blum & Mich.Lange wfo--0001430729 | 96 | | |
| <i>Echinocereus parkeri</i> subsp. <i>parkeri</i> wfo--0001255774 .. | 96 | | |

| | | | |
|--|-----|---|-----|
| <i>Echinocereus pectinatus</i> var. <i>robustior</i> Th.Wolf wfo--- 0000738837..... | 96 | <i>Echinocereus polyacanthus</i> subsp. <i>mombergerianus</i> (G.Frank) Breckw. wfo---0000661434 | 95 |
| <i>Echinocereus pectinatus</i> var. <i>robustus</i> F.A.Bauer wfo--- 0000738838..... | 96 | <i>Echinocereus polyacanthus</i> subsp. <i>pacificus</i> (Engelm.) Breckw. wfo---0000661436 | 95 |
| <i>Echinocereus pectinatus</i> var. <i>rubispinus</i> G.Frank & A.B.Lau wfo---0000661410..... | 99 | <i>Echinocereus polyacanthus</i> var. <i>densus</i> (Regel) N.P.Taylor wfo---0000661431 | 88 |
| <i>Echinocereus pectinatus</i> var. <i>rufispinus</i> K.Schum. wfo--- 0000661411..... | 96 | <i>Echinocereus polyacanthus</i> var. <i>huitcholensis</i> (F.A.C.Weber) N.P.Taylor wfo---0000661432..... | 94 |
| <i>Echinocereus pectinatus</i> var. <i>tamaulipensis</i> Frič ex Schelle wfo---0001286406..... | 96 | <i>Echinocereus polyacanthus</i> var. <i>neomexicanus</i> (Standl.) D.Weniger wfo---0001286413 | 91 |
| <i>Echinocereus pectinatus</i> var. <i>texensis</i> Rümpler wfo--- 0001286407..... | 96 | <i>Echinocereus polyacanthus</i> var. <i>pacificus</i> (Engelm.) N.P.Taylor wfo---0000661435 | 95 |
| <i>Echinocereus pectinatus</i> var. <i>wenigeri</i> L.D.Benson wfo--- 0000661412..... | 97 | <i>Echinocereus polycephalus</i> Britton & Rose wfo--- 0001288518 | 402 |
| <i>Echinocereus penicilliformis</i> Linke wfo---0000661414..... | 407 | <i>Echinocereus poselgeri</i> Lem. wfo---0000661438 | 97 |
| <i>Echinocereus pensilis</i> (K.Brandege) J.A.Purpus wfo--- 0000661416..... | 254 | <i>Echinocereus poselgeri</i> subsp. <i>gerhardii</i> Waldeis, W.Blum & D.Felix wfo---0000746438 | 97 |
| <i>Echinocereus pentalophus</i> (DC.) J.N.Haage wfo--- 0001236006..... | 97 | <i>Echinocereus poselgeri</i> subsp. <i>kroenleinii</i> Mich.Lange wfo-- -0000661439 | 94 |
| <i>Echinocereus pentalophus</i> (DC.) Lem. wfo---0000661417 | 97 | <i>Echinocereus poselgerianus</i> Linke wfo---0000661440 | 89 |
| <i>Echinocereus pentalophus</i> subsp. <i>leonensis</i> (Mathsson) N.P.Taylor wfo---0000661420 | 97 | <i>Echinocereus primolanatus</i> Fritz Schwarz ex Backeb. wfo--- 0001430733 | 97 |
| <i>Echinocereus pentalophus</i> subsp. <i>pentalophus</i> wfo--- 0001255775..... | 97 | <i>Echinocereus primolanatus</i> Fritz Schwarz ex N.P.Taylor wfo---0000661441 | 97 |
| <i>Echinocereus pentalophus</i> subsp. <i>procumbens</i> (Engelm.) W.Blum & Mich.Lange wfo---0000661422 | 97 | <i>Echinocereus princeps</i> C.F.Först. wfo---0000661442 | 402 |
| <i>Echinocereus pentalophus</i> var. <i>ehrenbergii</i> (Pfeiff.) Backeb. wfo---0000661418 | 90 | <i>Echinocereus pringlei</i> Rose wfo---0001287060 | 142 |
| <i>Echinocereus pentalophus</i> var. <i>leonensis</i> (Mathsson) N.P.Taylor wfo---0000661419 | 97 | <i>Echinocereus procumbens</i> (Engelm.) Lem. wfo--- 0000661443 | 97 |
| <i>Echinocereus pentalophus</i> var. <i>procumbens</i> (Engelm.) P.Fourn. wfo---0000661421..... | 97 | <i>Echinocereus procumbens</i> (Engelm.) Rümpler wfo--- 0001288554 | 97 |
| <i>Echinocereus pentlandii</i> (Hook.) K.Schum. wfo--- 0000661423..... | 187 | <i>Echinocereus procumbens</i> var. <i>longispinus</i> Hirscht wfo-- 0000661444 | 97 |
| <i>Echinocereus perbellus</i> Britton & Rose wfo---0000661424 | 99 | <i>Echinocereus propinquus</i> Bremek. wfo---0001288555 .. | 402 |
| <i>Echinocereus persolutus</i> C.F.Först. wfo---0000661425... | 402 | <i>Echinocereus pseudopectinatus</i> (N.P.Taylor) N.P.Taylor wfo---0000661445 | 98 |
| <i>Echinocereus phoeniceus</i> (Engelm.) Lem. wfo--- 0000661427..... | 91 | <i>Echinocereus pulchellus</i> (Mart.) K.Schum. wfo--- 0000661446 | 98 |
| <i>Echinocereus phoeniceus</i> f. <i>inermis</i> (K.Schum.) Schelle wfo- -0000745733 | 101 | <i>Echinocereus pulchellus</i> subsp. <i>acanthosetus</i> (S.Arias & U.Guzmán) W.Blum wfo---0000661449 | 88 |
| <i>Echinocereus phoeniceus</i> Rümpler wfo---0001288552..... | 91 | <i>Echinocereus pulchellus</i> subsp. <i>pulchellus</i> wfo--- 0001255777 | 98 |
| <i>Echinocereus phoeniceus</i> var. <i>albispinus</i> Rümpler wfo--- 0000738839..... | 91 | <i>Echinocereus pulchellus</i> subsp. <i>sharpii</i> (N.P.Taylor) N.P.Taylor wfo---0000661453 | 100 |
| <i>Echinocereus phoeniceus</i> var. <i>conoideus</i> (Engelm. & J.M.Bigelow) K.Schum. wfo---0000661428..... | 91 | <i>Echinocereus pulchellus</i> subsp. <i>sladkovskyi</i> Halda & Kupčák wfo---0000661454 | 98 |
| <i>Echinocereus phoeniceus</i> var. <i>inermis</i> K.Schum. wfo--- 0000661429..... | 101 | <i>Echinocereus pulchellus</i> subsp. <i>venustus</i> W.Blum & W.Rischer wfo---0000661455 | 102 |
| <i>Echinocereus phoeniceus</i> var. <i>longispinus</i> Rümpler wfo--- 0000738840..... | 91 | <i>Echinocereus pulchellus</i> subsp. <i>weinbergii</i> (Weing.) N.P.Taylor wfo---0000661457 | 102 |
| <i>Echinocereus phoeniceus</i> var. <i>rufispinus</i> Rümpler wfo--- 0000738841..... | 91 | <i>Echinocereus pulchellus</i> var. <i>acanthosetus</i> S.Arias & U.Guzmán wfo---0000661447 | 88 |
| <i>Echinocereus platyacanthus</i> Link & Otto wfo---0001286964 | 414 | <i>Echinocereus pulchellus</i> var. <i>amoenus</i> (A.Dietr.) K.Schum. wfo---0000661450 | 98 |
| <i>Echinocereus pleiogonus</i> (Labour.) Croucher wfo--- 0001288553..... | 97 | <i>Echinocereus pulchellus</i> var. <i>amoenus</i> (A.Dietr.) Kelsey & Dayton wfo---0001289091 | 98 |
| <i>Echinocereus polyacanthus</i> Engelm. wfo---0000661430.. | 97 | <i>Echinocereus pulchellus</i> var. <i>amoenus</i> C.F.Först. wfo--- 0001288556 | 423 |
| <i>Echinocereus polyacanthus</i> subsp. <i>acifer</i> (Otto ex Salm- Dyck) N.P.Taylor wfo---0001255776..... | 88 | <i>Echinocereus pulchellus</i> var. <i>costatus</i> Halda, Kupčák & Sladk. wfo---0000661451 | 102 |
| <i>Echinocereus polyacanthus</i> subsp. <i>huitcholensis</i> (F.A.C.Weber) N.P.Taylor wfo---0000661433 | 94 | <i>Echinocereus pulchellus</i> var. <i>sharpii</i> N.P.Taylor wfo--- 0000661452 | 100 |

| | | | |
|--|-----|--|-----|
| <i>Echinocereus pulchellus</i> var. <i>weinbergii</i> (Weing.) N.P.Taylor wfo--0000661456..... | 102 | <i>Echinocereus rigidissimus</i> var. <i>rubispinus</i> (G.Frank & A.B.Lau) N.P.Taylor wfo--0001430738..... | 99 |
| <i>Echinocereus purpureus</i> Lahman wfo--0000661458..... | 98 | <i>Echinocereus rischeri</i> (R.C.Römer) W.Rischer wfo--0000507089..... | 100 |
| <i>Echinocereus radians</i> Engelm. wfo--0000661460..... | 88 | <i>Echinocereus robustus</i> (Peebles) Peebles wfo--0000661485..... | 92 |
| <i>Echinocereus raphicephalus</i> C.F.Först. wfo--0000661461..... | 402 | <i>Echinocereus roemerii</i> (Muehlenpf.) Engelm. ex J.N.Haage wfo--0000661486..... | 91 |
| <i>Echinocereus rayonesensis</i> N.P.Taylor wfo--000066146298 | | <i>Echinocereus roemerii</i> (Muehlenpf.) Rydb. wfo--0000661487..... | 91 |
| <i>Echinocereus rectispinus</i> Peebles wfo--0000661463..... | 93 | <i>Echinocereus roemerii</i> Rümpler wfo--0001288557..... | 91 |
| <i>Echinocereus rectispinus</i> var. <i>robustus</i> Peebles wfo--0000661464..... | 92 | <i>Echinocereus rosei</i> Wooton & Standl. wfo--0000661492..... | 91 |
| <i>Echinocereus reichenbachii</i> (Terscheck ex Walp.) J.N.Haage wfo--0000661465..... | 98 | <i>Echinocereus rotatus</i> Linke wfo--0000661493..... | 98 |
| <i>Echinocereus reichenbachii</i> (Terscheck) Britton & Rose wfo--0001287020..... | 98 | <i>Echinocereus rubescens</i> Dams wfo--0000661494..... | 91 |
| <i>Echinocereus reichenbachii</i> subsp. <i>albertii</i> (L.D.Benson) Pilbeam wfo--0001430734..... | 99 | <i>Echinocereus rufispinus</i> Engelm. wfo--0000661495..... | 88 |
| <i>Echinocereus reichenbachii</i> subsp. <i>armatus</i> (Poselg.) N.P.Taylor wfo--0000661469..... | 98 | <i>Echinocereus rungei</i> K.Schum. wfo--0000661496..... | 98 |
| <i>Echinocereus reichenbachii</i> subsp. <i>baileyi</i> (Rose) N.P.Taylor wfo--0000661473..... | 98 | <i>Echinocereus runyonii</i> Orcutt wfo--0000661497..... | 97 |
| <i>Echinocereus reichenbachii</i> subsp. <i>burrensis</i> G.Frank, Metorn & E.Scherer wfo--0000661474..... | 99 | <i>Echinocereus rusanthus</i> D.Weniger wfo--0000661498..... | 99 |
| <i>Echinocereus reichenbachii</i> subsp. <i>caespitosus</i> (Engelm.) W.Blum & Mich.Lange wfo--0000661475..... | 98 | <i>Echinocereus rusanthus</i> subsp. <i>fiehnii</i> (Trocha) W.Blum & Mich.Lange wfo--0000661500..... | 99 |
| <i>Echinocereus reichenbachii</i> subsp. <i>comanchensis</i> D.Felix, Oldach & J.Oldach wfo--0000509135..... | 98 | <i>Echinocereus rusanthus</i> subsp. <i>rusanthus</i> wfo--0001286408..... | 99 |
| <i>Echinocereus reichenbachii</i> subsp. <i>fitchii</i> (Britton & Rose) N.P.Taylor wfo--0000661477..... | 99 | <i>Echinocereus rusanthus</i> subsp. <i>weednii</i> Leuck. ex W.Blum & Mich.Lange wfo--0000661501..... | 99 |
| <i>Echinocereus reichenbachii</i> subsp. <i>perbellus</i> (Britton & Rose) N.P.Taylor wfo--0000661479..... | 99 | <i>Echinocereus rusanthus</i> var. <i>fiehnii</i> Trocha wfo--0000661499..... | 99 |
| <i>Echinocereus reichenbachii</i> subsp. <i>reichenbachii</i> wfo--0001255778..... | 99 | <i>Echinocereus salm-dyckianus</i> f. <i>obscuriensis</i> (A.B.Lau) W.Rischer & Trocha wfo--0000661507..... | 100 |
| <i>Echinocereus reichenbachii</i> var. <i>albertii</i> L.D.Benson wfo--0000661466..... | 99 | <i>Echinocereus salm-dyckianus</i> Scheer wfo--0000661503..... | 99 |
| <i>Echinocereus reichenbachii</i> var. <i>albispinus</i> (Lahman) L.D.Benson wfo--0000661467..... | 98 | <i>Echinocereus salm-dyckianus</i> subsp. <i>bacanorensis</i> W.Rischer & Trocha wfo--0000661504..... | 100 |
| <i>Echinocereus reichenbachii</i> var. <i>armatus</i> (Poselg.) N.P.Taylor wfo--0000661468..... | 98 | <i>Echinocereus salm-dyckianus</i> subsp. <i>obscuriensis</i> (A.B.Lau) W.Blum wfo--0000661506..... | 100 |
| <i>Echinocereus reichenbachii</i> var. <i>baileyi</i> (Rose) N.P.Taylor wfo--0000661472..... | 98 | <i>Echinocereus salm-dyckianus</i> var. <i>noctiflorus</i> Heid wfo--0000661505..... | 100 |
| <i>Echinocereus reichenbachii</i> var. <i>chisosensis</i> (W.T.Marshall) L.D.Benson wfo--0001430735..... | 89 | <i>Echinocereus salmianus</i> K.Schum. wfo--0000661508..... | 100 |
| <i>Echinocereus reichenbachii</i> var. <i>fitchii</i> (Britton & Rose) L.D.Benson wfo--0000661476..... | 99 | <i>Echinocereus salmianus</i> Rümpler wfo--0001288558..... | 99 |
| <i>Echinocereus reichenbachii</i> var. <i>perbellus</i> (Britton & Rose) L.D.Benson wfo--0000661478..... | 99 | <i>Echinocereus sanborgianus</i> (J.M.Coult.) K.Schum. wfo--0001288559..... | 89 |
| <i>Echinocereus reichenbachii</i> var. <i>reichenbachii</i> wfo--0001287021..... | 98 | <i>Echinocereus sandersi</i> Orcutt wfo--0000661509..... | 101 |
| <i>Echinocereus reichii</i> Frič wfo--0000661480..... | 414 | <i>Echinocereus sanpedroensis</i> Raudonat & Rischer wfo--0000661510..... | 100 |
| <i>Echinocereus relictus</i> Wellard wfo--0001430736..... | 99 | <i>Echinocereus santaritensis</i> subsp. <i>bacanorensis</i> (W.Rischer & Trocha) W.Rischer & D.Felix wfo--0000507090..... | 100 |
| <i>Echinocereus rigidispinus</i> (Muehlenpf.) Engelm. ex J.N.Haage wfo--0000661482..... | 99 | <i>Echinocereus santaritensis</i> subsp. <i>santaritensis</i> wfo--0001434754..... | 100 |
| <i>Echinocereus rigidissimus</i> (Engelm.) F.Haage wfo--0000661483..... | 99 | <i>Echinocereus santaritensis</i> W.Blum & Rutow wfo--0000661511..... | 100 |
| <i>Echinocereus rigidissimus</i> (Engelm.) Rose wfo--0001430737..... | 99 | <i>Echinocereus sarissophorus</i> Britton & Rose wfo--0000661512..... | 93 |
| <i>Echinocereus rigidissimus</i> subsp. <i>rigidissimus</i> wfo--0001255779..... | 99 | <i>Echinocereus scheeri</i> (Salm-Dyck) Rümpler wfo--0001288560..... | 100 |
| <i>Echinocereus rigidissimus</i> subsp. <i>rubispinus</i> (G.Frank & A.B.Lau) N.P.Taylor wfo--0000661484..... | 99 | <i>Echinocereus scheeri</i> (Salm-Dyck) Scheer wfo--0000661514..... | 100 |
| <i>Echinocereus rigidissimus</i> var. <i>rigidissimus</i> wfo--0001262055..... | 99 | <i>Echinocereus scheeri</i> subsp. <i>chaletii</i> (W.Rischer) N.P.Taylor wfo--0001430739..... | 89 |
| | | <i>Echinocereus scheeri</i> subsp. <i>gentryi</i> (Clover) N.P.Taylor wfo--0000661516..... | 100 |
| | | <i>Echinocereus scheeri</i> subsp. <i>obscuriensis</i> (A.B.Lau) U.Guzmán wfo--0000661519..... | 100 |
| | | <i>Echinocereus scheeri</i> subsp. <i>paridensis</i> Rischer & Trocha wfo--0000661520..... | 100 |

| | | | |
|---|-----|--|-----|
| <i>Echinocereus scheeri</i> subsp. <i>rischeri</i> R.C.Römer wfo-- 0000661521..... | 100 | <i>Echinocereus stramineus</i> (Engelm.) F.Seitz wfo-- 0000661541..... | 101 |
| <i>Echinocereus scheeri</i> subsp. <i>scheeri</i> wfo--0001255780 | 100 | <i>Echinocereus stramineus</i> (Engelm.) Rümpler wfo-- 0001288426..... | 101 |
| <i>Echinocereus scheeri</i> var. <i>gentryi</i> (Clover) N.P.Taylor wfo-- 0000661515..... | 100 | <i>Echinocereus stramineus</i> subsp. <i>conglomeratus</i> (C.F.Först. ex K.Schum.) W.Blum wfo--0001430742..... | 101 |
| <i>Echinocereus scheeri</i> var. <i>koehresianus</i> G.Frank wfo-- 0000661517..... | 94 | <i>Echinocereus stramineus</i> subsp. <i>occidentalis</i> (N.P.Taylor) N.P.Taylor wfo--0000661544..... | 95 |
| <i>Echinocereus scheeri</i> var. <i>major</i> Focke wfo--0000738842 | 100 | <i>Echinocereus stramineus</i> subsp. <i>stramineus</i> wfo-- 0001255785..... | 101 |
| <i>Echinocereus scheeri</i> var. <i>minor</i> Hutch. & Dalziel wfo-- 0000738843..... | 100 | <i>Echinocereus stramineus</i> var. <i>conglomeratus</i> (C.F.Först.) Bravo wfo--0000661542..... | 101 |
| <i>Echinocereus scheeri</i> var. <i>nigrispinus</i> Scheer wfo-- 0000738844..... | 100 | <i>Echinocereus stramineus</i> var. <i>occidentalis</i> N.P.Taylor wfo-- 0000661543..... | 95 |
| <i>Echinocereus scheeri</i> var. <i>obscuriensis</i> A.B.Lau wfo-- 0000661518..... | 100 | <i>Echinocereus stramineus</i> var. <i>stramineus</i> wfo-- 0001262054..... | 101 |
| <i>Echinocereus scheeri</i> var. <i>robustior</i> Focke wfo-- 0000738845..... | 100 | <i>Echinocereus strausianus</i> Haage Jr. wfo--0001288563. | 102 |
| <i>Echinocereus schereri</i> G.Frank wfo--0000661522..... | 100 | <i>Echinocereus strigosus</i> (Salm-Dyck) Lem. wfo-- 0000661545..... | 349 |
| <i>Echinocereus schmollii</i> (Weing.) N.P.Taylor wfo-- 0000661523..... | 100 | <i>Echinocereus strigosus</i> Lem. wfo--0001430743..... | 349 |
| <i>Echinocereus schwarzii</i> A.B.Lau wfo--0000661525..... | 88 | <i>Echinocereus strigosus</i> var. <i>rufispinus</i> Rümpler wfo-- 0000738846..... | 349 |
| <i>Echinocereus sciurus</i> (K.Brandege) Britton & Rose wfo-- 0000661526..... | 100 | <i>Echinocereus strigosus</i> var. <i>spinosior</i> Rümpler wfo-- 0000738847..... | 349 |
| <i>Echinocereus sciurus</i> (K.Brandege) Dams wfo-- 0001430740..... | 100 | <i>Echinocereus subinermis</i> Salm-Dyck ex Scheer wfo-- 0000661547..... | 101 |
| <i>Echinocereus sciurus</i> subsp. <i>floresii</i> (Schwarz ex Backeb.) N.P.Taylor wfo--0000661528..... | 100 | <i>Echinocereus subinermis</i> subsp. <i>ochoterenae</i> (J.G.Ortega) N.P.Taylor wfo--0000661550..... | 101 |
| <i>Echinocereus sciurus</i> subsp. <i>sciurus</i> wfo--0001255782 | 100 | <i>Echinocereus subinermis</i> subsp. <i>subinermis</i> wfo-- 0001255786..... | 101 |
| <i>Echinocereus sciurus</i> var. <i>floresii</i> (Backeb.) N.P.Taylor wfo-- -0000661527..... | 100 | <i>Echinocereus subinermis</i> var. <i>aculeatus</i> G.Unger wfo-- 0001430744..... | 92 |
| <i>Echinocereus scopulorum</i> Britton & Rose wfo-- 0000661529..... | 100 | <i>Echinocereus subinermis</i> var. <i>luteus</i> (Britton & Rose) Backeb. wfo--0001219275..... | 101 |
| <i>Echinocereus scopulorum</i> subsp. <i>pseudopectinatus</i> (N.P.Taylor) W.Blum & Mich.Lange wfo--0000661530 | 98 | <i>Echinocereus subinermis</i> var. <i>luteus</i> (Britton & Rose) F.M.Knuth wfo--0000661548..... | 101 |
| <i>Echinocereus serpentinus</i> (Lag. & Rodr.) Lem. wfo-- 0000661531..... | 256 | <i>Echinocereus subinermis</i> var. <i>ochoterenae</i> (J.G.Ortega) G.Unger wfo--0000661549..... | 101 |
| <i>Echinocereus sharpii</i> (N.P.Taylor) Dan.Sánchez & Gómez- Quintero wfo--0001430741..... | 100 | <i>Echinocereus subterraneus</i> Backeb. wfo--0000661551 | 101 |
| <i>Echinocereus spachianus</i> (Lem.) Rümpler wfo-- 0001288561..... | 349 | <i>Echinocereus tamaulipensis</i> (Werderm.) Mich.Lange wfo-- 0000661552..... | 101 |
| <i>Echinocereus spinibarbis</i> (Hort.Berol. ex Pfeiff.) K.Schum. wfo--0001288562..... | 399 | <i>Echinocereus tamaulipensis</i> subsp. <i>deherdtii</i> Mich.Lange wfo--0000661553..... | 102 |
| <i>Echinocereus spinigemmatum</i> A.B.Lau wfo--0000661532 | 100 | <i>Echinocereus tamaulipensis</i> subsp. <i>waldeisii</i> (Haugg) Mich.Lange wfo--0000661554..... | 102 |
| <i>Echinocereus spinosissimus</i> Walton wfo--0000661533... 92 | | <i>Echinocereus tayopensis</i> W.T.Marshall wfo--0000661556 | 101 |
| <i>Echinocereus splendens</i> (Salm-Dyck ex Lem.) Lem. wfo-- 0000661534..... | 256 | <i>Echinocereus texensis</i> Jacobi wfo--0000661557..... | 98 |
| <i>Echinocereus standleyi</i> Britton & Rose wfo--0000661536 | 89 | <i>Echinocereus thurberi</i> Rydb. wfo--0001288565..... | 402 |
| <i>Echinocereus steereae</i> Clover wfo--0000661537..... | 92 | <i>Echinocereus thwaitesii</i> K.Schum. wfo--0001288566 ... | 402 |
| <i>Echinocereus stolonifer</i> subsp. <i>stolonifer</i> wfo-- 0001255784..... | 101 | <i>Echinocereus topiensis</i> W.Rischer & Trocha wfo-- 0000661558..... | 94 |
| <i>Echinocereus stolonifer</i> subsp. <i>tayopensis</i> (W.T.Marshall) G.Pichler wfo--0001254464..... | 101 | <i>Echinocereus toroweapensis</i> (P.C.Fisch.) Fürsch wfo-- 0000661559..... | 91 |
| <i>Echinocereus stolonifer</i> subsp. <i>tayopensis</i> (W.T.Marshall) N.P.Taylor wfo--0000661540..... | 101 | <i>Echinocereus trichacanthus</i> Wimm. wfo--0001288567 | 402 |
| <i>Echinocereus stolonifer</i> var. <i>tayopensis</i> (W.T.Marshall) N.P.Taylor wfo--0000661539..... | 101 | <i>Echinocereus triglochidiatus</i> Engelm. wfo--0000661560 | 101 |
| <i>Echinocereus stolonifer</i> W.T.Marshall wfo--0000661538 | 101 | <i>Echinocereus triglochidiatus</i> f. <i>inermis</i> (K.Schum.) W.Blum wfo--0000661571..... | 101 |
| <i>Echinocereus stoloniferus</i> W.T.Marshall wfo--0001434755 | 101 | <i>Echinocereus triglochidiatus</i> subsp. <i>acifer</i> (Otto ex Salm- Dyck) U.Guzmán wfo--0000661562..... | 88 |

| | |
|---|---|
| <i>Echinocereus triglochidiatus</i> subsp. <i>coccineus</i> (Engelm.) U.Guzmán wfo---0000661564 90 | <i>Echinocereus viereckii</i> var. <i>morricalii</i> (Říha) N.P.Taylor wfo- --0000661592 102 |
| <i>Echinocereus triglochidiatus</i> subsp. <i>huitcholensis</i> (F.A.C.Weber) U.Guzmán wfo---0000661569 94 | <i>Echinocereus viereckii</i> Werderm. wfo---0000661590 102 |
| <i>Echinocereus triglochidiatus</i> subsp. <i>mojavensis</i> (Engelm. & J.M.Bigelow) W.Blum & Mich.Lange wfo---0000661574 101 | <i>Echinocereus viridiflorus</i> Engelm. wfo---0000661594 87, 102 |
| <i>Echinocereus triglochidiatus</i> subsp. <i>pacificus</i> (Engelm.) U.Guzmán wfo---0001430745 95 | <i>Echinocereus viridiflorus</i> subsp. <i>chloranthus</i> (Engelm.) N.P.Taylor wfo---0000661597 89 |
| <i>Echinocereus triglochidiatus</i> subsp. <i>polyacanthus</i> (Engelm.) U.Guzmán wfo---0000661582 97 | <i>Echinocereus viridiflorus</i> subsp. <i>correllii</i> (L.D.Benson) W.Blum & Mich.Lange wfo---0000661600 102 |
| <i>Echinocereus triglochidiatus</i> subsp. <i>triglochidiatus</i> wfo--- 0001282495 102 | <i>Echinocereus viridiflorus</i> subsp. <i>cylindricus</i> (Engelm.) N.P.Taylor wfo---0000661602 89 |
| <i>Echinocereus triglochidiatus</i> var. <i>acifer</i> (Otto ex Salm-Dyck) Bravo wfo---0000661561 88 | <i>Echinocereus viridiflorus</i> subsp. <i>davisii</i> (Houghton) N.P.Taylor wfo---0000661604 92 |
| <i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i> (Rose ex Orcutt) L.D.Benson wfo---0000661563 88 | <i>Echinocereus viridiflorus</i> subsp. <i>viridiflorus</i> wfo--- 0001430747 102 |
| <i>Echinocereus triglochidiatus</i> var. <i>coccineus</i> (Engelm.) W.T.Marshall & T.M.Bock wfo---0000745737 90 | <i>Echinocereus viridiflorus</i> var. <i>canus</i> A.M.Powell & Weedin wfo---0000661595 89 |
| <i>Echinocereus triglochidiatus</i> var. <i>gonacanthus</i> (Engelm. & J.M.Bigelow) Boissev. wfo---0000661565 102 | <i>Echinocereus viridiflorus</i> var. <i>canus</i> A.M.Powell & Weedin wfo---0001430748 89 |
| <i>Echinocereus triglochidiatus</i> var. <i>gurneyi</i> L.D.Benson wfo--- 0000661567 94 | <i>Echinocereus viridiflorus</i> var. <i>chloranthus</i> (Engelm.) Backeb. wfo---0000661596 89 |
| <i>Echinocereus triglochidiatus</i> var. <i>hexaedrus</i> (Engelm. & J.M.Bigelow) Boissev. wfo---0000661568 102 | <i>Echinocereus viridiflorus</i> var. <i>correllii</i> L.D.Benson wfo--- 0000661598 102 |
| <i>Echinocereus triglochidiatus</i> var. <i>inermis</i> (K.Schum.) Arp wfo---0000661570 101 | <i>Echinocereus viridiflorus</i> var. <i>cylindricus</i> (Engelm.) Rümpler wfo---0000661601 89 |
| <i>Echinocereus triglochidiatus</i> var. <i>melanacanthus</i> (Engelm.) L.D.Benson wfo---0000661572 90 | <i>Echinocereus viridiflorus</i> var. <i>davisii</i> (Houghton) W.T.Marshall & T.M.Bock wfo---0000661603 92 |
| <i>Echinocereus triglochidiatus</i> var. <i>mojavensis</i> (Engelm. & J.M.Bigelow) L.D.Benson wfo---0000661573 101 | <i>Echinocereus viridiflorus</i> var. <i>davisii</i> Backeb. wfo--- 0001287089 92 |
| <i>Echinocereus triglochidiatus</i> var. <i>multicostatus</i> (J.F.Cels) W.T.Marshall wfo---0000661575 91 | <i>Echinocereus viridiflorus</i> var. <i>gracilispinus</i> Rümpler wfo--- 0000738848 102 |
| <i>Echinocereus triglochidiatus</i> var. <i>neomexicanus</i> (Standl.) W.T.Marshall wfo---0000661576 91 | <i>Echinocereus viridiflorus</i> var. <i>intermedius</i> Backeb. wfo--- 0000661605 90 |
| <i>Echinocereus triglochidiatus</i> var. <i>pacificus</i> (Engelm.) Bravo wfo---0000661579 95 | <i>Echinocereus viridiflorus</i> var. <i>major</i> Bridson wfo--- 0000738849 102 |
| <i>Echinocereus triglochidiatus</i> var. <i>paucispinus</i> (Engelm.) W.T.Marshall wfo---0000661580 91 | <i>Echinocereus viridiflorus</i> var. <i>neocapillus</i> (D.Weniger) A.D.Zimmerman wfo---0001430749 95 |
| <i>Echinocereus triglochidiatus</i> var. <i>polyacanthus</i> (Engelm. ex Wisl.) L.D.Benson wfo---0000661581 97 | <i>Echinocereus viridiflorus</i> var. <i>rubra</i> Frič wfo---0000738850 102 |
| <i>Echinocereus triglochidiatus</i> var. <i>rosei</i> (Wooton & Standl.) W.T.Marshall wfo---0000661583 91 | <i>Echinocereus viridiflorus</i> var. <i>russanthus</i> (D.Weniger) A.D.Zimmerman wfo---0000661606 99 |
| <i>Echinocereus triglochidiatus</i> var. <i>toroweapensis</i> P.C.Fisch. wfo---0000661584 91 | <i>Echinocereus viridiflorus</i> var. <i>tubulosus</i> (J.M.Coult.) A.Heller wfo---0000661607 89 |
| <i>Echinocereus trockyi</i> Bateman ex Lindl. wfo---0001288568 402 | <i>Echinocereus viridiflorus</i> var. <i>viridiflorus</i> wfo--- 0001287022 102 |
| <i>Echinocereus tuberosus</i> Poselg. ex Rümpler wfo--- 0000661585 97 | <i>Echinocereus viridiflorus</i> var. <i>weedinii</i> (Leuck ex W.Blum & Mich.Lange) A.D.Zimmerman wfo---0000661608 99 |
| <i>Echinocereus tulensis</i> Bravo wfo---0000661586 90 | <i>Echinocereus waldeisii</i> Haugg wfo---0000661610 102 |
| <i>Echinocereus uehri</i> Blanc ex F.Haage wfo---0000661587 93 | <i>Echinocereus websterianus</i> G.E.Linds. wfo---0000661611 102 |
| <i>Echinocereus undulatus</i> Hildm. ex K.Schum. wfo--- 0001288569 90 | <i>Echinocereus weinbergii</i> subsp. <i>venustus</i> (W.Blum & W.Rischer) Gómez-Quintero & Dan.Sánchez wfo--- 0001430750 102 |
| <i>Echinocereus uspenskii</i> F.Haage wfo---0000661589 93 | <i>Echinocereus weinbergii</i> subsp. <i>weinbergii</i> wfo--- 0001430751 102 |
| <i>Echinocereus viereckii</i> subsp. <i>huastecensis</i> W.Blum, Mich.Lange & Rutow wfo---0000661591 102 | <i>Echinocereus weinbergii</i> Weing. wfo---0000661612 102 |
| <i>Echinocereus viereckii</i> subsp. <i>morricalii</i> (Říha) N.P.Taylor wfo---0000661593 102 | <i>Echinocereus yavapaiensis</i> M.A.Baker wfo---0000661613 102 |
| <i>Echinocereus viereckii</i> subsp. <i>santamariensis</i> W.Blum & D.Felix wfo---0001430746 102 | <i>Echinofossulocactus acroacanthus</i> (Stieber) G.D.Rowley wfo---0000661661 352 |
| <i>Echinocereus viereckii</i> subsp. <i>viereckii</i> wfo---0001255787 102 | <i>Echinofossulocactus albatius</i> (A.Dietr.) Britton & Rose wfo-- -0000661662 355 |

| | | | |
|--|-----|---|--------|
| <i>Echinofossulocactus anfractuosus</i> (Mart. ex Pfeiff.) Lawr. wfo--0000661663..... | 351 | <i>Echinofossulocactus crispatus</i> f. <i>flexispinus</i> (Bravo) P.V.Heath wfo--0000661686..... | 352 |
| <i>Echinofossulocactus angustispinus</i> Lawr. wfo-- 0000661665..... | 140 | <i>Echinofossulocactus crispatus</i> f. <i>grandicornis</i> (Lem.) P.V.Heath wfo--0000661687..... | 352 |
| <i>Echinofossulocactus arrigens</i> (Link ex A.Dietr.) Britton & Rose wfo--0000661666..... | 351 | <i>Echinofossulocactus crispatus</i> f. <i>guerraianus</i> (Backeb.) P.V.Heath wfo--0000661688..... | 351 |
| <i>Echinofossulocactus arrigens</i> f. <i>xiphacanthus</i> (Miq.) Krainz wfo--0001286296..... | 351 | <i>Echinofossulocactus crispatus</i> f. <i>heteracanthus</i> (Muehlenpf.) P.V.Heath wfo--0000661689..... | 352 |
| <i>Echinofossulocactus boedekerianus</i> (A.Berger) Croizat wfo-- 0000661667..... | 351 | <i>Echinofossulocactus crispatus</i> f. <i>kellerianus</i> (Krainz) P.V.Heath wfo--0000661690..... | 352 |
| <i>Echinofossulocactus boedekerianus</i> f. <i>densispinus</i> (Pechanek) P.V.Heath wfo--0000661668..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>lamellosus</i> (A.Dietr.) P.V.Heath wfo--0000661691..... | 353 |
| <i>Echinofossulocactus boedekerianus</i> f. <i>ochoterenanus</i> (Tiegel) P.V.Heath wfo--0000661669..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>lancifer</i> (A.Dietr.) P.V.Heath wfo--0000661692..... | 353 |
| <i>Echinofossulocactus boedekerianus</i> f. <i>parksianus</i> (Pechanek) P.V.Heath wfo--0000661670..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>obvallatus</i> (DC.) P.V.Heath wfo--0000661693..... | 354 |
| <i>Echinofossulocactus boedekerianus</i> f. <i>rosasianus</i> (Pechanek) P.V.Heath wfo--0000661671..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>pentacanthus</i> (Lem.) P.V.Heath wfo--0000661694..... | 354 |
| <i>Echinofossulocactus bustamantei</i> (Bravo) Croizat wfo-- 0000661672..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>tellii</i> (A.Berger) P.V.Heath wfo--0001430760..... | 352 |
| <i>Echinofossulocactus caespitosus</i> Backeb. wfo-- 0000661673..... | 354 | <i>Echinofossulocactus crispatus</i> f. <i>undulatus</i> (A.Dietr.) P.V.Heath wfo--0000661696..... | 352 |
| <i>Echinofossulocactus campylacanthus</i> Lawr. wfo-- 0000661674..... | 141 | <i>Echinofossulocactus crispatus</i> f. <i>violaciflorus</i> (Quehl) P.V.Heath wfo--0000661697..... | 352 |
| <i>Echinofossulocactus confusus</i> (Britton & Rose) P.V.Heath wfo--0001254472..... | 353 | <i>Echinofossulocactus densispinus</i> Schmoll wfo-- 0000661698..... | 354 |
| <i>Echinofossulocactus confusus</i> Britton & Rose wfo-- 0000661678..... | 353 | <i>Echinofossulocactus densispinus</i> Tiegel ex Pechanek wfo-- 0000661699..... | 354 |
| <i>Echinofossulocactus coptonogonus</i> (Lem.) Lawr. wfo-- 0000661679..... | 351 | <i>Echinofossulocactus dichroacanthus</i> (Mart. ex Pfeiff.) Britton & Rose wfo--0000661700..... | 352 |
| <i>Echinofossulocactus coptonogonus</i> var. <i>major</i> Lawr. wfo-- 0001430752..... | 351 | <i>Echinofossulocactus echidne</i> (DC.) Lawr. wfo--0000661701 | 138 |
| <i>Echinofossulocactus corniger</i> Lawr. wfo--0001430753..... | 140 | <i>Echinofossulocactus elatior</i> Lawr. wfo--0000661702 ... | 140 |
| <i>Echinofossulocactus corniger</i> var. <i>angustispinus</i> (Lawr.) Lawr. wfo--0001430754..... | 140 | <i>Echinofossulocactus ensiformis</i> Lawr. wfo--0000661703 | 352 |
| <i>Echinofossulocactus corniger</i> var. <i>elatior</i> (Lawr.) Lawr. wfo-- 0001430755..... | 140 | <i>Echinofossulocactus erectocentrus</i> Backeb. wfo-- 0000661704..... | 353 |
| <i>Echinofossulocactus corniger</i> var. <i>rubrospinus</i> (Lawr.) Lawr. wfo--0001430756..... | 140 | <i>Echinofossulocactus flexispinus</i> Bravo wfo--0000661705 | 352 |
| <i>Echinofossulocactus cornigerus</i> Lawr. wfo--0000661680 | 140 | <i>Echinofossulocactus gladius</i> (Link & Otto) Lawr. wfo-- 0000661707..... | 355 |
| <i>Echinofossulocactus cornigerus</i> var. <i>angustispinus</i> Lawr. wfo--0000738932..... | 140 | <i>Echinofossulocactus grandicornis</i> (Lem.) Britton & Rose wfo--0000661708..... | 352 |
| <i>Echinofossulocactus cornigerus</i> var. <i>elatior</i> Lawr. wfo-- 0000738933..... | 140 | <i>Echinofossulocactus guerraianus</i> Backeb. wfo-- 0000661709..... | 351 |
| <i>Echinofossulocactus cornigerus</i> var. <i>rubrospinus</i> Lawr. wfo-- 0000738934..... | 140 | <i>Echinofossulocactus harrisii</i> Lawr. wfo--0000661710 ... | 402 |
| <i>Echinofossulocactus crispatus</i> (DC.) Lawr. wfo-- 0000661681..... | 351 | <i>Echinofossulocactus hastatus</i> (Hopffer ex K.Schum.) Britton & Rose wfo--0000661711..... | 353 |
| <i>Echinofossulocactus crispatus</i> f. <i>acroacanthus</i> (Stieber) P.V.Heath wfo--0000661682..... | 352 | <i>Echinofossulocactus helophora</i> Lawr. wfo--0001288570 | 352 |
| <i>Echinofossulocactus crispatus</i> f. <i>anfractuosus</i> (Mart. ex Pfeiff.) P.V.Heath wfo--0001430757..... | 351 | <i>Echinofossulocactus helophorus</i> (Lem.) Lawr. wfo-- 0000661712..... | 86, 87 |
| <i>Echinofossulocactus crispatus</i> f. <i>arrigens</i> (Link ex A.Dietr.) P.V.Heath wfo--0001430758..... | 351 | <i>Echinofossulocactus helophorus</i> var. <i>longifossulatus</i> Lawr. wfo--0000738935..... | 352 |
| <i>Echinofossulocactus crispatus</i> f. <i>confusus</i> (Britton & Rose) P.V.Heath wfo--0000661683..... | 353 | <i>Echinofossulocactus heteracanthus</i> (Muehlenpf.) Britton & Rose wfo--0000661713..... | 352 |
| <i>Echinofossulocactus crispatus</i> f. <i>dichroacanthus</i> (Mart. ex Pfeiff.) P.V.Heath wfo--0001430759..... | 352 | <i>Echinofossulocactus hexaedrophorus</i> (Lem.) Lawr. wfo-- 0000661714..... | 366 |
| <i>Echinofossulocactus crispatus</i> f. <i>ensiferus</i> (Lem.) P.V.Heath wfo--0000661684..... | 351 | <i>Echinofossulocactus holopterus</i> (Miq. ex Salm-Dyck) Lawr. wfo--0000661715..... | 15 |
| | | <i>Echinofossulocactus ignotus-venosus</i> Lawr. wfo-- 0000661716..... | 402 |

| | | | |
|--|-----|--|-----|
| <i>Echinofossulocactus karwinskianus</i> Lawr. wfo-- 0000661718..... | 87 | <i>Echinofossulocactus phyllacanthus</i> var. <i>micracanthus</i> Lawr. wfo--0001430764..... | 354 |
| <i>Echinofossulocactus kellerianus</i> Krainz wfo--0000661719 | 352 | <i>Echinofossulocactus platyceras</i> (Lem.) Lawr. wfo-- 0000661743..... | 87 |
| <i>Echinofossulocactus lamellosus</i> (A.Dietr.) Britton & Rose wfo--0000661720..... | 353 | <i>Echinofossulocactus recurvus</i> (Mill.) Lawr. wfo-- 0000661744..... | 140 |
| <i>Echinofossulocactus lancifer</i> (A.Dietr.) Britton & Rose wfo-- -0000661721..... | 353 | <i>Echinofossulocactus recurvus</i> var. <i>campylacanthus</i> Lawr. wfo--0000738936..... | 140 |
| <i>Echinofossulocactus</i> Lawr. wfo--4000012929..... | 86 | <i>Echinofossulocactus robustus</i> (Otto ex Pfeiff.) Lawr. wfo-- 0000661745..... | 142 |
| <i>Echinofossulocactus lexarzai</i> (Bravo) Croizat wfo-- 0000661722..... | 353 | <i>Echinofossulocactus rosasianus</i> (Pechanek) P.V.Heath wfo-- -0001254467..... | 354 |
| <i>Echinofossulocactus lloydii</i> Britton & Rose wfo-- 0000661723..... | 353 | <i>Echinofossulocactus rosasianus</i> Whitmore ex Pechanek wfo--0000661748..... | 354 |
| <i>Echinofossulocactus macracanthus</i> Lawr. wfo-- 0000661724..... | 402 | <i>Echinofossulocactus rosasianus</i> Whitmore ex Schmoll wfo-- -0000661746..... | 354 |
| <i>Echinofossulocactus micracanthus</i> Lawr. wfo-- 0000661725..... | 402 | <i>Echinofossulocactus rubrospinus</i> Lawr. wfo--0000661749 | 140 |
| <i>Echinofossulocactus mirbelii</i> (Lem.) Lawr. wfo-- 0000661726..... | 15 | <i>Echinofossulocactus spinosus</i> (Wegener) P.V.Heath wfo-- 0000661750..... | 355 |
| <i>Echinofossulocactus multiareolatus</i> Bravo wfo-- 0000661728..... | 352 | <i>Echinofossulocactus spinosus</i> f. <i>albatus</i> (A.Dietr.) P.V.Heath wfo--0000661751..... | 355 |
| <i>Echinofossulocactus multicostatus</i> (Hildm. ex K.Schum.) Britton & Rose wfo--0000661729..... | 353 | <i>Echinofossulocactus spinosus</i> f. <i>vaupelianus</i> (Werderm.) P.V.Heath wfo--0000661752..... | 355 |
| <i>Echinofossulocactus multicostatus</i> f. <i>erectocentrus</i> (Backeb.) P.V.Heath wfo--0000661730..... | 353 | <i>Echinofossulocactus spiralis</i> (Karw. ex Pfeiff.) Lawr. wfo-- 0000661753..... | 141 |
| <i>Echinofossulocactus multicostatus</i> f. <i>lloydii</i> (Britton & Rose) P.V.Heath wfo--0000661731..... | 353 | <i>Echinofossulocactus sulphureus</i> (A.Dietr.) Y.Itô wfo-- 0000661754..... | 355 |
| <i>Echinofossulocactus multicostatus</i> f. <i>zacatecasensis</i> (Britton & Rose) P.V.Heath wfo--0000661732..... | 353 | <i>Echinofossulocactus sulphureus</i> f. <i>hastatus</i> (Hopffer ex K.Schum.) P.V.Heath wfo--0001430765..... | 353 |
| <i>Echinofossulocactus multicostatus</i> var. <i>coahuilensis</i> Frič wfo--0001430761..... | 353 | <i>Echinofossulocactus tellii</i> (A.Berger) Y.Itô wfo-- 0001286304..... | 352 |
| <i>Echinofossulocactus multicostatus</i> var. <i>zacatecasensis</i> (Britton & Rose) Lodé wfo--0000661733..... | 353 | <i>Echinofossulocactus tetraxiphus</i> (Otto ex K.Schum.) Oehme wfo--0000661755..... | 355 |
| <i>Echinofossulocactus obvallatus</i> (DC.) Lawr. wfo-- 0000661734..... | 354 | <i>Echinofossulocactus tricuspидatus</i> (Scheidw.) Britton & Rose wfo--0000661756..... | 354 |
| <i>Echinofossulocactus obvallatus</i> var. <i>arrigens</i> (Link ex A.Dietr.) J.Meyrán wfo--0001430762..... | 351 | <i>Echinofossulocactus turbiniformis</i> (Pfeiff.) Lawr. wfo-- 0000661758..... | 360 |
| <i>Echinofossulocactus ochoterenanus</i> P.V.Heath wfo-- 0001254466..... | 414 | <i>Echinofossulocactus vanderayei</i> (Lem.) Lawr. wfo-- 0000661759..... | 138 |
| <i>Echinofossulocactus ochoterenaus</i> (Tiegel) Whitmore wfo-- -0000661735..... | 354 | <i>Echinofossulocactus vanderayei</i> var. <i>ignotus-longispinus</i> Lawr. wfo--0000738937..... | 138 |
| <i>Echinofossulocactus ochoterenianus</i> (Tiegel) H.C.Whitmore wfo--0001286314..... | 354 | <i>Echinofossulocactus vaupelianus</i> (Werderm.) Oehme wfo-- -0000661760..... | 355 |
| <i>Echinofossulocactus oxypterus</i> (Zucc. ex Pfeiff.) Lawr. wfo-- -0000661737..... | 140 | <i>Echinofossulocactus violaciflorus</i> (Quehl) Britton & Rose wfo--0000661761..... | 352 |
| <i>Echinofossulocactus parksianus</i> C.Schmoll ex Pechanek wfo--0000661739..... | 354 | <i>Echinofossulocactus wippermannii</i> (Muehlenpf.) Britton & Rose wfo--0000661762..... | 355 |
| <i>Echinofossulocactus parksianus</i> Whitmore ex Schmoll wfo-- -0000661738..... | 354 | <i>Echinofossulocactus xiphacanthus</i> (Miq.) Backeb. wfo-- 0000661763..... | 351 |
| <i>Echinofossulocactus pentacanthus</i> (Lem.) Britton & Rose wfo--0000661740..... | 354 | <i>Echinofossulocactus zacatecasensis</i> Britton & Rose wfo-- 0000661764..... | 353 |
| <i>Echinofossulocactus pentacanthus</i> var. <i>david-boudetianus</i> Bravo wfo--0001286316..... | 354 | <i>Echinofossulocactus zacatecasensis</i> var. <i>moranensis</i> Bravo wfo--0001286311..... | 354 |
| <i>Echinofossulocactus pfeifferi</i> (Zucc.) Lawr. wfo-- 0000661741..... | 138 | <i>Echinobivia</i> Y.Itô wfo--4000042541..... | 321 |
| <i>Echinofossulocactus phyllacanthus</i> (Mart.) Lawr. wfo-- 0000661742..... | 354 | <i>Echinomastus acunensis</i> W.T.Marshall wfo--0000661795 | 338 |
| <i>Echinofossulocactus phyllacanthus</i> var. <i>hookeri</i> (Muehlenpf.) Bravo wfo--0001434756..... | 355 | <i>Echinomastus arizonicus</i> Hester wfo--0000745736..... | 337 |
| <i>Echinofossulocactus phyllacanthus</i> var. <i>macracanthus</i> Lawr. wfo--0001430763..... | 354 | <i>Echinomastus</i> Britton & Rose wfo--4000012936..... | 336 |
| | | <i>Echinomastus centralis</i> (J.M.Coult.) Y.Itô wfo-- 0000661796..... | 337 |

| | | | |
|--|----------|--|-----|
| <i>Echinomastus dasyacanthus</i> (Engelm.) Britton & Rose wfo--0000661798 | 337 | <i>Echinonyctanthus eyriesii</i> Lem. wfo--0000661826 | 108 |
| <i>Echinomastus durangensis</i> (Runge) Britton & Rose wfo--0000661799 | 339 | <i>Echinonyctanthus formosus</i> Lawr. wfo--0000661827 ... | 347 |
| <i>Echinomastus erectocentrus</i> (J.M.Coult.) Britton & Rose wfo--0000661800 | 336, 337 | <i>Echinonyctanthus Lem. wfo--4000012940</i> | 102 |
| <i>Echinomastus erectocentrus</i> subsp. <i>acunensis</i> (W.T.Marshall) U.Guzmán wfo--0000661801 | 338 | <i>Echinonyctanthus leucanthus</i> Lem. wfo--0000661828 | 3 |
| <i>Echinomastus erectocentrus</i> subsp. <i>erectocentrus</i> wfo--0001286172 | 337 | <i>Echinonyctanthus monstrosus</i> Lawr. wfo--0000661829 | 414 |
| <i>Echinomastus erectocentrus</i> var. <i>acunensis</i> (W.T.Marshall) Bravo wfo--0001430766 | 338 | <i>Echinonyctanthus multiplex</i> Lem. wfo--0000661830 | 108 |
| <i>Echinomastus gautii</i> (L.D.Benson) Mosco & Zanov. wfo--0000661802 | 339 | <i>Echinonyctanthus nigrispinus</i> Lem. wfo--0000661831 | 108 |
| <i>Echinomastus hispidus</i> D.Donati & Zanov. wfo--0000661803 | 414 | <i>Echinonyctanthus oxygenus</i> (Otto) Lem. wfo--0000661832 | 107 |
| <i>Echinomastus intertextus</i> (Engelm.) Britton & Rose wfo--0000661804 | 337 | <i>Echinonyctanthus pictus</i> Lem. wfo--0000661834 | 414 |
| <i>Echinomastus intertextus</i> subsp. <i>dasyacanthus</i> (Engelm.) U.Guzmán wfo--0000661806 | 337 | <i>Echinonyctanthus pulchellus</i> Lem. wfo--0000661835 | 98 |
| <i>Echinomastus intertextus</i> subsp. <i>intertextus</i> wfo--0001286175 | 337 | <i>Echinonyctanthus schelhasii</i> (Pfeiff.) Lem. wfo--0000661836 | 414 |
| <i>Echinomastus intertextus</i> var. <i>dasyacanthus</i> (Engelm.) Backeb. wfo--0000661805 | 337 | <i>Echinonyctanthus sulcatus</i> Lawr. wfo--0000661837 | 414 |
| <i>Echinomastus johnsonii</i> var. <i>lutescens</i> (Parish) Wiggins wfo--0000661808 | 337 | <i>Echinonyctanthus tubiflorus</i> (Pfeiff.) Lem. wfo--0000661838 | 109 |
| <i>Echinomastus johnsonii</i> (Parry ex Engelm.) E.M.Baxter wfo--0001287340 | 337 | <i>Echinonyctanthus turbinatus</i> Lem. wfo--0000661839 | 108 |
| <i>Echinomastus kakui</i> Backeb. wfo--0000661809 | 414 | <i>Echinopsis xalbisetata</i> (Akers) Molinari wfo--0001430770 | 393 |
| <i>Echinomastus krausei</i> (Hildm. ex Mathsson) Berger ex Borg wfo--0001430767 | 337 | <i>Echinopsis xanceschiana</i> Molinari & Mayta wfo--0001430771 | 390 |
| <i>Echinomastus laui</i> G.Frank & Zecher wfo--0000661810 | 339 | <i>Echinopsis xcabrerae</i> (R.Kiesling) G.D.Rowley wfo--0000661992 | 391 |
| <i>Echinomastus macdowellii</i> (Rebut ex Orcutt) Britton & Rose wfo--0000661811 | 367 | <i>Echinopsis xclimaxantha</i> (Werderm.) Molinari & Mayta wfo--0001430772 | 393 |
| <i>Echinomastus mapimiensis</i> Backeb. wfo--0000661812 | 339 | <i>Echinopsis xdroegeana</i> A.Berger wfo--0001288580 | 391 |
| <i>Echinomastus mariposensis</i> Hester wfo--0000661813 | 338 | <i>Echinopsis xdroegeana</i> R.Mey. ex Britton & Rose wfo--0000662080 | 391 |
| <i>Echinomastus mariposensis</i> subsp. <i>fischeri</i> Halda & Sladk. wfo--0001430768 | 338 | <i>Echinopsis xduvallii</i> R.Mey. ex Britton & Rose wfo--0000662082 | 391 |
| <i>Echinomastus uncinatus</i> (Galeotti ex Pfeiff.) F.M.Knuth wfo--0000661814 | 143 | <i>Echinopsis ximperialis</i> Hummel wfo--0000662157 | 396 |
| <i>Echinomastus uncinatus</i> var. <i>wrightii</i> (Engelm.) F.M.Knuth wfo--0001286197 | 143 | <i>Echinopsis xlagemannii</i> A.Dietr. ex K.Schum. wfo--0001288593 | 392 |
| <i>Echinomastus unguispinus</i> (Engelm.) Britton & Rose wfo--0001288571 | 339 | <i>Echinopsis xlagemannii</i> A.Dietr. wfo--0000662169 | 392 |
| <i>Echinomastus unguispinus</i> subsp. <i>durangensis</i> (Runge) U.Guzmán wfo--0000661816 | 339 | <i>Echinopsis xmuelleri</i> Hirscht wfo--0000662208 | 392 |
| <i>Echinomastus unguispinus</i> subsp. <i>laui</i> (G.Frank & Zecher) Glass wfo--0000661818 | 339 | <i>Echinopsis xnigerrima</i> Schelle wfo--0000662214 | 392 |
| <i>Echinomastus unguispinus</i> subsp. <i>minimus</i> (A.B.Lau) U.Guzmán wfo--0000661820 | 339 | <i>Echinopsis xposelgeri</i> R.Mey. wfo--0000662271 | 392 |
| <i>Echinomastus unguispinus</i> subsp. <i>unguispinus</i> wfo--0001286181 | 339 | <i>Echinopsis xquehllii</i> R.Mey. wfo--0000662287 | 392 |
| <i>Echinomastus unguispinus</i> var. <i>durangensis</i> (Runge) Bravo wfo--0001430769 | 339 | <i>Echinopsis xrohlandii</i> K.Schum. wfo--0000662309 | 392 |
| <i>Echinomastus unguispinus</i> var. <i>laui</i> (G.Frank & Zecher) Glass & R.A.Foster wfo--0000661817 | 339 | <i>Echinopsis xtettavii</i> Kratz wfo--0000662377 | 108 |
| <i>Echinomastus unguispinus</i> var. <i>minimus</i> A.B.Lau wfo--0000661819 | 339 | <i>Echinopsis xtougardii</i> Héring wfo--0000662386 | 392 |
| <i>Echinomastus warnockii</i> (L.D.Benson) Glass & R.A.Foster wfo--0000661822 | 339 | <i>Echinopsis xundulata</i> Rother wfo--0000662398 | 392 |
| <i>Echinonyctanthus decaisneanus</i> Lem. wfo--0000661825 | 108 | <i>Echinopsis xwilkensii</i> (Linke) K.Schum. wfo--0000662415 | 392 |
| | | <i>Echinopsis acanthura</i> (Vaupel) Molinari wfo--0001430773 | 29 |
| | | <i>Echinopsis acanthura</i> subsp. <i>canetensis</i> (Rauh & Backeb.) Molinari wfo--0001430774 | 29 |
| | | <i>Echinopsis acanthura</i> subsp. <i>faustiana</i> (Backeb.) Molinari & Mayta wfo--0001430775 | 30 |
| | | <i>Echinopsis acanthura</i> subsp. <i>pullata</i> (Rauh & Backeb.) Molinari wfo--0001430776 | 30 |
| | | <i>Echinopsis achatina</i> Hitchc. wfo--0001288572 | 188 |
| | | <i>Echinopsis adolfofriedrichii</i> G.Moser wfo--0000661925 | 109 |
| | | <i>Echinopsis albispina</i> Roth wfo--0000661927 | 106 |
| | | <i>Echinopsis albispinosa</i> K.Schum. wfo--0000661928 | 109 |
| | | <i>Echinopsis albispinosa</i> var. <i>fuauxiana</i> Backeb. wfo--0000661929 | 109 |
| | | <i>Echinopsis amblayensis</i> (Rausch) H.Friedrich wfo--0000661930 | 106 |
| | | <i>Echinopsis amblayensis</i> var. <i>albispina</i> (Rausch) H.Friedrich wfo--0000661931 | 106 |

| | | | | |
|---|------|---|----------------------------------|-----|
| <i>Echinopsis amoena</i> A.Dietr. wfo--0000661932 | 98 | <i>Echinopsis aurea</i> subsp. <i>dobeana</i> (Dözl) Lodé wfo-- | 0001430780 | 104 |
| <i>Echinopsis amoenissima</i> Wender. wfo--0000661933 | 414 | <i>Echinopsis aurea</i> subsp. <i>fallax</i> (Oehme) M.Lowry wfo-- | 0000661969 | 104 |
| <i>Echinopsis ancistrophora</i> Speg. wfo--0000661934 | 181 | <i>Echinopsis aurea</i> subsp. <i>leucomalla</i> (Wessner) Schlumpb. | wfo--0001434757 | 104 |
| <i>Echinopsis ancistrophora</i> subsp. <i>arachnacantha</i> (Buining & | | <i>Echinopsis aurea</i> subsp. <i>shaferi</i> (Britton & Rose) M.Lowry | wfo--0000661973 | 104 |
| F.Ritter) Rausch wfo--0000661935 | 182 | <i>Echinopsis aurea</i> var. <i>albiflora</i> (Rausch) J.Ullmann wfo-- | 0000661963 | 103 |
| <i>Echinopsis ancistrophora</i> subsp. <i>cardenasiana</i> (Rausch) | | <i>Echinopsis aurea</i> var. <i>callochrysea</i> (F.Ritter) J.Ullmann wfo-- | 0000661964 | 109 |
| Rausch wfo--0000661936 | 183 | <i>Echinopsis aurea</i> var. <i>catamarcensis</i> (F.Ritter) J.Ullmann | wfo--0000661965 | 103 |
| <i>Echinopsis ancistrophora</i> subsp. <i>pojoensis</i> (Rausch) Rausch | | <i>Echinopsis aurea</i> var. <i>depressicostata</i> (F.Ritter) J.Ullmann | wfo--0000661966 | 103 |
| wfo--0000661942 | 187 | <i>Echinopsis aurea</i> var. <i>dobeana</i> (Dözl) J.Ullmann wfo-- | 0000661967 | 104 |
| <i>Echinopsis ancistrophora</i> var. <i>arachnacantha</i> (Buining & | | <i>Echinopsis aurea</i> var. <i>fallax</i> (Oehme) J.Ullmann wfo-- | 0000661968 | 104 |
| F.Ritter) Rausch wfo--0001277373 | 182 | <i>Echinopsis aurea</i> var. <i>lariojensis</i> (F.Ritter) J.Ullmann wfo-- | 0000661970 | 103 |
| <i>Echinopsis ancistrophora</i> var. <i>grandiflora</i> (Rausch) Rausch | | <i>Echinopsis aurea</i> var. <i>quinensis</i> Rausch wfo--0000661971 | ..... | 103 |
| wfo--0000661938 | 183 | <i>Echinopsis aurea</i> var. <i>quinesensis</i> Rausch wfo-- | 0000661972 | 103 |
| <i>Echinopsis ancistrophora</i> var. <i>graulichii</i> (Frič) J.Ullmann | | <i>Echinopsis aurea</i> var. <i>sierragrandsensis</i> (Rausch) J.Ullmann | wfo--0000661974 | 103 |
| wfo--0001430777 | 181 | <i>Echinopsis aurea</i> var. <i>tortuosa</i> (Rausch) J.Ullmann wfo-- | 0000661975 | 103 |
| <i>Echinopsis ancistrophora</i> var. <i>hamatacantha</i> (Backeb.) | | <i>Echinopsis ayopayana</i> F.Ritter & Rausch wfo--0000661976 | ..... | 182 |
| Rausch wfo--0000661939 | 181 | <i>Echinopsis backebergii</i> subsp. <i>wrightiana</i> (Backeb.) | M.Lowry wfo--0001430781 | 182 |
| <i>Echinopsis ancistrophora</i> var. <i>kratochviliana</i> (Backeb.) | | <i>Echinopsis backebergii</i> Werderm. wfo--0000661977 ... | 182 | |
| Rausch wfo--0000661940 | 181 | <i>Echinopsis balansae</i> (K.Schum.) Anceschi & Magli wfo-- | 0001430782 | 168 |
| <i>Echinopsis ancistrophora</i> var. <i>megalcephala</i> (Rausch) | | <i>Echinopsis baldiana</i> Speg. wfo--0000661980 | 3 | |
| Rausch wfo--0000661941 | 183 | <i>Echinopsis baumannii</i> (Lem.) Anceschi & Magli wfo-- | 0001430783 | 45 |
| <i>Echinopsis ancistrophora</i> var. <i>polyancistra</i> (Backeb.) | | <i>Echinopsis beckmannii</i> Döll wfo--0001288573 | 402 | |
| Rausch wfo--0000661943 | 181 | <i>Echinopsis berlingii</i> Y.Itô wfo--0000661981 | 414 | |
| <i>Echinopsis ancistrophora</i> var. <i>torrecillasensis</i> (Cárdenas) | | <i>Echinopsis bertramiana</i> (Backeb.) H.Friedrich & | G.D.Rowley wfo--0001289524 | 350 |
| Rausch wfo--0001277374 | 182 | <i>Echinopsis boeckmannii</i> E.S.Burgess wfo--0001288574 | 402 | |
| <i>Echinopsis angelesiae</i> (R.Kiesling) G.D.Rowley wfo-- | | <i>Echinopsis boederkeriana</i> Harden wfo--0000661982 ... | 189 | |
| 0000661944 | 345 | <i>Echinopsis bolligeriana</i> Mächler & Helmut Walter wfo-- | 0000661983 | 178 |
| <i>Echinopsis antezanae</i> (Cárdenas) H.Friedrich & G.D.Rowley | | <i>Echinopsis bonnieae</i> (Halda, Hogan & Janeba) Halda & | Malina wfo--0000661984 | 325 |
| wfo--0000661945 | 350 | <i>Echinopsis boutillieri</i> Parmentier wfo--0001288575 | 402 | |
| <i>Echinopsis apiculata</i> Linke wfo--0000661946 | 106 | <i>Echinopsis boyuibensis</i> F.Ritter wfo--0000661985 | 182 | |
| <i>Echinopsis arachnacantha</i> (Buining & F.Ritter) H.Friedrich | | <i>Echinopsis brasiliensis</i> Frič ex Pazout wfo--0000661986 | 108 | |
| wfo--0000661947 | 182 | <i>Echinopsis breviflora</i> (Backeb.) M.Lowry wfo--0000661987 | ..... | 104 |
| <i>Echinopsis arachnacantha</i> subsp. <i>densiseta</i> (Rausch) | | <i>Echinopsis brevispina</i> (F.Ritter) H.Friedrich & G.D.Rowley | wfo--0000661988 | 4 |
| M.Lowry wfo--0000661949 | 182 | <i>Echinopsis bridgesii</i> Salm-Dyck wfo--0000661989 | 182 | |
| <i>Echinopsis arachnacantha</i> subsp. <i>sulphurea</i> (R.Vásquez) | | <i>Echinopsis bridgesii</i> subsp. <i>vallegrandensis</i> (Cárdenas) | M.Lowry wfo--0001430784 | 183 |
| M.Lowry wfo--0000661951 | 182 | <i>Echinopsis bridgesii</i> subsp. <i>yungasensis</i> (F.Ritter) P.J.Braun | & Esteves wfo--0000661990 | 183 |
| <i>Echinopsis arachnacantha</i> subsp. <i>torrecillasensis</i> | | | | |
| (Cárdenas) M.Lowry wfo--0000661953 | 182 | | | |
| <i>Echinopsis arachnacantha</i> var. <i>densiseta</i> (Rausch) | | | | |
| H.Friedrich wfo--0000661948 | 182 | | | |
| <i>Echinopsis arachnacantha</i> var. <i>sulphurea</i> (R.Vásquez) | | | | |
| G.D.Rowley wfo--0000661950 | 182 | | | |
| <i>Echinopsis arachnacantha</i> var. <i>torrecillasensis</i> (Cárdenas) | | | | |
| H.Friedrich wfo--0000661952 | 182 | | | |
| <i>Echinopsis arachnacantha</i> var. <i>vallegrandensis</i> Rausch | | | | |
| wfo--0000661954 | 182 | | | |
| <i>Echinopsis arboricola</i> (Kimnach) Mottram wfo-- | | | | |
| 0000661955 | 345 | | | |
| <i>Echinopsis arebaloi</i> Cárdenas wfo--0000661956 | 106 | | | |
| <i>Echinopsis atacamensis</i> (Phil.) H.Friedrich & G.D.Rowley | | | | |
| wfo--0000661957 | 178 | | | |
| <i>Echinopsis atacamensis</i> subsp. <i>pasacana</i> (F.A.C.Weber ex | | | | |
| Rümppler) G.Navarro wfo--0000661959 | 178 | | | |
| <i>Echinopsis aurantiaca</i> (Rausch) H.Friedrich & G.D.Rowley | | | | |
| wfo--0000661960 | 4 | | | |
| <i>Echinopsis aurata</i> Salm-Dyck wfo--0000661961 | 397 | | | |
| <i>Echinopsis aurea</i> Britton & Rose wfo--0000661962 | 103, | | | |
| 109 | | | | |
| <i>Echinopsis aurea</i> subsp. <i>albiflora</i> (Rausch) Lodé wfo-- | | | | |
| 0001430778 | 103 | | | |
| <i>Echinopsis aurea</i> subsp. <i>aurea</i> wfo--0001430779 | 103 | | | |

| | | | |
|--|-----|--|-----|
| <i>Echinopsis bruchii</i> (Britton & Rose) A.Cast. & H.V.Lelong wfo--0001289757 | 345 | <i>Echinopsis chamaecereus</i> H.Friedrich & Glaetle wfo-- 0000662017 | 43 |
| <i>Echinopsis bruchii</i> (Britton & Rose) H.Friedrich & Glaetle wfo--0000661991 | 345 | <i>Echinopsis cherauniana</i> Schlumb. wfo--0000662018 | 183 |
| <i>Echinopsis buchtienii</i> (Backeb.) Anceschi & Magli wfo-- 0001430785 | 45 | <i>Echinopsis chiloensis</i> (Colla) H.Friedrich & G.D.Rowley wfo-- 0000662020 | 178 |
| <i>Echinopsis bylesiana</i> (Andreae & Backeb.) Mayta wfo-- 0001430786 | 318 | <i>Echinopsis chiloensis</i> subsp. <i>litoralis</i> (Johow) M.Lowry wfo-- 0000662022 | 179 |
| <i>Echinopsis cachensis</i> Speg. wfo--0000661993 | 106 | <i>Echinopsis chiloensis</i> subsp. <i>skottsbergii</i> (Backeb. ex Skotts.) G.J.Charles wfo--0000662023 | 179 |
| <i>Echinopsis caespitosa</i> J.A.Purpus wfo--0000661994 | 186 | <i>Echinopsis chiloensis</i> var. <i>eburnea</i> (Phil. ex K.Schum.) H.Friedrich & G.D.Rowley wfo--0000662021 | 179 |
| <i>Echinopsis caineana</i> (Cárdenas) D.R.Hunt wfo-- 0000661995 | 183 | <i>Echinopsis chionantha</i> (Speg.) Werderm. wfo-- 0000662024 | 4 |
| <i>Echinopsis cajasensis</i> F.Ritter wfo--0000661996 | 186 | <i>Echinopsis chrysantha</i> Werderm. wfo--0000662025 | 104 |
| <i>Echinopsis calliantholilacina</i> Cárdenas wfo--0000661997 | 187 | <i>Echinopsis chrysochete</i> var. <i>minutiflora</i> Rausch wfo-- 0001430792 | 186 |
| <i>Echinopsis callichroma</i> Cárdenas wfo--0000661998 | 187 | <i>Echinopsis chrysochete</i> Werderm. wfo--0000662026... .. | 183 |
| <i>Echinopsis callochrysea</i> (F.Ritter) Lodé wfo--0001430787 | 109 | <i>Echinopsis churinensis</i> (F.Ritter) Molinari wfo-- 0001430793 | 377 |
| <i>Echinopsis calochlora</i> K.Schum. wfo--0000662000 | 104 | <i>Echinopsis cinnabarina</i> (Hook.) Labour. wfo--0000662027 | 183 |
| <i>Echinopsis calochlora</i> subsp. <i>glaetzleana</i> P.J.Braun & Esteves wfo--0001430788 | 104 | <i>Echinopsis cinnabarina</i> var. <i>cheroniana</i> Fernald wfo-- 0000738941 | 183 |
| <i>Echinopsis calochlora</i> var. <i>claviformis</i> Rud.Mey. wfo-- 0000662001 | 104 | <i>Echinopsis cinnabarina</i> var. <i>cristata</i> Keay wfo-- 0000738942 | 183 |
| <i>Echinopsis calorubra</i> Cárdenas wfo--0000662002 | 183 | <i>Echinopsis cinnabarina</i> var. <i>scheeriana</i> Rud.Mey. wfo-- 0000738943 | 183 |
| <i>Echinopsis camarguensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662003 | 346 | <i>Echinopsis cinnabarina</i> var. <i>spinosior</i> Rümpler wfo-- 0000738944 | 183 |
| <i>Echinopsis campylacantha</i> Pfeiff. & Otto wfo-- 0000662004 | 3 | <i>Echinopsis clavata</i> (F.Ritter) D.R.Hunt wfo--0000662028 | 369 |
| <i>Echinopsis campylacantha</i> var. <i>leucantha</i> Labour. wfo-- 0000738939 | 3 | <i>Echinopsis clavatus</i> (F.Ritter) D.R.Hunt wfo--0001430794 | 369 |
| <i>Echinopsis campylacantha</i> var. <i>stylodes</i> Monv. ex Labour. wfo--0000738940 | 3 | <i>Echinopsis cochabambensis</i> Backeb. wfo--0000662029 | 106 |
| <i>Echinopsis candelilla</i> (Cárdenas) Anceschi & Magli wfo-- 0001430789 | 46 | <i>Echinopsis colmariensis</i> K.Schum. wfo--0001288577 | 183 |
| <i>Echinopsis candicans</i> (Gillies ex Salm-Dyck) D.R.Hunt wfo-- 0000662005 | 346 | <i>Echinopsis colmarii</i> Neubert wfo--0001288578 | 183 |
| <i>Echinopsis candicans</i> var. <i>gladiata</i> (Lem.) H.Friedrich & G.D.Rowley wfo--0000662006 | 346 | <i>Echinopsis columnaris</i> Fernald wfo--0001288579 | 183 |
| <i>Echinopsis candicans</i> var. <i>tenuispina</i> (Pfeiff.) H.Friedrich & G.D.Rowley wfo--0000662007 | 346 | <i>Echinopsis comarapana</i> Cárdenas wfo--0000662031 | 106 |
| <i>Echinopsis cardenasiana</i> (Rausch) H.Friedrich wfo-- 0000662008 | 183 | <i>Echinopsis conaconensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662032 | 350 |
| <i>Echinopsis carmineiflora</i> (Hoffm. & Backeb.) H.Friedrich wfo--0000662009 | 187 | <i>Echinopsis coquimbana</i> (Molina) H.Friedrich & G.D.Rowley wfo--0000662033 | 396 |
| <i>Echinopsis catamarcensis</i> F.A.C.Weber wfo--0000662010 | 125 | <i>Echinopsis coquimbana</i> Hoffm. wfo--0001288654 | 414 |
| <i>Echinopsis caulescens</i> (F.Ritter) M.Lowry wfo-- 0000662011 | 346 | <i>Echinopsis cordobensis</i> Speg. wfo--0000662034 | 3 |
| <i>Echinopsis cavendishii</i> Hortus wfo--0001288576 | 188 | <i>Echinopsis coronata</i> Cárdenas wfo--0000662035 | 184 |
| <i>Echinopsis celsiana</i> (Lem. ex Salm-Dyck) Anceschi & Magli wfo--0001430790 | 275 | <i>Echinopsis cotacajesii</i> Cárdenas wfo--0000662036 | 183 |
| <i>Echinopsis cephalomacrostibas</i> (Werderm. & Backeb.) H.Friedrich & G.D.Rowley wfo--0000662012 | 377 | <i>Echinopsis courantii</i> (K.Schum.) H.Friedrich & G.D.Rowley wfo--0000662037 | 346 |
| <i>Echinopsis cerdana</i> Cárdenas wfo--0000662013 | 184 | <i>Echinopsis crassicaulis</i> (R.Kiesling) H.Friedrich & Glaetle wfo--0000662038 | 347 |
| <i>Echinopsis ceroniana</i> Molinari & Mayta wfo--0001430791 | 238 | <i>Echinopsis cristata</i> Salm-Dyck wfo--0000662039 | 186 |
| <i>Echinopsis chacoana</i> Schütz wfo--0000662014 | 4 | <i>Echinopsis cristata</i> var. <i>purpurea</i> Hook. wfo--0000662040 | 186 |
| <i>Echinopsis chacoana</i> var. <i>spinosior</i> F.Ritter wfo-- 0000662015 | 3 | <i>Echinopsis cuzcoensis</i> (Britton & Rose) H.Friedrich & G.D.Rowley wfo--0000662041 | 369 |
| <i>Echinopsis chalaensis</i> (Rauh & Backeb.) H.Friedrich & G.D.Rowley wfo--0000662016 | 369 | <i>Echinopsis cylindracea</i> (Backeb.) H.Friedrich wfo-- 0000662042 | 104 |
| | | <i>Echinopsis decainiana</i> (Lem.) Walp. wfo--0000662043 | 108 |
| | | <i>Echinopsis decumbens</i> (Vaupel) Mayta wfo--0001430795 | 163 |
| | | <i>Echinopsis deminuta</i> F.A.C.Weber wfo--0000662044 | 19 |

| | | | |
|---|-----|--|----------|
| <i>Echinopsis densispina</i> f. <i>albiflora</i> (Wessner) Buining wfo--0000662046..... | 105 | <i>Echinopsis dobeana</i> (Dölz) J.G.Lamb. wfo--0000662079..... | 104 |
| <i>Echinopsis densispina</i> f. <i>albolanata</i> (Buining) Buining wfo--0000662047..... | 105 | <i>Echinopsis ducis-pauli</i> C.F.Först. ex Rümpler wfo--0000662081..... | 80 |
| <i>Echinopsis densispina</i> f. <i>aurantiaca</i> (Wessner) Buining wfo--0000662049..... | 325 | <i>Echinopsis dumeliana</i> Cels ex Salm-Dyck wfo--0001288581..... | 346 |
| <i>Echinopsis densispina</i> f. <i>blossfeldii</i> (Wessner) Buining wfo--0000662050..... | 105 | <i>Echinopsis dumesniliana</i> Cels ex K.Schum. wfo--0001288582..... | 346 |
| <i>Echinopsis densispina</i> f. <i>chlorogona</i> (Wessner) Buining wfo--0000662052..... | 105 | <i>Echinopsis duvallii</i> Wedd. wfo--0001288583..... | 402 |
| <i>Echinopsis densispina</i> f. <i>cinnabarina</i> (Backeb. ex Wessner) Buining wfo--0000662053..... | 325 | <i>Echinopsis elegans</i> Seidenf. wfo--0001288584..... | 414 |
| <i>Echinopsis densispina</i> f. <i>citriflora</i> (Wessner) Buining wfo--0000662054..... | 325 | <i>Echinopsis elongata</i> (Backeb.) H.Friedrich wfo--0000662085..... | 106 |
| <i>Echinopsis densispina</i> f. <i>citriniflora</i> (Backeb.) Buining wfo--0000662055..... | 105 | <i>Echinopsis erectispina</i> (Rauh & Backeb.) Molinari wfo--0001430796..... | 29 |
| <i>Echinopsis densispina</i> f. <i>cupreoviridis</i> (Wessner) Buining wfo--0000662056..... | 105 | <i>Echinopsis erigens</i> (Rauh & Backeb.) Molinari wfo--0001430797..... | 29 |
| <i>Echinopsis densispina</i> f. <i>eburnea</i> (Wessner) Buining wfo--0000662057..... | 326 | <i>Echinopsis escayachensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662086..... | 180 |
| <i>Echinopsis densispina</i> f. <i>haematantha</i> (Wessner) Buining wfo--0000662058..... | 105 | <i>Echinopsis eyriesii</i> (Turpin) Pfeiff. & Otto wfo--0000662087..... | 108 |
| <i>Echinopsis densispina</i> f. <i>kraussiana</i> (Backeb.) Buining wfo--0000662059..... | 105 | <i>Echinopsis eyriesii</i> (Turpin) Zucc. wfo--0001288585..... | 102, 108 |
| <i>Echinopsis densispina</i> f. <i>leucomalla</i> (Wessner) Buining wfo--0000662061..... | 104 | <i>Echinopsis eyriesii</i> var. <i>crystata</i> Donn.Sm. wfo--0000738945..... | 108 |
| <i>Echinopsis densispina</i> f. <i>pectinifera</i> (Wessner) Buining wfo--0000662063..... | 105 | <i>Echinopsis eyriesii</i> var. <i>duvallii</i> Schelle wfo--0000738946..... | 108 |
| <i>Echinopsis densispina</i> f. <i>purpureostoma</i> (Wessner) Buining wfo--0000662065..... | 105 | <i>Echinopsis eyriesii</i> var. <i>glauca</i> C.F.Först. wfo--0000738948..... | 108 |
| <i>Echinopsis densispina</i> f. <i>rubroviridis</i> (Wessner) Buining wfo--0000662067..... | 105 | <i>Echinopsis eyriesii</i> var. <i>glaucescens</i> C.F.Först. wfo--0000738949..... | 108 |
| <i>Echinopsis densispina</i> f. <i>sanguinea</i> (Wessner) Buining wfo--0000662068..... | 105 | <i>Echinopsis eyriesii</i> var. <i>grandiflora</i> Rud.Mey. wfo--0000662088..... | 108 |
| <i>Echinopsis densispina</i> f. <i>setosa</i> (Backeb.) Buining wfo--0000662069..... | 105 | <i>Echinopsis eyriesii</i> var. <i>major</i> Schelle wfo--0000738950..... | 108 |
| <i>Echinopsis densispina</i> f. <i>subcarnea</i> (Wessner) Buining wfo--0000662070..... | 326 | <i>Echinopsis eyriesii</i> var. <i>phyligera</i> Schelle wfo--0000738951..... | 108 |
| <i>Echinopsis densispina</i> f. <i>sublimiflora</i> (Backeb. ex Wessner) Buining wfo--0000662071..... | 105 | <i>Echinopsis eyriesii</i> var. <i>puclantii</i> P.Fourn. wfo--0000662089..... | 108 |
| <i>Echinopsis densispina</i> f. <i>sufflava</i> (Wessner) Buining wfo--0000662072..... | 326 | <i>Echinopsis eyriesii</i> var. <i>rosea</i> Link ex Schelle wfo--0000738952..... | 108 |
| <i>Echinopsis densispina</i> f. <i>versicolor</i> (Wessner) Buining wfo--0000662073..... | 415 | <i>Echinopsis eyriesii</i> var. <i>schelhasii</i> (Pfeiff. & Otto) P.Fourn. wfo--0000662090..... | 108 |
| <i>Echinopsis densispina</i> f. <i>wessneriana</i> (Fritzen) Buining wfo--0000662074..... | 105 | <i>Echinopsis eyriesii</i> var. <i>tettavii</i> Jacobi wfo--0000738953..... | 108 |
| <i>Echinopsis densispina</i> var. <i>amblayensis</i> (Rausch) J.G.Lamb. wfo--0000662048..... | 106 | <i>Echinopsis eyriesii</i> var. <i>triumphans</i> Jacobi wfo--0000738954..... | 108 |
| <i>Echinopsis densispina</i> var. <i>kreuzingeri</i> (Frič ex Buining) Buining wfo--0000662060..... | 105 | <i>Echinopsis eyriesii</i> var. <i>wilkensii</i> Linke wfo--0001434758..... | 392 |
| <i>Echinopsis densispina</i> var. <i>pectinifera</i> (Wessner) J.G.Lamb. wfo--0000662064..... | 105 | <i>Echinopsis fabrisii</i> (R.Kiesling) G.D.Rowley wfo--0000662091..... | 347 |
| <i>Echinopsis densispina</i> var. <i>rebutioides</i> (Backeb.) Buining wfo--0000662066..... | 106 | <i>Echinopsis falcata</i> Rümpler wfo--0001288587..... | 414 |
| <i>Echinopsis densispina</i> Werderm. wfo--0000662045..... | 104 | <i>Echinopsis fallax</i> (Oehme) H.Friedrich wfo--0000662092..... | 104 |
| <i>Echinopsis derenbergii</i> Frič wfo--0000662075..... | 108 | <i>Echinopsis fallax</i> var. <i>albiflora</i> (Rausch) Lambinon wfo--0000662093..... | 103 |
| <i>Echinopsis derenbergii</i> var. <i>blossfeldii</i> Backeb. wfo--0000662076..... | 108 | <i>Echinopsis fallax</i> var. <i>callochrysea</i> (F.Ritter) Lambinon wfo--0000662094..... | 109 |
| <i>Echinopsis deserticola</i> (Werderm.) H.Friedrich & G.D.Rowley wfo--0000662077..... | 179 | <i>Echinopsis fallax</i> var. <i>catamarcensis</i> (F.Ritter) Lambinon wfo--0000662096..... | 103 |
| <i>Echinopsis deserticola</i> var. <i>fulvilana</i> (F.Ritter) A.E.Hoffm. wfo--0000662078..... | 179 | <i>Echinopsis fallax</i> var. <i>cylindrica</i> (Backeb.) J.G.Lamb. wfo--0000662097..... | 103 |
| | | <i>Echinopsis fallax</i> var. <i>depressicostata</i> (F.Ritter) Lambinon wfo--0000662098..... | 103 |

| | | | |
|---|-----|---|-----|
| <i>Echinopsis fallax</i> var. <i>shaferi</i> (Britton & Rose) Lambinon wfo--0000662099 | 104 | <i>Echinopsis glauca</i> f. <i>pendens</i> (F.Ritter) H.Friedrich & G.D.Rowley wfo--0000662124 | 369 |
| <i>Echinopsis fallax</i> var. <i>tortuosa</i> (Rausch) J.G.Lamb. wfo--0000662100 | 103 | <i>Echinopsis glaucina</i> H.Friedrich & G.D.Rowley wfo--0000662125 | 3 |
| <i>Echinopsis famatinensis</i> (Speg.) Werderm. wfo--0000662101 | 325 | <i>Echinopsis glaziovii</i> (K.Schum.) Molinari & Mayta wfo--0001430805 | 13 |
| <i>Echinopsis familiaris</i> (F.Ritter) Mayta & Molinari wfo--0001430798 | 318 | <i>Echinopsis graciliflora</i> Cárdenas wfo--0001254425 | 182 |
| <i>Echinopsis ferox</i> (Britton & Rose) Backeb. wfo--0000662102 | 184 | <i>Echinopsis gracilis</i> (Mill.) Molinari & Mayta wfo--0001430806 | 168 |
| <i>Echinopsis ferox</i> subsp. <i>potosina</i> (Werderm.) M.Lowry wfo--0000662104 | 184 | <i>Echinopsis grandiflora</i> Linke wfo--0000662126 | 104 |
| <i>Echinopsis ferox</i> var. <i>potosina</i> (Werderm.) Rausch wfo--0000662103 | 184 | <i>Echinopsis grandis</i> (Britton & Rose) H.Friedrich & G.D.Rowley wfo--0000662127 | 345 |
| <i>Echinopsis fiebrigii</i> Gürke wfo--0000662105 | 187 | <i>Echinopsis guentheri</i> (Kupper) Anceschi & Magli wfo--0001430807 | 377 |
| <i>Echinopsis fieldiana</i> (Britton & Rose) Molinari wfo--0001430799 | 30 | <i>Echinopsis haageana</i> Linke wfo--0001288591 | 15 |
| <i>Echinopsis fieldiana</i> subsp. <i>tessellata</i> (Akers & Buining) Molinari & Mayta wfo--0001430800 | 30 | <i>Echinopsis haageanus</i> Linke wfo--0000662128 | 15 |
| <i>Echinopsis fobeana</i> Rchb.f. wfo--0001288588 | 402 | <i>Echinopsis hadriatica</i> Molinari & Mayta wfo--0001430808 | 165 |
| <i>Echinopsis forbesii</i> A.Dietr. wfo--0000662107 | 3 | <i>Echinopsis haematantha</i> (Speg.) D.R.Hunt wfo--0000662129 | 106 |
| <i>Echinopsis formosa</i> (Pfeiff.) Jacobi ex Salm-Dyck wfo--0000662108 | 347 | <i>Echinopsis haematantha</i> var. <i>chorrillosensis</i> (Rausch) J.G.Lamb. wfo--0000662130 | 106 |
| <i>Echinopsis formosa</i> subsp. <i>bruchii</i> (Britton & Rose) M.Lowry wfo--0001430801 | 345 | <i>Echinopsis haematantha</i> var. <i>elongata</i> (Backeb.) J.G.Lamb. wfo--0000662131 | 106 |
| <i>Echinopsis formosa</i> subsp. <i>bruchii</i> (Britton & Rose) M.Lowry wfo--0000662109 | 345 | <i>Echinopsis haematantha</i> var. <i>hualfinensis</i> (Rausch) J.G.Lamb. wfo--0000662132 | 106 |
| <i>Echinopsis formosa</i> subsp. <i>kieslingii</i> (Rausch) M.Lowry wfo--0001430802 | 347 | <i>Echinopsis haematantha</i> var. <i>jasimanensis</i> (Rausch) J.G.Lamb. wfo--0000662133 | 106 |
| <i>Echinopsis formosa</i> subsp. <i>korethroides</i> (Werderm.) M.Lowry wfo--0001430803 | 347 | <i>Echinopsis haematantha</i> var. <i>kuehnrchii</i> (Frič) J.G.Lamb. wfo--0000662134 | 106 |
| <i>Echinopsis formosa</i> subsp. <i>randallii</i> (Cárdenas) M.Lowry wfo--0000662110 | 347 | <i>Echinopsis hahniana</i> (Backeb.) R.S.Wallace wfo--0000662136 | 348 |
| <i>Echinopsis formosa</i> subsp. <i>rosarioana</i> (Rausch) M.Lowry wfo--0001430804 | 347 | <i>Echinopsis hamatacantha</i> Backeb. wfo--0000662137 .. | 181 |
| <i>Echinopsis formosa</i> var. <i>albispina</i> F.A.C.Weber ex Schelle wfo--0000738955 | 347 | <i>Echinopsis hamatispina</i> Werderm. wfo--0000662138 .. | 414 |
| <i>Echinopsis formosa</i> var. <i>laevior</i> Monv. ex Labour. wfo--0000738956 | 347 | <i>Echinopsis hammerschmidii</i> Cárdenas wfo--0000662139 | 106 |
| <i>Echinopsis formosa</i> var. <i>rubripina</i> Monv. ex Labour. wfo--0000738957 | 347 | <i>Echinopsis hardeniana</i> Boed. wfo--0000662140 | 188 |
| <i>Echinopsis formosa</i> var. <i>spiniosior</i> Salm-Dyck ex Labour. wfo--0000738960 | 347 | <i>Echinopsis haynei</i> (Otto ex Salm-Dyck) Molinari wfo--0001430809 | 239 |
| <i>Echinopsis formosissima</i> Labour. wfo--0000662111 | 178 | <i>Echinopsis hempeliana</i> Gürke wfo--0000662141 | 276 |
| <i>Echinopsis fragiliflora</i> Cárdenas wfo--0000662112 | 414 | <i>Echinopsis herbasii</i> Cárdenas wfo--0000662142 | 186 |
| <i>Echinopsis fricii</i> (Rausch) H.Friedrich wfo--0000662113 .. | 191 | <i>Echinopsis hertrichiana</i> (Backeb.) D.R.Hunt wfo--0000662143 | 185 |
| <i>Echinopsis friedrichii</i> G.D.Rowley wfo--0000662115 | 349 | <i>Echinopsis herzogiana</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662144 | 350 |
| <i>Echinopsis fulvilana</i> (F.Ritter) H.Friedrich & G.D.Rowley wfo--0000662116 | 179 | <i>Echinopsis herzogiana</i> var. <i>totorensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0001434759 | 350 |
| <i>Echinopsis gemmata</i> (Otto ex Pfeiff.) K.Schum. wfo--0000662117 | 192 | <i>Echinopsis hoffmannii</i> (G.J.Charles) Molinari wfo--0001430810 | 30 |
| <i>Echinopsis gemmata</i> var. <i>decaisneana</i> (Lem.) Schelle wfo--0000662118 | 108 | <i>Echinopsis horstii</i> (P.J.Braun) Anceschi & Magli wfo--0001430811 | 45 |
| <i>Echinopsis gemmata</i> var. <i>schelhasii</i> Schelle wfo--0000662119 | 108 | <i>Echinopsis hossei</i> Werderm. wfo--0000662146 | 414 |
| <i>Echinopsis gibbosa</i> Pfeiff. ex C.F.Först. wfo--0000662120 | 154 | <i>Echinopsis hualfinensis</i> (Rausch) H.Friedrich & Glaetzel wfo--0000662147 | 106 |
| <i>Echinopsis gigantea</i> R.Mey. wfo--0000662121 | 414 | <i>Echinopsis huascha</i> (F.A.C.Weber) H.Friedrich & G.D.Rowley wfo--0000662148 | 348 |
| <i>Echinopsis gladiospina</i> Y.Itô wfo--0000662122 | 3 | <i>Echinopsis huascha</i> subsp. <i>robusta</i> (Rausch) M.Lowry wfo--0000662150 | 348 |
| <i>Echinopsis glauca</i> (F.Ritter) H.Friedrich & G.D.Rowley wfo--0000662123 | 369 | <i>Echinopsis huascha</i> var. <i>auricolor</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662149 | 348 |
| | | <i>Echinopsis huascha</i> var. <i>rubriflora</i> (F.A.C.Weber) H.Friedrich & G.D.Rowley wfo--0000662151 | 348 |

| | | | | |
|--|---------------------------------------|--|--|---|
| <i>Echinopsis huotii</i> (F.Cels) Labour. wfo--0000662152..... | 106 | <i>Echinopsis longispina</i> (Britton & Rose) Werderm. wfo-- | 0000662182 | 184 |
| <i>Echinopsis huotii</i> subsp. <i>huotii</i> wfo--0001251989 | 106 | <i>Echinopsis macrodiscus</i> Frič wfo--0000662183 | 414 | |
| <i>Echinopsis huotii</i> subsp. <i>vallegrandensis</i> (Cárdenas) | | <i>Echinopsis macrogona</i> (Salm-Dyck) H.Friedrich & | G.D.Rowley wfo--0000662184 | 369 |
| G.Navarro wfo--0001430812..... | 183 | <i>Echinopsis magliana</i> Mayta & Molinari wfo--0001430823 | ..... | 163 |
| <i>Echinopsis hyalacantha</i> (Speg.) Werderm. wfo-- | 0000662153..... | 348 | <i>Echinopsis mamillosa</i> Gürke wfo--0000662185..... | 185 |
| <i>Echinopsis hystrichoides</i> F.Ritter wfo--0000662155..... | 186 | <i>Echinopsis mamillosa</i> subsp. <i>silvatica</i> (F.Ritter) P.J.Braun & | Esteves wfo--0000662190 | 186 |
| <i>Echinopsis ibicutensis</i> Cárdenas wfo--0000662156..... | 107 | <i>Echinopsis mamillosa</i> var. <i>flexilis</i> Rausch wfo-- | 0000662186 | 186 |
| <i>Echinopsis ingens</i> (Backeb.) H.Friedrich & G.D.Rowley wfo-- | 0000662158 | 345 | <i>Echinopsis mamillosa</i> var. <i>hystrichoides</i> (F.Ritter) J.Ullmann | wfo--0001430824 |
| <i>Echinopsis intricatissima</i> Speg. wfo--0000662159 | 3 | 186 | <i>Echinopsis mamillosa</i> var. <i>kermesina</i> (Krainz) H.Friedrich | wfo--0000662189 |
| <i>Echinopsis jajoiana</i> (Backeb.) Blossf. wfo--0001430813 | 107 | 186 | <i>Echinopsis manguinii</i> (Backeb.) H.Friedrich & G.D.Rowley | wfo--0000662191 |
| <i>Echinopsis jajoiana</i> Hort. ex Blossf. wfo--0001430814 | 107 | 349 | <i>Echinopsis marsoneri</i> Werderm. wfo--0000662192 | 107 |
| <i>Echinopsis jameisiana</i> Salm-Dyck wfo--0001288592 | 414 | 107 | <i>Echinopsis mataranensis</i> Cárdenas wfo--0000662193 | 187 |
| <i>Echinopsis johnsonii</i> (F.Ritter) Molinari & Mayta wfo-- | 0001430815..... | 378 | <i>Echinopsis maximiliana</i> Heyder ex A.Dietr. wfo-- | 0000662194 |
| <i>Echinopsis kellyana</i> Mayta wfo--0001430816..... | 31 | 186 | <i>Echinopsis maximiliana</i> subsp. <i>caespitosa</i> (J.A.Purpus) | M.Lowry wfo--0000662195 |
| <i>Echinopsis kermesiana</i> Y.Itô wfo--0001286627..... | 414 | 186 | <i>Echinopsis maximiliana</i> subsp. <i>westii</i> (Hutchison) M.Lowry | wfo--0001430825 |
| <i>Echinopsis kermesina</i> (Krainz) Krainz wfo--0000662160 | 186 | 186 | <i>Echinopsis maximiliana</i> var. <i>longispina</i> Geiseler wfo-- | 0000738962 |
| <i>Echinopsis kieslingii</i> (Rausch) Anceschi & Magli wfo-- | 0001430817..... | 347 | 185 | <i>Echinopsis maytana</i> Molinari wfo--0001430826 |
| <i>Echinopsis kladiwaiana</i> Rausch wfo--0000662161..... | 182 | 253 | <i>Echinopsis melanacantha</i> A.Dietr. wfo--0000662196... | 108 |
| <i>Echinopsis klimpeliana</i> Weidlich & Werderm. wfo-- | 0000662162..... | 4 | <i>Echinopsis melanopotamica</i> Speg. wfo--0000662197 | 3 |
| <i>Echinopsis klingleriana</i> Cárdenas wfo--0000662163..... | 4 | 108 | <i>Echinopsis melanosteale</i> (Vaupe) Molinari wfo-- | 0001430827 |
| <i>Echinopsis knuthiana</i> (Backeb.) H.Friedrich & G.D.Rowley | wfo--0000662164 | 369 | <i>Echinopsis meyeri</i> Heese wfo--0000662199 | 4 |
| <i>Echinopsis korethroides</i> Werderm. wfo--0000662166 | 347 | 107 | <i>Echinopsis mieckleyi</i> R.Mey. wfo--0000662200 | 107 |
| <i>Echinopsis krahn-juckeri</i> (Diers) M.Lowry wfo-- | 0001430818..... | 185 | <i>Echinopsis mihanovichii</i> Frič & Gürke wfo--0000662201 | ..... |
| <i>Echinopsis kratochviliana</i> Backeb. wfo--0000662167 | 181 | 414 | <i>Echinopsis millarensis</i> Rausch wfo--0001430828..... | 187 |
| <i>Echinopsis kuehnrchii</i> (Frič) H.Friedrich & Glaetzle wfo-- | 0000662168..... | 106 | <i>Echinopsis minuana</i> Speg. wfo--0000662202 | 4 |
| <i>Echinopsis lageniformis</i> (C.F.Först.) H.Friedrich & | G.D.Rowley wfo--0000662170 | 368 | <i>Echinopsis minuscula</i> Rebut ex K.Schum. wfo-- | 0000662203 |
| <i>Echinopsis lamprochlora</i> (Lem.) H.Friedrich & Glaetzle wfo-- | 0000662171..... | 402 | 321 | <i>Echinopsis minutiflora</i> (Rausch) M.Lowry wfo-- |
| <i>Echinopsis lanugispina</i> (F.Ritter) Molinari & Mayta wfo-- | 0001430819..... | 166 | 186 | <i>Echinopsis mirabilis</i> Speg. wfo--0000662204..... |
| <i>Echinopsis lateritia</i> Gürke wfo--0000662172 | 185 | 187 | 187 | <i>Echinopsis misleyi</i> Labour. wfo--0000662205 |
| <i>Echinopsis lecoriensis</i> Cárdenas wfo--0000662173 | 184 | 187 | 187 | <i>Echinopsis mistiensis</i> Werderm. & Backeb. wfo-- |
| <i>Echinopsis leucantha</i> (Gillies ex Salm-Dyck) Walp. wfo-- | 0000662174..... | 3 | 187 | 0000662206 |
| <i>Echinopsis leucantha</i> var. <i>brasiliensis</i> Speg. wfo-- | 0000662175..... | 3 | 3 | <i>Echinopsis molesta</i> Speg. wfo--0000662207..... |
| <i>Echinopsis leucantha</i> var. <i>salpingophora</i> K.Schum. wfo-- | 0000738961..... | 403 | 3 | <i>Echinopsis morawetziana</i> (Backeb.) Molinari wfo-- |
| <i>Echinopsis leucantha</i> var. <i>volliana</i> Backeb. wfo-- | 0000662177..... | 3 | 46 | 0001430830 |
| <i>Echinopsis leucomalla</i> (Wessner) H.Friedrich wfo-- | 0000662178..... | 104 | 403 | <i>Echinopsis muelleri</i> Focke wfo--0001288594 |
| <i>Echinopsis leucorhodantha</i> Backeb. wfo--0000662179 | 181 | 187 | 164 | <i>Echinopsis multiangularis</i> (Willd.) Molinari wfo-- |
| <i>Echinopsis leucotricha</i> (Phil.) Anceschi & Magli wfo-- | 0001430820..... | 276 | 108 | 0001430831 |
| <i>Echinopsis limensis</i> (Salm-Dyck) Molinari wfo-- | 0001430821..... | 164 | 108 | <i>Echinopsis multiplex</i> (Pfeiff.) Zucc. wfo--0001288595 |
| <i>Echinopsis limensis</i> subsp. <i>backebergii</i> (N.Calderón) | Molinari & Mayta wfo--0001430822..... | 163 | 108 | <i>Echinopsis multiplex</i> Pfeiff. & Otto wfo--0000662210 |
| <i>Echinopsis litoralis</i> (Johow) H.Friedrich & G.D.Rowley wfo-- | 0000662180 | 179 | 108 | <i>Echinopsis multiplex</i> var. <i>monstrosa</i> (Pfeiff.) Gürke wfo-- |
| <i>Echinopsis lobivoides</i> Backeb. wfo--0000662181 | 181 | 350 | 108 | 0000662211 |
| | | | 350 | <i>Echinopsis narvaecensis</i> (Cárdenas) H.Friedrich & |
| | | | 43 | G.D.Rowley wfo--0000662212 |
| | | | 403 | <i>Echinopsis nealeana</i> (Backeb.) H.Friedrich wfo-- |
| | | | | 0000662213 |
| | | | | <i>Echinopsis nigerrima</i> Schelle wfo--0001288596 |

| | | | | |
|---|----------------------------------|---|---|--|
| <i>Echinopsis nigra</i> Backeb. wfo--0000662215..... | 184 | <i>Echinopsis pachyclada</i> (Rauh & Backeb.) Molinari wfo-- | 0001430839 | 32 |
| <i>Echinopsis nigricans</i> Linke wfo--0000662216..... | 113 | <i>Echinopsis pampana</i> (Britton & Rose) D.R.Hunt wfo-- | 0000662240 | 187 |
| <i>Echinopsis nigripilis</i> (Phil.) H.Friedrich & G.D.Rowley wfo-- | 0000662217..... | 179 | <i>Echinopsis pamparuzii</i> Cárdenas wfo--0000662241 | 187 |
| <i>Echinopsis nigrispina</i> (Lem.) Walp. wfo--0000662218 .. | 108 | <i>Echinopsis paraguayensis</i> Mundt ex F.Ritter wfo-- | 0000662243 | 108 |
| <i>Echinopsis nodosa</i> Linke wfo--0000662219 | 368 | <i>Echinopsis paraguayensis</i> Mundt wfo--0001288600 | 108 | |
| <i>Echinopsis nothochilensis</i> Anceschi & Magli wfo-- | 0001430832..... | 163 | <i>Echinopsis parviflora</i> (K.Schum.) Anceschi & Magli wfo-- | 0001430840 |
| <i>Echinopsis nothohyalacantha</i> Anceschi & Magli wfo-- | 0001430833..... | 46 | <i>Echinopsis pasacana</i> (F.A.C.Weber ex Rümpler) H.Friedrich | & G.D.Rowley wfo--0000662244 |
| <i>Echinopsis nothostrausii</i> Anceschi & Magli wfo-- | 0001430834..... | 48 | <i>Echinopsis pecheretiana</i> (Backeb.) H.Friedrich & | G.D.Rowley wfo--0000662245 |
| <i>Echinopsis obliqua</i> Cels ex F.A.C.Weber wfo--0001288597 | ..... | 403 | <i>Echinopsis pectinata</i> (Scheidw.) J.H.Fennell wfo-- | 0000662246 |
| <i>Echinopsis obrepanda</i> (Salm-Dyck) K.Schum. wfo-- | 0000662221..... | 186 | <i>Echinopsis pectinata</i> var. <i>laevior</i> Monv. ex C.F.Först. wfo-- | 0000738964 |
| <i>Echinopsis obrepanda</i> subsp. <i>calorubra</i> (Cárdenas) | G.Navarro wfo--0000662224..... | 183 | <i>Echinopsis pectinata</i> var. <i>reichenbachii</i> (Terscheck ex | Walp.) Salm-Dyck wfo--0000662247 |
| <i>Echinopsis obrepanda</i> subsp. <i>obrepanda</i> wfo-- | 0001251990..... | 186 | <i>Echinopsis peculiaris</i> (Rauh & Backeb.) Molinari & Mayta | wfo--0001430841 |
| <i>Echinopsis obrepanda</i> subsp. <i>tapecuana</i> (F.Ritter) | G.Navarro wfo--0000662227..... | 182 | <i>Echinopsis peitscherana</i> (Backeb.) H.Friedrich & | G.D.Rowley wfo--0000662248 |
| <i>Echinopsis obrepanda</i> var. <i>aguilari</i> (R.Vásquez) Rausch | wfo--0000662222..... | 183 | <i>Echinopsis pelecyrhachis</i> Backeb. wfo--0000662249 | 181 |
| <i>Echinopsis obrepanda</i> var. <i>calorubra</i> (Cárdenas) Rausch | wfo--0000662223 | 183 | <i>Echinopsis pelecyrhachis</i> var. <i>lobivoides</i> (Backeb.) | H.Friedrich wfo--0000662250 |
| <i>Echinopsis obrepanda</i> var. <i>fiebrigii</i> (Gürke) H.Friedrich wfo-- | 0000662225 | 187 | <i>Echinopsis pentlandii</i> (Hook.) Salm-Dyck ex A.Dietr. wfo-- | 0000662251 |
| <i>Echinopsis obrepanda</i> var. <i>mizquensis</i> (Rausch) Rausch | wfo--0000662226..... | 187 | <i>Echinopsis pentlandii</i> subsp. <i>hardeniana</i> (Boed.) G.Navarro | wfo--0000662255 |
| <i>Echinopsis obrepandus</i> (Salm-Dyck) K.Schum. wfo-- | 0001430835..... | 186 | <i>Echinopsis pentlandii</i> subsp. <i>larae</i> (Cárdenas) G.Navarro | wfo--0000662256 |
| <i>Echinopsis ochroleuca</i> Miq. wfo--0001288598..... | 188 | <i>Echinopsis pentlandii</i> subsp. <i>pentlandii</i> wfo--0001252057 | ..... | 187 |
| <i>Echinopsis octacantha</i> Muehlenpf. wfo--0000662228.... | 91 | <i>Echinopsis pentlandii</i> var. <i>achatina</i> Fernald wfo-- | 0000738965 | 188 |
| <i>Echinopsis oligotricha</i> (Cárdenas) M.Lowry wfo-- | 0000662229..... | 190 | <i>Echinopsis pentlandii</i> var. <i>albiflora</i> Weidlich wfo-- | 0000662252 |
| <i>Echinopsis omasensis</i> (Ostolaza & Mischler) Ostolaza wfo-- | 0000662230 | 120 | <i>Echinopsis pentlandii</i> var. <i>cavendishii</i> Rümpler wfo-- | 0000738966 |
| <i>Echinopsis oreopepon</i> Werderm. wfo--0001434760..... | 347 | <i>Echinopsis pentlandii</i> var. <i>forbesii</i> (A.Dietr.) Hildm. wfo-- | 0001034393 | 3 |
| <i>Echinopsis oreopogon</i> (Speg.) Werderm. wfo-- | 0000662232..... | 347 | <i>Echinopsis pentlandii</i> var. <i>forbesii</i> (A.Dietr.) Rud.Mey. wfo-- | 0000662254 |
| <i>Echinopsis orozasana</i> F.Ritter wfo--0000662233 | 186 | <i>Echinopsis pentlandii</i> var. <i>gracilispina</i> Lem. wfo-- | 0000738968 | 187 |
| <i>Echinopsis orurensis</i> (Cárdenas) H.Friedrich & G.D.Rowley | wfo--0000662234 | 350 | <i>Echinopsis pentlandii</i> var. <i>integra</i> Rud.Mey. wfo-- | 0000738969 |
| <i>Echinopsis orurensis</i> var. <i>albiflora</i> (Cárdenas) H.Friedrich & | G.D.Rowley wfo--0000662235 | 184 | <i>Echinopsis pentlandii</i> var. <i>laevior</i> Monv. ex Labour. wfo-- | 0000738970 |
| <i>Echinopsis oxygona</i> (Link) Zucc. ex Pfeiff. wfo-- | 0000662236..... | 107 | <i>Echinopsis pentlandii</i> var. <i>longispina</i> Rümpler wfo-- | 0000662257 |
| <i>Echinopsis oxygona</i> f. <i>brasiliensis</i> (Frič ex Pazout) | J.Ullmann wfo--0001430836 | 108 | <i>Echinopsis pentlandii</i> var. <i>maximiliana</i> Heyder wfo-- | 0000662258 |
| <i>Echinopsis oxygona</i> f. <i>brevispina</i> F.Ritter wfo-- | 0000662237..... | 108 | <i>Echinopsis pentlandii</i> var. <i>neuberti</i> Rümpler wfo-- | 0000738971 |
| <i>Echinopsis oxygona</i> f. <i>grandiflora</i> (Rud.Mey.) J.Ullmann | wfo--0000662238..... | 108 | <i>Echinopsis pentlandii</i> var. <i>ochroleuca</i> Rud.Mey. wfo-- | 0000662259 |
| <i>Echinopsis oxygona</i> f. <i>multiplex</i> (Pfeiff.) J.Ullmann wfo-- | 0001430837..... | 108 | <i>Echinopsis pentlandii</i> var. <i>tuberculata</i> (Niedt) Schelle wfo-- | 0000662260 |
| <i>Echinopsis oxygona</i> f. <i>werdermannii</i> (Frič ex Fleisch.) | J.Ullmann wfo--0001430838 | 108 | | |
| <i>Echinopsis oxygona</i> var. <i>turbinata</i> Mittler ex Labour. wfo-- | 0000738963..... | 108 | | |
| <i>Echinopsis pachanoi</i> (Britton & Rose) H.Friedrich & | G.D.Rowley wfo--0000662239 | 369 | | |

| | | | |
|--|-----|---|-----|
| <i>Echinopsis pentlandii</i> var. <i>vitellina</i> Hildm. ex K.Schum. wfo--0000662261 | 188 | <i>Echinopsis rauhii</i> (Backeb.) Mayta wfo--0001430850 ... | 377 |
| <i>Echinopsis perezianis</i> Cárdenas wfo--0000662262 | 106 | <i>Echinopsis rauschii</i> H.Friedrich wfo--0000662290 | 187 |
| <i>Echinopsis peruviana</i> (Britton & Rose) H.Friedrich & G.D.Rowley wfo--0000662263 | 369 | <i>Echinopsis rauschii</i> var. <i>grandiflora</i> (Rausch) H.Friedrich wfo--0001430851 | 183 |
| <i>Echinopsis peruviana</i> subsp. <i>puquiensis</i> (Rauh & Backeb.) Ostolaza wfo--0001430842 | 369 | <i>Echinopsis rauschii</i> var. <i>megalocephala</i> Rausch wfo--0001430852 | 183 |
| <i>Echinopsis philippi</i> (Regel & Schmidt) Nicolson wfo--0001257592 | 16 | <i>Echinopsis rebutioides</i> (Backeb.) H.Friedrich wfo--0000662291 | 106 |
| <i>Echinopsis picta</i> (Lem.) Walp. wfo--0000662265 | 414 | <i>Echinopsis reichenbachiana</i> Pfeiff. ex C.F.Först. wfo--0000662292 | 98 |
| <i>Echinopsis plagiostoma</i> (Vaupel) Molinari & Mayta wfo--0001430843 | 32 | <i>Echinopsis rhodacantha</i> (Salm-Dyck) Salm-Dyck wfo--0000662295 | 79 |
| <i>Echinopsis platinospina</i> (Werderm. & Backeb.) Anceschi & Magli wfo--0001430844 | 166 | <i>Echinopsis rhodacantha</i> (Salm-Dyck) C.F.Först. wfo--0001224365 | 79 |
| <i>Echinopsis pluriflora</i> (Rauh & Backeb.) Mayta wfo--0001430845 | 166 | <i>Echinopsis rhodotricha</i> K.Schum. wfo--0000662296 | 3 |
| <i>Echinopsis poco</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662266 | 350 | <i>Echinopsis rhodotricha</i> subsp. <i>chacoana</i> (Schütz) P.J.Braun & Esteves wfo--0000662300 | 4 |
| <i>Echinopsis poco</i> var. <i>albiflora</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662267 | 350 | <i>Echinopsis rhodotricha</i> var. <i>argentinensis</i> Rud.Mey. wfo--0000662297 | 3 |
| <i>Echinopsis poco</i> var. <i>friciana</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662268 | 350 | <i>Echinopsis rhodotricha</i> var. <i>brevispina</i> F.Ritter wfo--0000662298 | 3 |
| <i>Echinopsis pojoensis</i> Cárdenas wfo--0000662269 | 183 | <i>Echinopsis rhodotricha</i> var. <i>chacoana</i> (Schütz) F.Ritter wfo--0000662299 | 4 |
| <i>Echinopsis polyancistra</i> Backeb. wfo--0000662270 | 181 | <i>Echinopsis rhodotricha</i> var. <i>robusta</i> Rud.Mey. wfo--0000662301 | 3 |
| <i>Echinopsis pomanensis</i> (F.A.C.Weber ex K.Schum.) Anceschi & Magli wfo--0001430846 | 169 | <i>Echinopsis rhodotricha</i> var. <i>roseiflora</i> K.Schum. wfo--0000662302 | 3 |
| <i>Echinopsis potosina</i> Werderm. wfo--0000662272 | 184 | <i>Echinopsis rhodotricha</i> var. <i>spinosior</i> (F.Ritter) F.Ritter wfo--0000662303 | 3 |
| <i>Echinopsis pseudocachensis</i> (Backeb.) H.Friedrich wfo--0000662273 | 43 | <i>Echinopsis ritteri</i> Boed. wfo--0000662304 | 185 |
| <i>Echinopsis pseudocandicans</i> (R.Kiesling) H.Friedrich & Glaetle wfo--0000662275 | 346 | <i>Echinopsis riviere-de-caraltii</i> Cárdenas wfo--0000662306 | 187 |
| <i>Echinopsis pseudomamillosa</i> Cárdenas wfo--0000662276 | 187 | <i>Echinopsis rivierei</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662307 | 178 |
| <i>Echinopsis pseudomelanostele</i> (Werderm. & Backeb.) Anceschi & Magli wfo--0001430847 | 164 | <i>Echinopsis robinsoniana</i> Werderm. wfo--0000662308 | 3 |
| <i>Echinopsis pseudominuscula</i> Speg. wfo--0000662277 | 20 | <i>Echinopsis rojasii</i> Cárdenas wfo--0000662310 | 187 |
| <i>Echinopsis pseudominusculus</i> Speg. wfo--0001288664 | 20 | <i>Echinopsis rojasii</i> subsp. <i>calorubra</i> (Cárdenas) M.Lowry wfo--0001430853 | 183 |
| <i>Echinopsis pudantii</i> Pfersdorf ex Roth wfo--0000662278 | 108 | <i>Echinopsis rojasii</i> var. <i>albiflora</i> Cárdenas wfo--0000662311 | 187 |
| <i>Echinopsis pugionacantha</i> Rose & Boed. wfo--0000662279 | 189 | <i>Echinopsis rommyana</i> Molinari wfo--0001430854 | 253 |
| <i>Echinopsis pugionacantha</i> subsp. <i>haemantha</i> (Rausch) M.Lowry wfo--0000662280 | 190 | <i>Echinopsis roseolilacina</i> Cárdenas wfo--0000662312 | 187 |
| <i>Echinopsis pugionacantha</i> subsp. <i>pugionacantha</i> wfo--0001252061 | 189 | <i>Echinopsis rossii</i> Boed. wfo--0000662313 | 190 |
| <i>Echinopsis pugionacantha</i> subsp. <i>rossii</i> (Boed.) G.Navarro wfo--0001430848 | 190 | <i>Echinopsis rowleyi</i> H.Friedrich wfo--0000662314 | 348 |
| <i>Echinopsis pulchella</i> var. <i>amoena</i> (A.Dietr.) C.F.Först. wfo--0001430849 | 98 | <i>Echinopsis rubescens</i> Backeb. wfo--0000662315 | 107 |
| <i>Echinopsis pulchella</i> Zucc. ex C.F.Först. wfo--0000662281 | 98 | <i>Echinopsis rubinghiana</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662317 | 350 |
| <i>Echinopsis puquiensis</i> (Rauh & Backeb.) H.Friedrich & G.D.Rowley wfo--0000662282 | 369 | <i>Echinopsis salmiana</i> Rud.Mey. wfo--0000662318 | 414 |
| <i>Echinopsis purpureopilosa</i> (Weing.) H.Friedrich & G.D.Rowley wfo--0000662283 | 346 | <i>Echinopsis salmiana</i> var. <i>bridgesii</i> (Salm-Dyck) K.Schum. wfo--0000662319 | 182 |
| <i>Echinopsis pygmaea</i> R.E.Fr. wfo--0000662285 | 24 | <i>Echinopsis salpigophara</i> Lem. ex Salm-Dyck wfo--0000662320 | 414 |
| <i>Echinopsis quadratiumbonata</i> (F.Ritter) D.R.Hunt wfo--0000662286 | 349 | <i>Echinopsis saltensis</i> Speg. wfo--0000662321 | 43 |
| <i>Echinopsis quinesensis</i> (Rausch) H.Friedrich & Glaetle wfo--0000662288 | 103 | <i>Echinopsis saltensis</i> subsp. <i>schreiteri</i> (A.Cast.) M.Lowry wfo--0000662324 | 43 |
| <i>Echinopsis randallii</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662289 | 347 | <i>Echinopsis saltensis</i> var. <i>nealeana</i> (Backeb.) J.G.Lamb. wfo--0000662322 | 43 |
| | | <i>Echinopsis saltensis</i> var. <i>pseudocachensis</i> (Backeb.) J.G.Lamb. wfo--0000662323 | 43 |
| | | <i>Echinopsis samaipatana</i> (Cárdenas) Anceschi & Magli wfo--0001430855 | 47 |
| | | <i>Echinopsis sandiensis</i> Hoxey wfo--0001430856 | 349 |

| | | | |
|---|-----|--|-----|
| <i>Echinopsis sanguiflora</i> (Backeb.) D.R.Hunt wfo--- 0000662325..... | 107 | <i>Echinopsis subg. Setiechinopsis</i> Backeb. wfo---3500004010 | 345 |
| <i>Echinopsis santacruzensis</i> (Backeb.) Anceschi & Magli wfo-- -0001430857 | 45 | <i>Echinopsis subtilispina</i> (F.Ritter) Mayta wfo---0001430863 | 163 |
| <i>Echinopsis santaensis</i> (Rauh & Backeb.) H.Friedrich & G.D.Rowley wfo---0000662326 | 369 | <i>Echinopsis sucrensis</i> Cárdenas wfo---0000662359..... | 107 |
| <i>Echinopsis santiaguensis</i> (Speg.) H.Friedrich & G.D.Rowley wfo---0000662328..... | 349 | <i>Echinopsis tacaquirensis</i> (Vaupel) H.Friedrich & G.D.Rowley wfo---0000662361..... | 370 |
| <i>Echinopsis scheeri</i> Salm-Dyck wfo---0001430858..... | 187 | <i>Echinopsis tacaquirensis</i> subsp. <i>tacaquirensis</i> wfo--- 0001252122 | 370 |
| <i>Echinopsis scheerii</i> Salm-Dyck wfo---0000662329..... | 187 | <i>Echinopsis tacaquirensis</i> subsp. <i>taquimbalensis</i> (Cárdenas) G.Navarro wfo---0000662362 | 370 |
| <i>Echinopsis schelhasii</i> Pfeiff. & Otto wfo---0000662330.. | 108 | <i>Echinopsis tacuarembense</i> Arechav. wfo---0000662363 | 403 |
| <i>Echinopsis schickendantzii</i> F.A.C.Weber wfo---0000662331 | 349 | <i>Echinopsis tapecuana</i> F.Ritter wfo---0000662364 | 182 |
| <i>Echinopsis schieliana</i> (Backeb.) D.R.Hunt wfo-- 0000662332..... | 190 | <i>Echinopsis taquimbalensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo---0000662365 | 370 |
| <i>Echinopsis schoenii</i> (Rauh & Backeb.) H.Friedrich & G.D.Rowley wfo---0000662333 | 370 | <i>Echinopsis taquimbalensis</i> var. <i>wilkeae</i> (Backeb.) H.Friedrich & G.D.Rowley wfo---0000662366..... | 370 |
| <i>Echinopsis schreiteri</i> (A.Cast.) Werderm. ex Backeb. wfo-- 0000662334..... | 43 | <i>Echinopsis taratensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo---0000662367 | 351 |
| <i>Echinopsis schwantesii</i> Frič wfo---0000662335 | 108 | <i>Echinopsis tarijensis</i> (Vaupel) H.Friedrich & G.D.Rowley wfo---0000662368 | 349 |
| <i>Echinopsis scopa</i> Carrière wfo---0000662336 | 298 | <i>Echinopsis tarijensis</i> subsp. <i>bertramiana</i> (Backeb.) M.Lowry wfo---0001430864 | 350 |
| <i>Echinopsis scopa</i> var. <i>candida-cristata</i> Carrière wfo-- 0001430859..... | 298 | <i>Echinopsis tarijensis</i> subsp. <i>herzogiana</i> (Cárdenas) G.Navarro wfo---0000662369 | 350 |
| <i>Echinopsis scoparia</i> Werderm. wfo---0000662337..... | 104 | <i>Echinopsis tarijensis</i> subsp. <i>tarijensis</i> wfo---0001252126 | 349 |
| <i>Echinopsis scopulicola</i> (F.Ritter) Mottram wfo-- 0000662339..... | 182 | <i>Echinopsis tarijensis</i> subsp. <i>totorensis</i> (Cárdenas) G.Navarro wfo---0000662371 | 350 |
| <i>Echinopsis semidenudata</i> Cárdenas ex W.Haage wfo-- 0001251991..... | 414 | <i>Echinopsis tarmaensis</i> (Rauh & Backeb.) H.Friedrich & G.D.Rowley wfo---0000662372..... | 369 |
| <i>Echinopsis serpens</i> (Kunth) Molinari wfo---0001430860.. | 31 | <i>Echinopsis tegeleriana</i> (Backeb.) D.R.Hunt wfo-- 0000662373 | 190 |
| <i>Echinopsis serpentina</i> M.Lowry & M.Mend. wfo-- 0001042507..... | 349 | <i>Echinopsis tenuis</i> (F.Ritter) Molinari wfo---0001430865 | 166 |
| <i>Echinopsis setosa</i> Linke wfo---0000662340 | 414 | <i>Echinopsis tephrocantha</i> Backeb. & F.M.Knuth wfo-- 0000662374 | 414 |
| <i>Echinopsis sextoniana</i> (Backeb.) Mayta wfo---0001430861 | 32 | <i>Echinopsis terscheckii</i> (J.Parm. ex Pfeiff.) H.Friedrich & G.D.Rowley wfo---0000662375 | 180 |
| <i>Echinopsis shaferi</i> Britton & Rose wfo---0000662341 | 3 | <i>Echinopsis terscheckii</i> var. <i>montana</i> (Backeb.) H.Friedrich & G.D.Rowley wfo---0000662376 | 180 |
| <i>Echinopsis silvatica</i> F.Ritter wfo---0000662342..... | 186 | <i>Echinopsis tetraanthus</i> (Labour.) Anceschi & Magli wfo-- 0001430866 | 169 |
| <i>Echinopsis silvestrii</i> Speg. wfo---0000662343 | 109 | <i>Echinopsis thelegona</i> (F.A.C.Weber) H.Friedrich & G.D.Rowley wfo---0000662378..... | 350 |
| <i>Echinopsis simplex</i> Niedt wfo---0000662344..... | 3 | <i>Echinopsis thelegonoides</i> (Speg.) H.Friedrich & G.D.Rowley wfo---0000662379 | 350 |
| <i>Echinopsis skottsbergii</i> (Backeb. ex Skotts.) H.Friedrich & G.D.Rowley wfo---0000662345 | 179 | <i>Echinopsis thionantha</i> (Speg.) D.R.Hunt wfo---0000662380 | 4 |
| <i>Echinopsis skottsbergii</i> var. <i>breviata</i> (Backeb.) H.Friedrich & G.D.Rowley wfo---0000662346..... | 179 | <i>Echinopsis thionantha</i> (Speg.) Werderm. wfo-- 0001255797 | 4 |
| <i>Echinopsis smrziiana</i> Backeb. wfo---0000662347 | 349 | <i>Echinopsis thionantha</i> subsp. <i>ferrarii</i> (Rausch) M.Lowry wfo---0001430867 | 4 |
| <i>Echinopsis spachiana</i> (Lem.) H.Friedrich & G.D.Rowley wfo- --0000662348 | 349 | <i>Echinopsis thionantha</i> subsp. <i>glauca</i> (F.Ritter) M.Lowry wfo---0000662382 | 3 |
| <i>Echinopsis spegazziniana</i> Britton & Rose wfo-- 0000662350..... | 3 | <i>Echinopsis tiegeliana</i> (Wessner) D.R.Hunt wfo-- 0000662383 | 191 |
| <i>Echinopsis spegazzinii</i> K.Schum. ex Speg. wfo-- 0000662351..... | 3 | <i>Echinopsis tominensis</i> (Weing.) Anceschi & Magli wfo-- 0001430868 | 48 |
| <i>Echinopsis sphacelata</i> Gravis wfo---0000662352 | 414 | <i>Echinopsis toralapana</i> Cárdenas wfo---0000662384 | 187 |
| <i>Echinopsis spinibarbis</i> (Hort.Berol. ex Pfeiff.) A.E.Hoffm. wfo---0000662353..... | 399 | <i>Echinopsis torrecillasensis</i> Cárdenas wfo---0000662385 | 182 |
| <i>Echinopsis spiniflora</i> (K.Schum.) A.Berger wfo-- 0000662354..... | 4 | <i>Echinopsis torrefluminensis</i> M.Lowry wfo---0001430869 | 185 |
| <i>Echinopsis stilowiana</i> (Backeb.) J.G.Lamb. wfo-- 0000662355..... | 44 | | |
| <i>Echinopsis stilowiana</i> (Backeb.) M.Lowry wfo-- 0001430862..... | 44 | | |
| <i>Echinopsis stollenwerkiana</i> Boed. wfo---0000662356.... | 189 | | |
| <i>Echinopsis strigosa</i> (Salm-Dyck) H.Friedrich & G.D.Rowley wfo---0000662357..... | 349 | | |
| <i>Echinopsis subdenudata</i> Cárdenas wfo---0000662358.... | 190 | | |

| | | | |
|---|-----|--|----------|
| <i>Echinopsis trichosa</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662387 | 403 | <i>Efossus anfractuusus</i> (Mart. ex Pfeiff.) Orcutt wfo-- 0000663285 | 351 |
| <i>Echinopsis tricolor</i> A.Dietr. wfo--0000662388 | 186 | <i>Efossus arrigens</i> (Link ex A.Dietr.) Orcutt wfo-- 0000663286 | 351 |
| <i>Echinopsis trollii</i> (Kupper) Anceschi & Magli wfo-- 0001430870 | 277 | <i>Efossus confusus</i> (Britton & Rose) Orcutt wfo-- 0000663287 | 353 |
| <i>Echinopsis tuberculata</i> Niedt wfo--0000662389 | 187 | <i>Efossus coptonogonus</i> (Lem.) Orcutt wfo--0000663288351 | |
| <i>Echinopsis tubiflora</i> (Pfeiff.) Zucc. ex A.Dietr. wfo-- 0000662390 | 109 | <i>Efossus crispatus</i> (DC.) Orcutt wfo--0000663289 | 351 |
| <i>Echinopsis tubiflora</i> subsp. <i>callochrysea</i> (F.Ritter) Schlumpb. wfo--0001434678 | 109 | <i>Efossus dichroacanthus</i> (Mart. ex Pfeiff.) Orcutt wfo-- 0000663290 | 352 |
| <i>Echinopsis tubiflora</i> subsp. <i>tubiflora</i> wfo--0001436302109 | | <i>Efossus gladius</i> (Link & Otto) Orcutt wfo--0000663291 | 355 |
| <i>Echinopsis tubiflora</i> var. <i>paraguayensis</i> Rud.Mey. wfo-- 0000662392 | 108 | <i>Efossus grandicornis</i> (Lem.) Orcutt wfo--0000663292.. | 352 |
| <i>Echinopsis tucumanensis</i> Y.Itô wfo--0000662393 | 414 | <i>Efossus hastatus</i> (Hopffer ex K.Schum.) Orcutt wfo-- 0000663293 | 353 |
| <i>Echinopsis tulhuayacensis</i> (Ochoa) H.Friedrich & G.D.Rowley wfo--0000662394 | 369 | <i>Efossus heteracanthus</i> (Muehlenpf.) Orcutt wfo-- 0000663295 | 352 |
| <i>Echinopsis tunariensis</i> (Cárdenas) H.Friedrich & G.D.Rowley wfo--0000662395 | 180 | <i>Efossus lamellosus</i> (A.Dietr.) Orcutt wfo--0000663296 | 353 |
| <i>Echinopsis turbinata</i> Pfeiff. & Otto wfo--0000662396 .. | 108 | <i>Efossus lancifer</i> (A.Dietr.) Orcutt wfo--0000663297 | 353 |
| <i>Echinopsis uebelmanniana</i> (Lembcke & Backeb.) A.E.Hoffm. wfo--0000662397 | 347 | <i>Efossus lloydii</i> (Britton & Rose) Orcutt wfo--0000663298 | 353 |
| <i>Echinopsis urbis-regium</i> Molinari & Mayta wfo-- 0001430871 | 278 | <i>Efossus multicostatus</i> (Hildm. ex K.Schum.) Orcutt wfo-- 0000663299 | 353 |
| <i>Echinopsis uyupampensis</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662399 | 369 | <i>Efossus obvallatus</i> (DC.) Orcutt wfo--0000663300 | 354 |
| <i>Echinopsis valida</i> Monv. ex Salm-Dyck wfo--0000662400 | 403 | <i>Efossus Orcutt</i> wfo--4000013042 | 351 |
| <i>Echinopsis valida</i> var. <i>densa</i> Regel wfo--0000662401 | 88 | <i>Efossus pentacanthus</i> (Lem.) Orcutt wfo--0000663301 | 354 |
| <i>Echinopsis valida</i> var. <i>forbesii</i> Rud.Mey. wfo--0000662404 | 3 | <i>Efossus phyllacanthus</i> (Mart.) Orcutt wfo--0000663302 | 354 |
| <i>Echinopsis vallegrandensis</i> Cárdenas wfo--0000662405 | 183 | <i>Efossus tricuspidatus</i> (Scheidw.) Orcutt wfo--0000663303 | 354 |
| <i>Echinopsis vasquezii</i> (Rausch) G.D.Rowley wfo-- 0000662406 | 350 | <i>Efossus violaciflorus</i> (Quehl) Orcutt wfo--0000663304 | 352 |
| <i>Echinopsis vatteri</i> (R.Kiesling) G.D.Rowley wfo-- 0000662407 | 348 | <i>Efossus wippermannii</i> (Muehlenpf.) Orcutt wfo-- 0000663306 | 355 |
| <i>Echinopsis violacea</i> Werderm. wfo--0000662408 | 4 | <i>Efossus zacatecasensis</i> (Britton & Rose) Orcutt wfo-- 0000663307 | 353 |
| <i>Echinopsis volliana</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662409 | 350 | <i>Emorycactus</i> Doweld wfo--4000013324 | 86 |
| <i>Echinopsis volliana</i> var. <i>rubrispina</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662410 | 350 | <i>Emorycactus parryi</i> (Engelm.) Doweld wfo--0000667202 | 170 |
| <i>Echinopsis vulpes</i> (F.Ritter) Molinari wfo--0001430872 | 165 | <i>Emorycactus polycephalus</i> (Engelm. & J.M.Bigelow) Doweld wfo--0000667203 | 86, 171 |
| <i>Echinopsis walteri</i> (R.Kiesling) H.Friedrich & Glaetzle wfo-- 0000662411 | 351 | <i>Emorycactus xeranthemoides</i> (J.M.Coult.) Doweld wfo-- 0000667204 | 171 |
| <i>Echinopsis weberbaueri</i> (K.Schum. ex Vaupel) Anceschi & Magli wfo--0001430873 | 377 | <i>Encephalocarpus</i> A.Berger wfo--4000013361 | 302 |
| <i>Echinopsis werdermanniana</i> (Backeb.) H.Friedrich & G.D.Rowley wfo--0000662412 | 180 | <i>Encephalocarpus strobiliformis</i> (Werderm.) A.Berger wfo-- 0000667481 | 302 |
| <i>Echinopsis werdermannii</i> Frič ex Fleisch. wfo--0000662413 | 108 | <i>Eomatucana</i> F.Ritter wfo--4000013519 | 238 |
| <i>Echinopsis winteriana</i> (F.Ritter) Molinari & Mayta wfo-- 0001430874 | 378 | <i>Eomatucana madisoniorum</i> (Hutchison) F.Ritter wfo-- 0000668263 | 240 |
| <i>Echinopsis xylorhiza</i> (F.Ritter) Molinari wfo--0001430875 | 33 | <i>Eomatucana oreodoxa</i> F.Ritter wfo--0000668264.238, 240 | |
| <i>Echinopsis yungasensis</i> F.Ritter wfo--0000662416 | 183 | <i>Epiphyllanthus</i> A.Berger wfo--4000013625 | 334 |
| <i>Echinopsis yuquina</i> D.R.Hunt wfo--0000662417 | 190 | <i>Epiphyllanthus candidus</i> (Loefgr.) Britton & Rose wfo-- 0000670136 | 335 |
| <i>Echinopsis</i> Zucc. wfo--4000012949 | 102 | <i>Epiphyllanthus microsphaericus</i> (K.Schum.) Britton & Rose wfo--0000670137 | 334 |
| <i>Echinopsis zuccarinii</i> Pfeiff. & Otto wfo--0000662418 .. | 108 | <i>Epiphyllanthus microsphaericus</i> subsp. <i>candidus</i> (Loefgr.) Doweld wfo--0001430877 | 335 |
| <i>Echinopsis zuccarinii</i> var. <i>rolandii</i> É.Morren wfo-- 0001430876 | 108 | <i>Epiphyllanthus obovatus</i> (Engelm. ex K.Schum.) Britton & Rose wfo--0000670138 | 335 |
| <i>Echinorebutia</i> Frič ex Kreuz. wfo--4000042618 | 321 | <i>Epiphyllanthus obtusangulus</i> (K.Schum.) A.Berger wfo-- 0000670139 | 334, 335 |
| <i>Efossus albatius</i> (A.Dietr.) Orcutt wfo--0000663284 | 355 | <i>Epiphyllanthus opuntoides</i> (Loefgr. & Dusén) Moran wfo-- 0000670140 | 335 |

| | | | |
|---|-----|--|------|
| <i>Epiphyllopsis</i> A. Berger wfo---4000042537..... | 326 | <i>Epiphyllum eichlamii</i> (Weing.) L.O. Williams wfo--- | |
| <i>Epiphyllopsis</i> Backeb. & F.M. Knuth wfo---4000013626 .. | 326 | 0000670176 | 84 |
| <i>Epiphyllopsis gaertneri</i> (Regel) A. Berger ex Backeb. & | | <i>Epiphyllum elegans</i> Cels ex C.F. Först. wfo---0000670177 | |
| F.M. Knuth wfo---0001252054 | 326 | ..... | 335 |
| <i>Epiphyllopsis gaertneri</i> var. <i>serrata</i> (Lindgr.) Backeb. wfo--- | | <i>Epiphyllum floribundum</i> Kimnach wfo---0000670178.... | 403 |
| 0001430878..... | 326 | <i>Epiphyllum gaertneri</i> K. Schum. wfo---0000670179 | 326 |
| <i>Epiphyllopsis gaertneri</i> var. <i>tiburtii</i> Backeb. & Voll wfo--- | | <i>Epiphyllum gaillardae</i> Britton & Rose wfo---0000670180 | |
| 0000670143..... | 326 | ..... | 110 |
| <i>Epiphyllum x buckleyi</i> T. Moore wfo---0000670155..... | 334 | <i>Epiphyllum gigas</i> Woodson & Cutak wfo---0000670181 | 109 |
| <i>Epiphyllum x floribundum</i> Kimnach wfo---0001430879 .. | 392 | <i>Epiphyllum grande</i> (Lem.) Britton & Rose wfo--- | |
| <i>Epiphyllum x jenkinsonii</i> G. Don wfo---0000670191 | 392 | 0000670182 | 110 |
| <i>Epiphyllum x rollissonii</i> T. Moore wfo---0000670228..... | 392 | <i>Epiphyllum grandilobum</i> (F.A.C. Weber) Britton & Rose | |
| <i>Epiphyllum x splendens</i> Anon. wfo---0000670239 | 392 | wfo---0000670183 | 109 |
| <i>Epiphyllum x splendidum</i> Paxton wfo---0000670240 | 392 | <i>Epiphyllum guatemalense</i> Britton & Rose wfo--- | |
| <i>Epiphyllum x vandesii</i> G. Don wfo---0000670254 | 392 | 0000670185 | 110 |
| <i>Epiphyllum ackermannii</i> f. <i>candidum</i> Alexander wfo--- | | <i>Epiphyllum guedneyrii</i> Houillet wfo---0000670186 | 335 |
| 0000670145..... | 83 | <i>Epiphyllum</i> Haw. wfo---4000013627..... | 109 |
| <i>Epiphyllum ackermannii</i> Haw. wfo---0000670144..... | 83 | <i>Epiphyllum hookeri</i> Haw. wfo---0000670187..... | 109 |
| <i>Epiphyllum acuminatum</i> K. Schum. wfo---0000670146 .. | 110 | <i>Epiphyllum hookeri</i> subsp. <i>columbiense</i> (F.A.C. Weber) Ralf | |
| <i>Epiphyllum alatum</i> (Sw.) Haw. wfo---0000670147 | 317 | Bauer wfo---0000670188 | 109 |
| <i>Epiphyllum altensteinii</i> Pfeiff. wfo---0000670148 | 335 | <i>Epiphyllum hookeri</i> subsp. <i>guatemalense</i> (Britton & Rose) | |
| <i>Epiphyllum anguliger</i> (Lem.) G. Don wfo---0000670149 .. | 83 | Ralf Bauer wfo---0000670189 | 110 |
| <i>Epiphyllum baueri</i> Dorsch wfo---0000670150 | 109 | <i>Epiphyllum hookeri</i> subsp. <i>hookeri</i> wfo---0001434761. | 110 |
| <i>Epiphyllum biforme</i> (Lindl.) G. Don wfo---0001430880 | 83 | <i>Epiphyllum hookeri</i> subsp. <i>pittieri</i> (F.A.C. Weber) Ralf Bauer | |
| <i>Epiphyllum biformis</i> (Lindl.) G. Don wfo---0000670152 | 83 | wfo---0000670190 | 110 |
| <i>Epiphyllum bradei</i> (Britton & Rose) Standl. wfo--- | | <i>Epiphyllum latifrons</i> (Zucc. ex Pfeiff.) Pfeiff. wfo--- | |
| 0000670153..... | 378 | 0000670192 | 110 |
| <i>Epiphyllum bridgesii</i> Lem. wfo---0000670154 | 335 | <i>Epiphyllum laui</i> Kimnach wfo---0000670193 | 110 |
| <i>Epiphyllum candidum</i> Barb. Rodr. ex Loefgr. wfo--- | | <i>Epiphyllum lepidocarpum</i> (F.A.C. Weber) Britton & Rose | |
| 0000670156..... | 335 | wfo---0000670194 | 84 |
| <i>Epiphyllum cartagense</i> (F.A.C. Weber) Britton & Rose wfo--- | | <i>Epiphyllum macrocarpum</i> (F.A.C. Weber) Backeb. wfo--- | |
| 0000670157..... | 109 | 0000670196 | 111 |
| <i>Epiphyllum caudatum</i> Britton & Rose wfo---0000670158 | | <i>Epiphyllum macropterum</i> (Lem.) Britton & Rose wfo--- | |
| ..... | 111 | 0000670197 | 403 |
| <i>Epiphyllum caulorhizum</i> (Lem.) G. Don wfo---0000670159 | | <i>Epiphyllum macropterum</i> var. <i>thomsonianum</i> (K. Schum.) | |
| ..... | 83 | Borg wfo---0000738972 | 111 |
| <i>Epiphyllum caulorrhizum</i> (Lem.) G. Don wfo---0001430881 | | <i>Epiphyllum makoyanum</i> W. Watson wfo---0000670198 | 326 |
| ..... | 84 | <i>Epiphyllum nelsonii</i> Britton & Rose wfo---0000670199 .. | 84 |
| <i>Epiphyllum chrysocardium</i> Alexander wfo---0000670160 | | <i>Epiphyllum obovatum</i> Engelm. ex K. Schum. wfo--- | |
| ..... | 109 | 0000670200 | 335 |
| <i>Epiphyllum ciliare</i> Pfeiff. wfo---0000670161 | 173 | <i>Epiphyllum obtusangulum</i> (K. Schum.) Lindl. ex K. Schum. | |
| <i>Epiphyllum ciliatum</i> Pfeiff. wfo---0000670163 | 173 | wfo---0000670201 | 335 |
| <i>Epiphyllum columbiense</i> (F.A.C. Weber) Dodson & | | <i>Epiphyllum opuntoides</i> Loefgr. & Dusén wfo---0000670202 | |
| A.H. Gentry wfo---0000670164 | 109 | ..... | 335 |
| <i>Epiphyllum cooperi</i> (Regel) Clover wfo---0000670165 | 84 | <i>Epiphyllum oxypetalum</i> (DC.) Haw. wfo---0000670203. | 110 |
| <i>Epiphyllum costaricense</i> (F.A.C. Weber) Britton & Rose wfo--- | | <i>Epiphyllum oxypetalum</i> var. <i>purpusii</i> (Weing.) Backeb. wfo--- | |
| --0000670166 | 111 | --0000670204..... | 110 |
| <i>Epiphyllum crenatum</i> (Lindl.) G. Don wfo---0000670167 .. | 83 | <i>Epiphyllum phyllanthoides</i> (DC.) Sweet wfo---0000670205 | |
| <i>Epiphyllum crenatum</i> subsp. <i>crenatum</i> wfo---0001271803 |  | ..... | 84 |
| ..... | 83 | <i>Epiphyllum phyllanthus</i> (L.) Haw. wfo---0000670206 ... | 109, |
| <i>Epiphyllum crenatum</i> subsp. <i>kimnachii</i> (Bravo ex Kimnach) | | 110 | |
| U. Guzmán wfo---0000670169 | 84 | <i>Epiphyllum phyllanthus</i> subsp. <i>guatemalense</i> (Britton & | |
| <i>Epiphyllum crenatum</i> var. <i>crenatum</i> wfo---0001232911. | 83 | Rose) U. Guzmán wfo---0000670210 | 110 |
| <i>Epiphyllum crenatum</i> var. <i>kimnachii</i> Bravo ex Kimnach | | <i>Epiphyllum phyllanthus</i> subsp. <i>hookeri</i> (Haw.) U. Guzmán | |
| wfo---0000670168..... | 84 | wfo---0000670212 | 109 |
| <i>Epiphyllum crenulatum</i> Pfeiff. wfo---0000670170..... | 332 | <i>Epiphyllum phyllanthus</i> subsp. <i>phyllanthus</i> wfo--- | |
| <i>Epiphyllum crispatum</i> Haw. wfo---0000670171 | 329 | 0001434762 | 110 |
| <i>Epiphyllum cruentum</i> Anon. wfo---0000670172..... | 403 | <i>Epiphyllum phyllanthus</i> subsp. <i>rubrocoronatum</i> (Kimnach) | |
| <i>Epiphyllum darrahii</i> (K. Schum.) Britton & Rose wfo--- | | Ralf Bauer wfo---0000670217 | 110 |
| 0000670174..... | 83 | <i>Epiphyllum phyllanthus</i> var. <i>boliviense</i> (F.A.C. Weber) | |
| <i>Epiphyllum delicatum</i> N.E. Br. wfo---0000670175..... | 335 | Backeb. wfo---0000670207 | 110 |

| | |
|--|--|
| <i>Epiphyllum phyllanthus</i> var. <i>columbiense</i> (F.A.C.Weber) Backeb. wfo--0000670208 109 | <i>Epiphyllum thomasianum</i> subsp. <i>thomasianum</i> wfo-- 0001434764 111 |
| <i>Epiphyllum phyllanthus</i> var. <i>guatemalense</i> (Britton & Rose) Kimmach wfo--0000670209 110 | <i>Epiphyllum thomasianum</i> var. <i>costaricense</i> (F.A.C.Weber) Kimmach wfo--0000670246 111 |
| <i>Epiphyllum phyllanthus</i> var. <i>hookeri</i> (Haw.) Kimmach wfo-- 0000670211 109 | <i>Epiphyllum trimetrale</i> Croizat wfo--0000670250 110 |
| <i>Epiphyllum phyllanthus</i> var. <i>paraguayense</i> (F.A.C.Weber) Backeb. wfo--0000670213 110 | <i>Epiphyllum truncatum</i> Haw. wfo--0000670251 335 |
| <i>Epiphyllum phyllanthus</i> var. <i>phyllanthus</i> wfo-- 0001287172 110 | <i>Epiphyllum truncatum</i> var. <i>altensteinii</i> (Pfeiff.) Lem. wfo-- 0001252049 335 |
| <i>Epiphyllum phyllanthus</i> var. <i>pittieri</i> (F.A.C.Weber) Kimmach wfo--0000670214 110 | <i>Epiphyllum truncatum</i> var. <i>bridgesii</i> (Lem.) Rümpler wfo-- 0000670252 335 |
| <i>Epiphyllum phyllanthus</i> var. <i>plattsii</i> Proctor wfo-- 0001430882 110 | <i>Epiphyllum truncatum</i> var. <i>cruentum</i> T.Br. wfo-- 0001430886 335 |
| <i>Epiphyllum phyllanthus</i> var. <i>rubrocoronatum</i> Kimmach wfo-- --0000670216 110 | <i>Epiphyllum truncatum</i> var. <i>magnificum</i> T.Br. wfo-- 0001430887 335 |
| <i>Epiphyllum phyllanthus</i> var. <i>schnetteri</i> Peukert wfo-- 0000670218 110 | <i>Epiphyllum truncatum</i> var. <i>spectabile</i> T.Br. wfo-- 0001430888 335 |
| <i>Epiphyllum pittieri</i> (F.A.C.Weber) Britton & Rose wfo-- 0000670219 110 | <i>Epiphyllum truncatum</i> var. <i>wagneri</i> Rol.-Goss. ex Guillaumin wfo--0000670253 336 |
| <i>Epiphyllum platycarpum</i> Zucc. ex Pfeiff. wfo--0000670220 407 | <i>Epiphyllum violaceum</i> Cels ex C.F.Först. wfo--0000670255 335 |
| <i>Epiphyllum platycarpum</i> Zucc. wfo--0001257522 407 | <i>Epithelantha bokei</i> L.D.Benson wfo--0000670352 111 |
| <i>Epiphyllum polycanthum</i> Barb.Rodr. ex Loefgr. wfo-- 0001434763 335 | <i>Epithelantha cryptica</i> D.Donati & Zanov. wfo-- 0000749298 111 |
| <i>Epiphyllum pumilum</i> Britton & Rose wfo--0000670221 111 | <i>Epithelantha densispina</i> Bravo wfo--0000670353 111 |
| <i>Epiphyllum purpurascens</i> Lem. wfo--0000670222 335 | <i>Epithelantha</i> F.A.C.Weber ex Britton & Rose wfo-- 4000013650 111 |
| <i>Epiphyllum purpusii</i> (Weing.) F.M.Knuth wfo--0000670223 110 | <i>Epithelantha greggii</i> (Engelm.) Orcutt wfo--0000670354 111 |
| <i>Epiphyllum quezaltecum</i> (Standl. & Steyer.) L.O.Williams wfo--0000670224 85 | <i>Epithelantha greggii</i> subsp. <i>polycephala</i> (Backeb.) D.Donati & Zanov. wfo--0001430889 112 |
| <i>Epiphyllum rhombeum</i> Pfeiff. wfo--0001430883 332 | <i>Epithelantha greggii</i> subsp. <i>potosina</i> D.Donati & Zanov. wfo--0001430890 112 |
| <i>Epiphyllum rhombum</i> Pfeiff. wfo--0000670227 332 | <i>Epithelantha ilariae</i> D.Donati & Zanov. wfo--0000748489 111 |
| <i>Epiphyllum rubrocoronatum</i> (Kimmach) Dodson & A.H.Gentry wfo--0000670229 110 | <i>Epithelantha micromeris</i> (Engelm.) F.A.C.Weber ex Britton & Rose wfo--0000670355 111 |
| <i>Epiphyllum ruckeri</i> Paxton wfo--0000670230 335 | <i>Epithelantha micromeris</i> f. <i>elongata</i> (Backeb.) Bravo wfo-- 0000670361 112 |
| <i>Epiphyllum ruckerianum</i> Lem. wfo--0000670231 335 | <i>Epithelantha micromeris</i> subsp. <i>bokei</i> (L.D.Benson) U.Guzmán wfo--0000670357 111 |
| <i>Epiphyllum ruestii</i> (Weing.) F.M.Knuth wfo--0000670232 111 | <i>Epithelantha micromeris</i> subsp. <i>greggii</i> (Engelm.) N.P.Taylor wfo--0000670363 111 |
| <i>Epiphyllum russellianum</i> Hook. wfo--0000670233 335 | <i>Epithelantha micromeris</i> subsp. <i>micromeris</i> wfo-- 0001255762 111 |
| <i>Epiphyllum russellianum</i> var. <i>gaertneri</i> Regel wfo-- 0000670234 326 | <i>Epithelantha micromeris</i> subsp. <i>pachyrhiza</i> (W.T.Marshall) N.P.Taylor wfo--0000670365 112 |
| <i>Epiphyllum russellianum</i> var. <i>rubrum</i> T.Br. wfo-- 0001430884 335 | <i>Epithelantha micromeris</i> subsp. <i>polycephala</i> (Backeb.) Glass wfo--0000670367 112 |
| <i>Epiphyllum russellianum</i> var. <i>superbum</i> T.Br. wfo-- 0001430885 335 | <i>Epithelantha micromeris</i> subsp. <i>unguispina</i> (Boed.) N.P.Taylor wfo--0000670371 112 |
| <i>Epiphyllum salmoneum</i> Cels ex K.Schum. wfo-- 0000670235 335 | <i>Epithelantha micromeris</i> var. <i>bokei</i> (L.D.Benson) Glass & R.A.Foster wfo--0000670356 111 |
| <i>Epiphyllum smithianum</i> Marnock wfo--0000670236 335 | <i>Epithelantha micromeris</i> var. <i>caespitosa</i> Y.Itô wfo-- 0001430891 112 |
| <i>Epiphyllum speciosum</i> (Cav.) Haw. wfo--0000670238 85 | <i>Epithelantha micromeris</i> var. <i>densispina</i> (Bravo) Backeb. wfo--0000670358 111 |
| <i>Epiphyllum stenopetalum</i> (C.F.Först.) Britton & Rose wfo-- 0000670241 110 | <i>Epithelantha micromeris</i> var. <i>elongata</i> Backeb. wfo-- 0000670360 112 |
| <i>Epiphyllum steyermarkii</i> Croizat wfo--0000670242 342 | <i>Epithelantha micromeris</i> var. <i>greggii</i> (Engelm.) Borg wfo-- 0000670362 111 |
| <i>Epiphyllum strictum</i> (Lem.) Britton & Rose wfo-- 0000670243 110 | <i>Epithelantha micromeris</i> var. <i>micromeris</i> wfo-- 0001262063 111 |
| <i>Epiphyllum strictum</i> var. <i>ruestii</i> (Weing.) Borg wfo-- 0000670244 111 | |
| <i>Epiphyllum thomasianum</i> (K.Schum.) Britton & Rose wfo-- 0000670245 111 | |
| <i>Epiphyllum thomasianum</i> subsp. <i>costaricense</i> (F.A.C.Weber) Ralf Bauer wfo--0000670247 111 | |

| | | | |
|--|--------|--|----------|
| <i>Epithelantha micromeris</i> var. <i>pachyrhiza</i> W.T.Marshall wfo--0000670364 | 112 | <i>Eriocactus lenninghausii</i> (F.Haage) Backeb. ex Jul.Schäff. wfo--0000674264 | 288 |
| <i>Epithelantha micromeris</i> var. <i>polycephala</i> (Backeb.) Glass & R.A.Foster wfo--0000670366 | 112 | <i>Eriocactus lenninghausii</i> f. <i>apelii</i> Heinrich wfo-- 0000737357 | 288 |
| <i>Epithelantha micromeris</i> var. <i>rufispina</i> (Bravo) Backeb. wfo--0000670368 | 111 | <i>Eriocactus lenninghausii</i> var. <i>minor</i> F.Ritter wfo-- 0000674265 | 288 |
| <i>Epithelantha micromeris</i> var. <i>typica</i> Croizat wfo-- 0001430892 | 111 | <i>Eriocactus leucocarpus</i> Arechav. wfo--0001262662 | 414 |
| <i>Epithelantha micromeris</i> var. <i>unguispina</i> (Boed.) Backeb. wfo--0000670370 | 112 | <i>Eriocactus magnificus</i> F.Ritter wfo--0000674266 | 289 |
| <i>Epithelantha pachyrhiza</i> (W.T.Marshall) Backeb. wfo-- 0000670372 | 112 | <i>Eriocactus nigrispinus</i> (K.Schum.) F.Ritter wfo-- 0000674267 | 294 |
| <i>Epithelantha pachyrhiza</i> subsp. <i>elongata</i> (Backeb.) D.Donati & Zanov. wfo--0001430893 | 112 | <i>Eriocactus pauciareolatus</i> Arechav. wfo--0001262669 | 414 |
| <i>Epithelantha pachyrhiza</i> subsp. <i>parvula</i> D.Donati & Zanov. wfo--0001430894 | 112 | <i>Eriocactus schumannianus</i> (Nicolai) Backeb. wfo-- 0000674268 | 279, 297 |
| <i>Epithelantha pachyrhiza</i> subsp. <i>pulchra</i> D.Donati & Zanov. wfo--0001430895 | 112 | <i>Eriocactus schumannianus</i> subsp. <i>claviceps</i> (F.Ritter) Doweld wfo--0000674269 | 281 |
| <i>Epithelantha pachyrhiza</i> var. <i>elongata</i> Backeb. wfo-- 0000670373 | 112 | <i>Eriocactus sellowii</i> var. <i>macracanthus</i> Arechav. wfo-- 0001262665 | 414 |
| <i>Epithelantha petri</i> Halda & Horáček wfo--0000670374 | 111 | <i>Eriocactus sellowii</i> var. <i>macrogonus</i> Arechav. wfo-- 0001262667 | 414 |
| <i>Epithelantha polycephala</i> Backeb. wfo--0000670375 | 112 | <i>Eriocactus sellowii</i> var. <i>turbinatus</i> Arechav. wfo-- 0001262673 | 284 |
| <i>Epithelantha potosina</i> (D.Donati & Zanov.) D.Aquino & S.Arias wfo--0001430896 | 112 | <i>Eriocactus warasii</i> F.Ritter wfo--0000674270 | 300 |
| <i>Epithelantha pulchra</i> (D.Donati & Zanov.) D.Aquino & S.Arias wfo--0001430897 | 112 | <i>Erioccephala</i> Backeb. wfo--4000013810 | 279 |
| <i>Epithelantha rufispina</i> Bravo wfo--0000670376 | 111 | <i>Erioccephala claviceps</i> (F.Ritter) Lodé wfo--0001430900281 | 281 |
| <i>Epithelantha spinosior</i> C.Schmoll wfo--0000670377 | 112 | <i>Erioccephala grossei</i> (K.Schum.) Y.Itô wfo--0000674284 | 298 |
| <i>Epithelantha unguispina</i> (Boed.) D.Donati & Zanov. wfo-- 0000748490 | 112 | <i>Erioccephala lenninghausii</i> (F.Haage) Backeb. ex Heinrich wfo--0000674285 | 288 |
| <i>Epithelantha unguispina</i> subsp. <i>huastecana</i> D.Donati & Zanov. wfo--0001430898 | 112 | <i>Erioccephala lenninghausii</i> f. <i>apelii</i> Heinrich wfo-- 0001430901 | 288 |
| <i>Erdisia apiciflora</i> (Vaupel) Werderm. wfo--0000670703 | 60 | <i>Erioccephala lenninghausii</i> subsp. <i>minor</i> (F.Ritter) Guiggi wfo--0001430902 | 288 |
| <i>Erdisia aureispina</i> Backeb. & H.Jacobsen wfo-- 0000670704 | 61 | <i>Erioccephala magnifica</i> (F.Ritter) Guiggi wfo--0001430903 | 289 |
| <i>Erdisia Britton & Rose</i> wfo--4000013681 | 60 | <i>Erioccephala nigrispina</i> (K.Schum.) Lodé wfo--0001430904 | 294 |
| <i>Erdisia erecta</i> Backeb. wfo--0000670705 | 61 | <i>Erioccephala schumanniana</i> (Nicolai) Guiggi wfo-- 0001430905 | 279, 297 |
| <i>Erdisia fortalezensis</i> F.Ritter wfo--0000670706 | 60 | <i>Erioccephala schumanniana</i> (Nicolai) Y.Itô wfo-- 0000674286 | 297 |
| <i>Erdisia maxima</i> Backeb. wfo--0000670707 | 61 | <i>Erioccephala schumanniana</i> subsp. <i>claviceps</i> (F.Ritter) Guiggi wfo--0001430906 | 281 |
| <i>Erdisia melanotricha</i> (K.Schum.) Backeb. wfo-- 0000670708 | 61 | <i>Erioccephala schumanniana</i> subsp. <i>nigrispina</i> (K.Schum.) Guiggi wfo--0001430907 | 294 |
| <i>Erdisia meyenii</i> Britton & Rose wfo--0000670710 | 60 | <i>Erioccephala warasii</i> (F.Ritter) Guiggi wfo--0001430908 | 300 |
| <i>Erdisia philipii</i> (Regel & Schmidt) Britton & Rose wfo-- 0001287239 | 16 | <i>Eriocereus</i> (A.Berger) Riccob. wfo--4000013813 | 167 |
| <i>Erdisia quadrangularis</i> Rauh & Backeb. wfo--0000670711 | 413 | <i>Eriocereus adscendens</i> (Gürke) A.Berger wfo--0000674289 | 167 |
| <i>Erdisia sextoniana</i> Backeb. wfo--0000670712 | 32 | <i>Eriocereus arendtii</i> (Hildmann & Mathsson ex K.Schum.) F.Ritter wfo--0000674290 | 169 |
| <i>Erdisia spiniflora</i> (Phil.) Britton & Rose wfo--0000670713 | 16 | <i>Eriocereus bonplandii</i> (Parm. ex Pfeiff.) Riccob. wfo-- 0000674291 | 168 |
| <i>Erdisia squarrosa</i> (Vaupel) Britton & Rose wfo-- 0000670714 | 60, 61 | <i>Eriocereus cavendishii</i> (Monv.) Riccob. wfo--0000674292 | 316 |
| <i>Erdisia tenuicula</i> Backeb. wfo--0000670715 | 60 | <i>Eriocereus guelichii</i> (Speg.) A.Berger wfo--0000674293 | 168 |
| <i>Erdisia tenuicula</i> Rauh & Backeb. wfo--0001287539 | 60 | <i>Eriocereus jusbertii</i> (Rebut) Riccob. wfo--0000674294 | 169 |
| <i>Eriocactus ampliostatus</i> F.Ritter wfo--0000674259 | 298 | <i>Eriocereus martianus</i> (Zucc.) Riccob. wfo--0000674295 | 9 |
| <i>Eriocactus</i> Backeb. wfo--4000013801 | 279 | <i>Eriocereus martini</i> var. <i>regelii</i> (Weing.) W.T.Marshall wfo-- 0000674297 | 169 |
| <i>Eriocactus claviceps</i> F.Ritter wfo--0000674260 | 281 | <i>Eriocereus martinii</i> (Labour.) Riccob. wfo--0000674296 | 169 |
| <i>Eriocactus courantii</i> Lem. wfo--0001262656 | 423 | <i>Eriocereus martinii</i> var. <i>regelii</i> (Weing.) W.T.Marshall wfo-- -0001430909 | 169 |
| <i>Eriocactus fricii</i> Arechav. wfo--0001262658 | 284 | | |
| <i>Eriocactus grossei</i> (K.Schum.) Backeb. ex Jul.Schäff. wfo-- 0000674261 | 298 | | |
| <i>Eriocactus grossei</i> var. <i>aureispinus</i> F.Ritter wfo-- 0001430899 | 298 | | |

| | | | |
|--|----------|--|-----|
| <i>Eriocereus perviridis</i> (Weing.) Backeb. wfo--0000674299 | 169 | <i>Eriosyce ceratistes</i> var. <i>vallenarensis</i> Backeb. wfo-- 0000676035 | 114 |
| <i>Eriocereus platygonus</i> (Otto) Riccob. wfo--0000674300 | 168 | <i>Eriosyce ceratistes</i> var. <i>zorillaensis</i> Backeb. wfo-- 0000676036 | 114 |
| <i>Eriocereus polyacanthus</i> F.Ritter wfo--0000674301 | 414 | <i>Eriosyce chilensis</i> (Hildm. ex K.Schum.) Katt. wfo-- 0000676037 | 114 |
| <i>Eriocereus polycanthus</i> F.Ritter wfo--0001430910 | 169 | <i>Eriosyce chilensis</i> var. <i>albidiflora</i> (F.Ritter) Katt. wfo-- 0000676038 | 114 |
| <i>Eriocereus pomanensis</i> (K.Schum.) A.Berger wfo-- 0000674302..... | 169 | <i>Eriosyce clavata</i> (Söhrens ex K.Schum.) Helmut Walter wfo--0000743828 | 115 |
| <i>Eriocereus pomanensis</i> var. <i>uruguayensis</i> (Osten) Backeb. wfo--0000674303 | 169 | <i>Eriosyce clavata</i> subsp. <i>nigrihorrida</i> (Backeb. ex A.W.Hill) Helmut Walter wfo--0001430916..... | 126 |
| <i>Eriocereus regelii</i> (Weing.) Backeb. wfo--0000674304.. | 169 | <i>Eriosyce coimasensis</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430917..... | 115 |
| <i>Eriocereus spinosissimus</i> Buining & Brederoo wfo-- 0000674305..... | 14 | <i>Eriosyce confinis</i> (F.Ritter) Katt. wfo--0000676039..... | 120 |
| <i>Eriocereus subrepandus</i> (Haw.) Riccob. wfo--0000674306 | 399 | <i>Eriosyce crispa</i> (F.Ritter) Katt. wfo--0000676040 | 115 |
| <i>Eriocereus tarijensis</i> F.Ritter wfo--0000674307 | 169 | <i>Eriosyce crispa</i> subsp. <i>atroviridis</i> (F.Ritter) Katt. wfo-- 0000676041 | 113 |
| <i>Eriocereus tephraanthus</i> (Link & Otto ex Steud.) Riccob. wfo--0000674308..... | 283 | <i>Eriosyce crispa</i> subsp. <i>crispa</i> wfo--0001434765..... | 115 |
| <i>Eriocereus tephraanthus</i> var. <i>boliviensis</i> (F.A.C.Weber ex K.Schum.) W.T.Marshall & T.M.Bock wfo--0000738973 | 369 | <i>Eriosyce crispa</i> subsp. <i>totalensis</i> (F.Ritter) Katt. wfo-- 0000676047 | 115 |
| <i>Eriocereus tetraanthus</i> (Labour.) Riccob. wfo-- 0001245584..... | 169 | <i>Eriosyce crispa</i> var. <i>atroviridis</i> (F.Ritter) Katt. wfo-- 0000676042 | 113 |
| <i>Eriocereus tetraanthus</i> var. <i>bolivianus</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo--0001430911..... | 169 | <i>Eriosyce crispa</i> var. <i>carrizalensis</i> (F.Ritter) Katt. wfo-- 0000676043 | 118 |
| <i>Eriocereus tortuosus</i> (J.Forbes) Riccob. wfo--0000674310 | 167, 169 | <i>Eriosyce crispa</i> var. <i>huascensis</i> (F.Ritter) Katt. wfo-- 0000676044 | 117 |
| <i>Eriosyce aerocarpa</i> (F.Ritter) Katt. wfo--0000676018 | 113 | <i>Eriosyce crispa</i> var. <i>ttotalensis</i> (F.Ritter) Katt. wfo-- 0000676046 | 115 |
| <i>Eriosyce algarobensis</i> F.Ritter wfo--0000676019..... | 114 | <i>Eriosyce curvispina</i> (Bertero ex Colla) Katt. wfo-- 0000676048 | 115 |
| <i>Eriosyce andreaeana</i> Katt. wfo--0000676020 | 125 | <i>Eriosyce curvispina</i> subsp. <i>armata</i> (F.Ritter) Katt. wfo-- 0000676051 | 113 |
| <i>Eriosyce armata</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430912..... | 113 | <i>Eriosyce curvispina</i> subsp. <i>curvispina</i> wfo--0001434766 | 117 |
| <i>Eriosyce aspillagae</i> (Söhrens) Katt. wfo--0000676021 .. | 113 | <i>Eriosyce curvispina</i> subsp. <i>marksiana</i> (F.Ritter) Ferryman wfo--0000676055 | 121 |
| <i>Eriosyce aspillagae</i> subsp. <i>maechleri</i> A.E.Hoffm. & H.E.Walter wfo--0001430913..... | 113 | <i>Eriosyce curvispina</i> subsp. <i>tuberisulcata</i> (Jacobi) Katt. wfo-- -0001430918 | 117 |
| <i>Eriosyce aspillagae</i> subsp. <i>maechlerorum</i> Helmut Walter wfo--0000676022 | 113 | <i>Eriosyce curvispina</i> var. <i>aconcaguensis</i> (F.Ritter) Katt. wfo-- -0000676049 | 116 |
| <i>Eriosyce atroviridis</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430914 | 113 | <i>Eriosyce curvispina</i> var. <i>armata</i> (F.Ritter) Katt. wfo-- 0000676050 | 113 |
| <i>Eriosyce aurata</i> (Pfeiff.) Backeb. wfo--0000676024 | 113 | <i>Eriosyce curvispina</i> var. <i>choapensis</i> (F.Ritter) Katt. wfo-- 0000676052 | 116 |
| <i>Eriosyce aurata</i> var. <i>aurata</i> wfo--0001289925..... | 113 | <i>Eriosyce curvispina</i> var. <i>curvispina</i> wfo--0001434767 .. | 117 |
| <i>Eriosyce aurata</i> var. <i>spinibarbis</i> (F.Ritter) Katt. wfo-- 0000676025..... | 114 | <i>Eriosyce curvispina</i> var. <i>limariensis</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676053..... | 120 |
| <i>Eriosyce bruchii</i> (Britton & Rose) Backeb. wfo-- 0000676026..... | 345 | <i>Eriosyce curvispina</i> var. <i>lissocarpa</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676054..... | 121 |
| <i>Eriosyce bulbocalyx</i> (Werderm.) Katt. wfo--0000676027 | 114 | <i>Eriosyce curvispina</i> var. <i>mutabilis</i> (F.Ritter) Katt. wfo-- 0000676057 | 117 |
| <i>Eriosyce calderana</i> (F.Ritter) Ferryman wfo--0000676028 | 114 | <i>Eriosyce curvispina</i> var. <i>robusta</i> (F.Ritter) Katt. wfo-- 0000676058 | 116 |
| <i>Eriosyce caligophila</i> R.Pinto wfo--0000507247 | 114 | <i>Eriosyce curvispina</i> var. <i>tuberisulcata</i> (Jacobi) Katt. wfo-- 0000676059 | 117 |
| <i>Eriosyce castanea</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430915 | 114 | <i>Eriosyce duripulpa</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430919 | 117 |
| <i>Eriosyce ceratistes</i> (Otto ex Pfeiff.) Britton & Rose wfo-- 0000676029..... | 113 | <i>Eriosyce elquiensis</i> (Katt.) P.C.Guerrero & Helmut Walter wfo--0001430920 | 117 |
| <i>Eriosyce ceratistes</i> var. <i>combarbalensis</i> Backeb. wfo-- 0000676030..... | 113 | <i>Eriosyce engleri</i> (F.Ritter) Katt. wfo--0000676060 | 117 |
| <i>Eriosyce ceratistes</i> var. <i>coquimbensis</i> Backeb. wfo-- 0000676031..... | 114 | | |
| <i>Eriosyce ceratistes</i> var. <i>jorgensis</i> Backeb. wfo-- 0000676032..... | 114 | | |
| <i>Eriosyce ceratistes</i> var. <i>mollesensis</i> Backeb. wfo-- 0000676033..... | 114 | | |

| | | | |
|--|----------|---|-----|
| <i>Eriosyce eriosyzoides</i> (F.Ritter) Ferryman wfo-- 0000676061..... | 117 | <i>Eriosyce meglolii</i> (Rausch) Ferryman wfo--0000676089 | 121 |
| <i>Eriosyce eriosyzoides</i> subsp. <i>atroviridis</i> (F.Ritter) Ferryman wfo--0001430921..... | 113 | <i>Eriosyce multicolorispina</i> Janeba & Slaba wfo-- 0000676090..... | 125 |
| <i>Eriosyce eriosyzoides</i> subsp. <i>eriosyzoides</i> wfo-- 0001434768..... | 117 | <i>Eriosyce napina</i> (Phil.) Katt. wfo--0000676091..... | 121 |
| <i>Eriosyce eriosyzoides</i> var. <i>carrizalensis</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676062..... | 118 | <i>Eriosyce napina</i> subsp. <i>aerocarpa</i> (F.Ritter) Ferryman wfo-- -0000676092..... | 113 |
| <i>Eriosyce eriosyzoides</i> var. <i>huascensis</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676063..... | 117 | <i>Eriosyce napina</i> subsp. <i>challensis</i> I.Schaub & Keim wfo-- 0001430929..... | 117 |
| <i>Eriosyce eriosyzoides</i> var. <i>titoralensis</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676064..... | 115 | <i>Eriosyce napina</i> subsp. <i>duripulpa</i> (F.Ritter) Katt. wfo-- 0000676094..... | 117 |
| <i>Eriosyce eriosyzoides</i> var. <i>transitensis</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676066..... | 118 | <i>Eriosyce napina</i> subsp. <i>fankhauseri</i> (F.Ritter) Mächler & Helmut Walter wfo--0000507250..... | 118 |
| <i>Eriosyce esmeraldana</i> (F.Ritter) Katt. wfo--0000676067 | 118 | <i>Eriosyce napina</i> subsp. <i>glabrescens</i> (F.Ritter) Ferryman wfo--0000676097..... | 118 |
| <i>Eriosyce fankhauseri</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430922..... | 118 | <i>Eriosyce napina</i> subsp. <i>lembckeii</i> Katt. wfo--0000676099 | 122 |
| <i>Eriosyce fulva</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430923..... | 118 | <i>Eriosyce napina</i> subsp. <i>llanensis</i> Schaub & Keim wfo-- 0001430930..... | 118 |
| <i>Eriosyce garaventa</i> (F.Ritter) Katt. wfo--0000676068..... | 118 | <i>Eriosyce napina</i> subsp. <i>napina</i> wfo--0001434771..... | 122 |
| <i>Eriosyce glabrescens</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430924..... | 118 | <i>Eriosyce napina</i> subsp. <i>pajonalensis</i> I.Schaub & Keim wfo-- 0001430931..... | 122 |
| <i>Eriosyce heinrichiana</i> (Backeb.) Katt. wfo--0000676069..... | 118 | <i>Eriosyce napina</i> subsp. <i>riparia</i> Mächler & Helmut Walter wfo--0000507251..... | 124 |
| <i>Eriosyce heinrichiana</i> subsp. <i>intermedia</i> (F.Ritter) Katt. wfo--0000676070..... | 125 | <i>Eriosyce napina</i> subsp. <i>tenebrica</i> (F.Ritter) Ferryman wfo-- 0000676100..... | 127 |
| <i>Eriosyce heinrichiana</i> subsp. <i>simulans</i> (F.Ritter) Katt. wfo-- 0001430925..... | 124 | <i>Eriosyce napina</i> var. <i>duripulpa</i> (F.Ritter) Katt. wfo-- 0000676093..... | 117 |
| <i>Eriosyce heinrichiana</i> var. <i>intermedia</i> (F.Ritter) Katt. wfo-- 0000676071..... | 125 | <i>Eriosyce napina</i> var. <i>fankhauseri</i> (F.Ritter) Romulski wfo-- 0000743829..... | 118 |
| <i>Eriosyce heinrichiana</i> var. <i>setosiflora</i> (F.Ritter) Katt. wfo-- 0000676072..... | 125 | <i>Eriosyce napina</i> var. <i>glabrescens</i> (F.Ritter) Romulski wfo-- 0000743830..... | 118 |
| <i>Eriosyce ihotzkyanae</i> F.Ritter wfo--0000676073..... | 114 | <i>Eriosyce napina</i> var. <i>lembckeii</i> Katt. wfo--0000676098..... | 122 |
| <i>Eriosyce iquiquensis</i> (F.Ritter) Ferryman wfo--0000676074 | 119 | <i>Eriosyce napina</i> var. <i>riparia</i> (Mächler & Helmut Walter) Romulski wfo--0000743831..... | 124 |
| <i>Eriosyce islayensis</i> (C.F.Först.) Katt. wfo--0000676076..... | 119 | <i>Eriosyce napina</i> var. <i>tenebrica</i> (F.Ritter) Romulski wfo-- 0000743834..... | 127 |
| <i>Eriosyce islayensis</i> subsp. <i>grandis</i> (Rauh & Backeb.) G.J.Charles wfo--0001430926..... | 120 | <i>Eriosyce nigrihorrida</i> (Backeb. ex A.W.Hill) P.C.Guerrero & Helmut Walter wfo--0001430932..... | 122 |
| <i>Eriosyce islayensis</i> subsp. <i>islayensis</i> wfo--0001434769..... | 120 | <i>Eriosyce occulta</i> Katt. wfo--0000676101..... | 122 |
| <i>Eriosyce islayensis</i> subsp. <i>omasensis</i> (Ostolaza & Mischler) G.J.Charles wfo--0000507249..... | 120 | <i>Eriosyce odieri</i> (Lem. ex Salm-Dyck) Katt. wfo-- 0000676102..... | 122 |
| <i>Eriosyce korethroides</i> (Werderm.) Backeb. wfo-- 0000676077..... | 347 | <i>Eriosyce odieri</i> subsp. <i>fulva</i> (F.Ritter) Katt. wfo-- 0000676103..... | 118 |
| <i>Eriosyce krausii</i> (F.Ritter) Katt. wfo--0000676078..... | 120 | <i>Eriosyce odieri</i> subsp. <i>glabrescens</i> (F.Ritter) Katt. wfo-- 0000676104..... | 118 |
| <i>Eriosyce kunzei</i> (C.F.Först.) Katt. wfo--0000676079..... | 120 | <i>Eriosyce odieri</i> subsp. <i>krausii</i> (F.Ritter) Ferryman wfo-- 0000676105..... | 120 |
| <i>Eriosyce kunzei</i> var. <i>transitensis</i> (F.Ritter) Katt. wfo-- 0000676080..... | 118 | <i>Eriosyce odieri</i> subsp. <i>malleolata</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000676106..... | 121 |
| <i>Eriosyce lapampaensis</i> F.Ritter wfo--0000676081..... | 114 | <i>Eriosyce odieri</i> var. <i>malleolata</i> (F.Ritter) A.E.Hoffm. & Helmut Walter wfo--0000507252..... | 121 |
| <i>Eriosyce laui</i> Lüthy wfo--0000676082..... | 112, 333 | <i>Eriosyce odieri</i> var. <i>monte-amargensis</i> Katt. wfo-- 0000676108..... | 122 |
| <i>Eriosyce limariensis</i> (F.Ritter) Katt. wfo--0000676083..... | 120 | <i>Eriosyce odieri</i> var. <i>weisseri</i> A.E.Hoffm. & Helmut Walter wfo--0000676109..... | 121 |
| <i>Eriosyce litoralis</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430927..... | 120 | <i>Eriosyce omasensis</i> (Ostolaza & Mischler) Ostolaza wfo-- 0001255799..... | 120 |
| <i>Eriosyce malleolata</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430928..... | 121 | <i>Eriosyce paucicostata</i> (F.Ritter) Ferryman wfo-- 0000676110..... | 122 |
| <i>Eriosyce marksiana</i> (F.Ritter) Katt. wfo--0000676084..... | 121 | <i>Eriosyce paucicostata</i> subsp. <i>echinus</i> (F.Ritter) Ferryman wfo--0000676111..... | 123 |
| <i>Eriosyce marksiana</i> var. <i>gracilis</i> (F.Ritter) Katt. wfo-- 0000676086..... | 121 | | |
| <i>Eriosyce marksiana</i> var. <i>lissocarpa</i> (F.Ritter) Katt. wfo-- 0000676087..... | 121 | | |
| <i>Eriosyce marksiana</i> var. <i>marksiana</i> wfo--0001434770..... | 121 | | |
| <i>Eriosyce megacarpa</i> F.Ritter wfo--0000676088..... | 124 | | |

| | | | |
|---|----------|--|----------|
| <i>Eriosyce paucicostata</i> subsp. <i>floccosa</i> (F.Ritter) Ferryman wfo--0000676112..... | 123 | <i>Eriosyce subgibbosa</i> var. <i>nigrihorrida</i> (Backeb. ex A.W.Hill) Katt. wfo--0000676137..... | 122 |
| <i>Eriosyce paucicostata</i> subsp. <i>paucicostata</i> wfo-- 0001434772..... | 123 | <i>Eriosyce subgibbosa</i> var. <i>vallenarensis</i> (F.Ritter) Katt. wfo-- -0000676139..... | 127 |
| <i>Eriosyce</i> Phil. wfo--4000013892..... | 112 | <i>Eriosyce subgibbosa</i> var. <i>wagenknechtii</i> (F.Ritter) Katt. wfo--0000676141..... | 128 |
| <i>Eriosyce pygmaea</i> (F.Ritter) Ferryman wfo--0000676113 | 127 | <i>Eriosyce taltalensis</i> (Hutchison) Katt. wfo--0000676143 | 127 |
| <i>Eriosyce pygmaea</i> subsp. <i>calderana</i> (F.Ritter) Ferryman wfo--0000676114..... | 114 | <i>Eriosyce taltalensis</i> subsp. <i>echinus</i> (F.Ritter) Katt. wfo-- 0000676144..... | 123 |
| <i>Eriosyce recondita</i> (F.Ritter) Katt. wfo--0000676115..... | 123 | <i>Eriosyce taltalensis</i> subsp. <i>paucicostata</i> (F.Ritter) Katt. wfo--0000676148..... | 122 |
| <i>Eriosyce recondita</i> subsp. <i>iquiquensis</i> (F.Ritter) Katt. wfo-- 0001430933..... | 119 | <i>Eriosyce taltalensis</i> subsp. <i>pilispina</i> (F.Ritter) Katt. wfo-- 0001430939..... | 114 |
| <i>Eriosyce riparia</i> (Mächler & Helmut Walter) P.C.Guerrero & Helmut Walter wfo--0001430934..... | 124 | <i>Eriosyce taltalensis</i> subsp. <i>pygmaea</i> (F.Ritter) Ferryman wfo--0000676150..... | 127 |
| <i>Eriosyce rodentiophila</i> F.Ritter wfo--0000676116..... | 124 | <i>Eriosyce taltalensis</i> subsp. <i>taltalensis</i> wfo--0001434775 | 127 |
| <i>Eriosyce rodentiophila</i> var. <i>lanata</i> F.Ritter wfo-- 0000676118..... | 124 | <i>Eriosyce taltalensis</i> var. <i>echinus</i> (F.Ritter) Katt. wfo-- 0000676145..... | 123 |
| <i>Eriosyce sandillon</i> (Gay) Phil. wfo--0000676119..... | 112, 113 | <i>Eriosyce taltalensis</i> var. <i>floccosa</i> (F.Ritter) Katt. wfo-- 0000676146..... | 123 |
| <i>Eriosyce sandillon</i> var. <i>algarrobensis</i> (F.Ritter) A.E.Hoffm. wfo--0000676120..... | 114 | <i>Eriosyce taltalensis</i> var. <i>pygmaea</i> (F.Ritter) Katt. wfo-- 0000676149..... | 127 |
| <i>Eriosyce sandillon</i> var. <i>mollesensis</i> (Backeb.) A.E.Hoffm. wfo--0000676121..... | 114 | <i>Eriosyce tenebrica</i> (F.Ritter) Katt. wfo--0000676151..... | 127 |
| <i>Eriosyce sandillon</i> var. <i>vallenarensis</i> (Backeb.) A.E.Hoffm. wfo--0000676122..... | 114 | <i>Eriosyce umadeave</i> (Frič ex Werderm.) Katt. wfo-- 0000676152..... | 127 |
| <i>Eriosyce senilis</i> (Backeb.) Katt. wfo--0000676123..... | 124 | <i>Eriosyce vallenarensis</i> (F.Ritter) Katt. wfo--0001430940 | 127 |
| <i>Eriosyce senilis</i> subsp. <i>coimasensis</i> (F.Ritter) Katt. wfo-- 0001430935..... | 115 | <i>Eriosyce vertongenii</i> (J.G.Lamb.) D.R.Hunt wfo-- 0000676153..... | 128 |
| <i>Eriosyce senilis</i> subsp. <i>elquiensis</i> Katt. wfo--0001430936 | 117 | <i>Eriosyce villicumensis</i> (Rausch) Katt. wfo--0000676154..... | 128 |
| <i>Eriosyce senilis</i> subsp. <i>senilis</i> wfo--0001434773..... | 124 | <i>Eriosyce villosa</i> (Monv.) Katt. wfo--0000676155..... | 128 |
| <i>Eriosyce setosiflora</i> (F.Ritter) Katt. wfo--0001255415..... | 124 | <i>Eriosyce wagenknechtii</i> (F.Ritter) Katt. wfo--0001255431 | 128 |
| <i>Eriosyce simulans</i> (F.Ritter) Katt. wfo--0000676124..... | 124 | <i>Erythrocerus</i> Houghton wfo--4000042728..... | 167 |
| <i>Eriosyce sociabilis</i> (F.Ritter) Katt. wfo--0000676125..... | 124 | <i>Erythrorhipsalis</i> A.Berger wfo--4000014005..... | 327 |
| <i>Eriosyce spectabilis</i> Katt., Helmut Walter & J.C.Acosta wfo- -0000750370..... | 124 | <i>Erythrorhipsalis burchellii</i> (Britton & Rose) Volgin wfo-- 0000679624..... | 328 |
| <i>Eriosyce spinibarbis</i> F.Ritter wfo--0000676127..... | 114 | <i>Erythrorhipsalis campos-portoana</i> (Loefgr.) Volgin wfo-- 0000679625..... | 328 |
| <i>Eriosyce spinosior</i> (F.Ritter) P.C.Guerrero & Helmut Walter wfo--0001430937..... | 124 | <i>Erythrorhipsalis cereuscula</i> (Haw.) Volgin wfo-- 0000679627..... | 328 |
| <i>Eriosyce strausiana</i> (K.Schum.) Katt. wfo--0000676128..... | 125 | <i>Erythrorhipsalis clavata</i> (F.A.C.Weber) Doweld wfo-- 0000679628..... | 329 |
| <i>Eriosyce strausiana</i> subsp. <i>bisii</i> Halda, Kupčák & Sladk. wfo--0001430938..... | 125 | <i>Erythrorhipsalis clavata</i> subsp. <i>delicatula</i> (Loefgr.) Doweld wfo--0001430941..... | 329 |
| <i>Eriosyce strausiana</i> subsp. <i>pachacoensis</i> (Rausch) Ferryman wfo--0000676130..... | 125 | <i>Erythrorhipsalis cribrata</i> (Lem.) Volgin wfo--0000679629 | 328 |
| <i>Eriosyce strausiana</i> subsp. <i>strausiana</i> wfo--0001434774 | 125 | <i>Erythrorhipsalis juengeri</i> (Barthlott & N.P.Taylor) Doweld wfo--0000679630..... | 330 |
| <i>Eriosyce strausiana</i> var. <i>pachacoensis</i> (Rausch) Katt. wfo-- 0000676129..... | 125 | <i>Erythrorhipsalis ormindoi</i> (N.P.Taylor & Zappi) Doweld wfo--0000679631..... | 331 |
| <i>Eriosyce subgibbosa</i> (Haw.) Katt. wfo--0000676131..... | 125 | <i>Erythrorhipsalis pilocarpa</i> (Loefgr.) A.Berger wfo-- 0000679632..... | 327, 332 |
| <i>Eriosyce subgibbosa</i> subsp. <i>clavata</i> (Söhrens ex K.Schum.) Katt. wfo--0000676133..... | 115 | <i>Erythrorhipsalis pulchra</i> (Loefgr.) Doweld wfo-- 0000679633..... | 332 |
| <i>Eriosyce subgibbosa</i> subsp. <i>nigrihorrida</i> (Backeb. ex A.W.Hill) Katt. wfo--0000676138..... | 122 | <i>Escobaria abdita</i> Řepka & Vaško wfo--0001430942..... | 128 |
| <i>Eriosyce subgibbosa</i> subsp. <i>vallenarensis</i> (F.Ritter) Katt. wfo--0000676140..... | 127 | <i>Escobaria abdita</i> subsp. <i>tenuispina</i> Perez Badillo, Delladdio & Raya Sanchez wfo--0001430943..... | 128 |
| <i>Eriosyce subgibbosa</i> subsp. <i>wagenknechtii</i> Katt. wfo-- 0000676142..... | 128 | <i>Escobaria aggregata</i> (Engelm.) Buxb. wfo--0000680605 | 132 |
| <i>Eriosyce subgibbosa</i> var. <i>castanea</i> (F.Ritter) Katt. wfo-- 0000676132..... | 114 | | |
| <i>Eriosyce subgibbosa</i> var. <i>clavata</i> (Söhrens ex K.Schum.) Katt. wfo--0000676134..... | 115 | | |
| <i>Eriosyce subgibbosa</i> var. <i>litoralis</i> (F.Ritter) Katt. wfo-- 0000676135..... | 120 | | |

| | | | |
|---|-----|---|-----|
| <i>Escobaria aguirreana</i> (Glass & R.A.Foster) N.P.Taylor wfo--0000680606 | 6 | <i>Escobaria missouriensis</i> subsp. <i>asperispina</i> (Boed.) N.P.Taylor wfo--0000680643 | 131 |
| <i>Escobaria albicolumnaria</i> Hester wfo--0000680607 | 131 | <i>Escobaria missouriensis</i> subsp. <i>missouriensis</i> wfo--0001434778 | 131 |
| <i>Escobaria alversonii</i> (J.M.Coult.) N.P.Taylor wfo--0000680608 | 128 | <i>Escobaria missouriensis</i> subsp. <i>navajaensis</i> Hochstätter wfo--0000680647 | 131 |
| <i>Escobaria arizonica</i> (Engelm.) Buxb. wfo--0000680609 | 132 | <i>Escobaria missouriensis</i> var. <i>asperispina</i> (Boed.) N.P.Taylor wfo--0000680642 | 131 |
| <i>Escobaria asperispina</i> (Boed.) D.R.Hunt wfo--0000680610 | 131 | <i>Escobaria missouriensis</i> var. <i>caespitosa</i> (Engelm.) D.R.Hunt wfo--0000680644 | 130 |
| <i>Escobaria bella</i> Britton & Rose wfo--0000680611 | 129 | <i>Escobaria missouriensis</i> var. <i>marstonii</i> (Clover) D.R.Hunt wfo--0000680646 | 130 |
| <i>Escobaria bisbeeana</i> (Orcutt) Borg wfo--0000680613 | 133 | <i>Escobaria missouriensis</i> var. <i>robustior</i> (Engelm.) D.R.Hunt wfo--0000680648 | 130 |
| <i>Escobaria boregui</i> Schmoll ex Shurly wfo--0000680614414 | 128 | <i>Escobaria missouriensis</i> var. <i>similis</i> (Engelm.) N.P.Taylor wfo--0000680649 | 130 |
| <i>Escobaria Britton & Rose</i> wfo--4000014028 | 128 | <i>Escobaria muehlbaueriana</i> (Boed.) F.M.Knuth wfo--0000680650 | 129 |
| <i>Escobaria chaffeyi</i> Britton & Rose wfo--0000680615 | 129 | <i>Escobaria nellieae</i> (Croizat) Backeb. wfo--0000680651 | 130 |
| <i>Escobaria chaffeyi</i> f. <i>viridiflora</i> (Frič) Řiha wfo--0000680616 | 132 | <i>Escobaria neomexicana</i> (Engelm.) Buxb. wfo--0000680652 | 132 |
| <i>Escobaria chihuahuensis</i> Britton & Rose wfo--0000680617 | 129 | <i>Escobaria oklahomensis</i> (Lahman) Buxb. wfo--0000680653 | 133 |
| <i>Escobaria chihuahuensis</i> subsp. <i>chihuahuensis</i> wfo--0001434776 | 129 | <i>Escobaria orcuttii</i> Boed. wfo--0000680654 | 131 |
| <i>Escobaria chihuahuensis</i> subsp. <i>henricksonii</i> (Glass & R.A.Foster) N.P.Taylor wfo--0000680618 | 129 | <i>Escobaria orcuttii</i> var. <i>koenigii</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001430944 | 131 |
| <i>Escobaria chlorantha</i> (Engelm.) Buxb. wfo--0000680619 | 129 | <i>Escobaria orcuttii</i> var. <i>macraxina</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001430945 | 131 |
| <i>Escobaria cubensis</i> (Britton & Rose) D.R.Hunt wfo--0000680620 | 129 | <i>Escobaria organensis</i> (Zimmerman) Castetter, P.Pierce & K.H.Schwer. wfo--0000680656 | 131 |
| <i>Escobaria dasyacantha</i> (Engelm.) Britton & Rose wfo--0000680621 | 129 | <i>Escobaria radiosa</i> (Engelm.) G.Frank wfo--0001434779 | 132 |
| <i>Escobaria dasyacantha</i> subsp. <i>chaffeyi</i> (Britton & Rose) N.P.Taylor wfo--0000680624 | 129 | <i>Escobaria robbinsorum</i> (W.H.Earle) D.R.Hunt wfo--0000680657 | 131 |
| <i>Escobaria dasyacantha</i> subsp. <i>dasyacantha</i> wfo--0001255363 | 129 | <i>Escobaria roseana</i> (Boed.) Buxb. wfo--0000680658 | 6 |
| <i>Escobaria dasyacantha</i> var. <i>chaffeyi</i> (Britton & Rose) N.P.Taylor wfo--0000680622 | 129 | <i>Escobaria roseana</i> subsp. <i>galeanensis</i> Haugg wfo--0000680659 | 7 |
| <i>Escobaria dasyacantha</i> var. <i>duncanii</i> (Hester) N.P.Taylor wfo--0000680625 | 129 | <i>Escobaria runyonii</i> Britton & Rose wfo--0000680660 | 129 |
| <i>Escobaria dasyacantha</i> var. <i>varicolor</i> (Tiegel) D.R.Hunt wfo--0000680626 | 132 | <i>Escobaria sandbergii</i> Castetter, P.Pierce & K.H.Schwer. wfo--0000680661 | 131 |
| <i>Escobaria deserti</i> (Engelm.) Buxb. wfo--0000680627 | 132 | <i>Escobaria</i> sect. <i>Acharagma</i> N.P.Taylor wfo--3400012104 | 6 |
| <i>Escobaria duncanii</i> (Hester) Backeb. wfo--0001255364 | 129 | <i>Escobaria sneedii</i> Britton & Rose wfo--0000680662 | 131 |
| <i>Escobaria duncanii</i> (Hester) Buxb. wfo--0000680628 | 129 | <i>Escobaria sneedii</i> subsp. <i>albicolumnaria</i> (Hester) Lüthy wfo--0000680663 | 131 |
| <i>Escobaria emskoetteriana</i> (Quehl) Borg wfo--0000680629 | 129 | <i>Escobaria sneedii</i> subsp. <i>leei</i> (Rose ex Boed.) D.R.Hunt wfo--0000680666 | 131 |
| <i>Escobaria fobei</i> Frič ex A.Berger wfo--0000680630 | 129 | <i>Escobaria sneedii</i> subsp. <i>orcuttii</i> (Boed.) Lüthy wfo--0000680667 | 131 |
| <i>Escobaria grata</i> Kaplan, Kunte & Snicer wfo--0000680631 | 130 | <i>Escobaria sneedii</i> subsp. <i>organensis</i> (Zimmerman) Lüthy wfo--0000680668 | 131 |
| <i>Escobaria guadalupensis</i> S.Brack & K.D.Heil wfo--0000680632 | 131 | <i>Escobaria sneedii</i> subsp. <i>sandbergii</i> (Castetter, P.Pierce & K.H.Schwer.) Lüthy wfo--0000680669 | 131 |
| <i>Escobaria henricksonii</i> Glass & R.A.Foster wfo--0000680633 | 129 | <i>Escobaria sneedii</i> subsp. <i>sneedii</i> wfo--0001255366 | 131 |
| <i>Escobaria hesteri</i> (Y.Wright) Buxb. wfo--0000680635 | 130 | <i>Escobaria sneedii</i> subsp. <i>villardii</i> (Castetter, P.Pierce & K.H.Schwer.) Lüthy wfo--0000680670 | 131 |
| <i>Escobaria hesteri</i> subsp. <i>grata</i> (Kaplan, Kunte & Snicer) Lüthy & Dicht wfo--0000509203 | 130 | <i>Escobaria sneedii</i> var. <i>leei</i> (Rose ex Boed.) D.R.Hunt wfo--0000680664 | 131 |
| <i>Escobaria hesteri</i> subsp. <i>hesteri</i> wfo--0001434777 | 130 | <i>Escobaria sneedii</i> var. <i>orcuttii</i> (Boed.) Gorelick wfo--0001430946 | 131 |
| <i>Escobaria laredoi</i> (Glass & R.A.Foster) N.P.Taylor wfo--0000680636 | 130 | <i>Escobaria sniceri</i> Halda, Kupčák & Sladk. wfo--0000680671 | 403 |
| <i>Escobaria leei</i> Rose ex Boed. wfo--0000680637 | 131 | <i>Escobaria strobiliformis</i> (Poselg.) Boed. wfo--0000680672 | 403 |
| <i>Escobaria lloydii</i> Britton & Rose wfo--0000680638 | 130 | | |
| <i>Escobaria macdougallii</i> (Alexander) V.John & Řiha wfo--0000680639 | 52 | | |
| <i>Escobaria minima</i> (Baird) D.R.Hunt wfo--0000680640 | 130 | | |
| <i>Escobaria missouriensis</i> (Sweet) D.R.Hunt wfo--0000680641 | 130 | | |

| | | | |
|--|----------|--|----------|
| <i>Escobaria strobiliformis</i> subsp. <i>sisperai</i> Halda & Sladk. wfo--0000680674..... | 132 | <i>Escobariopsis humboldtii</i> (Ehrenb.) Doweld wfo--0000680703..... | 214 |
| <i>Escobaria strobiliformis</i> var. <i>durispina</i> (Quehl) Bravo wfo--0000680673..... | 131 | <i>Escobariopsis jaliscana</i> (Britton & Rose) Doweld wfo--0000680704..... | 214 |
| <i>Escobaria tuberculosa</i> (Engelm.) Britton & Rose wfo--0000680677..... | 128, 131 | <i>Escobariopsis jaliscana</i> subsp. <i>zacatecasensis</i> (Shurly) Doweld wfo--0001430950..... | 214 |
| <i>Escobaria tuberculosa</i> subsp. <i>tuberculosa</i> wfo--0001286185..... | 131 | <i>Escobariopsis kraehenbuehlii</i> (Krainz) Doweld wfo--0000680706..... | 216 |
| <i>Escobaria tuberculosa</i> subsp. <i>varicolor</i> (Tiegel) Lüthy wfo--0000680680..... | 132 | <i>Escobariopsis lasiacantha</i> (Engelm.) Doweld wfo--0000680707..... | 216 |
| <i>Escobaria tuberculosa</i> var. <i>durispina</i> (Quehl) Børgesen wfo--0000738974..... | 131 | <i>Escobariopsis lasiacantha</i> subsp. <i>egregia</i> (Backeb. ex Rogoz. & Appenz.) Doweld wfo--0001430951..... | 216 |
| <i>Escobaria tuberculosa</i> var. <i>pubescens</i> (Quehl) Y.Itô wfo--0000680678..... | 131 | <i>Escobariopsis lasiacantha</i> subsp. <i>magallanii</i> (Schmoll ex R.T.Craig) Doweld wfo--0001430952..... | 216 |
| <i>Escobaria tuberculosa</i> var. <i>varicolor</i> (Tiegel) S.Brack & K.D.Heil wfo--0000680679..... | 132 | <i>Escobariopsis lasiacantha</i> subsp. <i>wohlschlageri</i> (Repp.) Doweld wfo--0001430953..... | 216 |
| <i>Escobaria varicolor</i> Tiegel wfo--0001268634..... | 132 | <i>Escobariopsis laui</i> (D.R.Hunt) Doweld wfo--0000680708..... | 216 |
| <i>Escobaria villardii</i> Castetter, P.Pierce & K.H.Schwer. wfo--0000680681..... | 131 | <i>Escobariopsis laui</i> subsp. <i>dasyacantha</i> (D.R.Hunt) Doweld wfo--0001430954..... | 217 |
| <i>Escobaria vivipara</i> (Nutt.) Buxb. wfo--0000680682..... | 132 | <i>Escobariopsis laui</i> subsp. <i>subducta</i> (D.R.Hunt) Doweld wfo--0001430955..... | 217 |
| <i>Escobaria vivipara</i> var. <i>alversonii</i> (J.M.Coult.) D.R.Hunt wfo--0000680683..... | 128 | <i>Escobariopsis lenta</i> (K.Brandege) Doweld wfo--0000680709..... | 217 |
| <i>Escobaria vivipara</i> var. <i>arizonica</i> (Engelm.) D.R.Hunt wfo--0000680684..... | 132 | <i>Escobariopsis mazatlanensis</i> (K.Schum.) Doweld wfo--0000680711..... | 221 |
| <i>Escobaria vivipara</i> var. <i>bisbeeana</i> (Orcutt) D.R.Hunt wfo--0000680685..... | 133 | <i>Escobariopsis mazatlanensis</i> subsp. <i>patonii</i> (Bravo) Doweld wfo--0001430956..... | 221 |
| <i>Escobaria vivipara</i> var. <i>buoflamma</i> (P.C.Fisch.) N.P.Taylor wfo--0000680686..... | 129 | <i>Escobariopsis mercadensis</i> (Patoni) Doweld wfo--0000680712..... | 222 |
| <i>Escobaria vivipara</i> var. <i>deserti</i> (Engelm.) D.R.Hunt wfo--0000680688..... | 132 | <i>Escobariopsis moelleriana</i> (Boed.) Doweld wfo--0000680713..... | 222 |
| <i>Escobaria vivipara</i> var. <i>kaibabensis</i> (P.C.Fisch.) N.P.Taylor wfo--0000680689..... | 129 | <i>Escobariopsis oteroi</i> (Glass & R.A.Foster) Doweld wfo--0000680714..... | 224 |
| <i>Escobaria vivipara</i> var. <i>neomexicana</i> (Engelm.) Buxb. wfo--0000680690..... | 132 | <i>Escobariopsis pennispinosa</i> (Krainz) Doweld wfo--0000680715..... | 224 |
| <i>Escobaria vivipara</i> var. <i>radiosa</i> (Engelm.) D.R.Hunt wfo--0000680691..... | 132 | <i>Escobariopsis pennispinosa</i> subsp. <i>nazasensis</i> (Glass & R.A.Foster) Doweld wfo--0001430957..... | 225 |
| <i>Escobaria vivipara</i> var. <i>rosea</i> (Clokey) D.R.Hunt wfo--0000680692..... | 133 | <i>Escobariopsis perezdelarosae</i> (Bravo & Scheinvar) Doweld wfo--0000680716..... | 200 |
| <i>Escobaria zilziana</i> (Boed.) Backeb. wfo--0000680693..... | 133 | <i>Escobariopsis picta</i> (Meinsh.) Doweld wfo--0000680717..... | 225 |
| <i>Escobaria zilziana</i> subsp. <i>fricii</i> Halda & Sladk. wfo--0001430947..... | 133 | <i>Escobariopsis pilispina</i> (J.A.Purpus) Doweld wfo--0000680718..... | 226 |
| <i>Escobariopsis albicoma</i> (Boed.) Doweld wfo--0000680694..... | 198 | <i>Escobariopsis plumosa</i> (F.A.C.Weber) Doweld wfo--0000680719..... | 226 |
| <i>Escobariopsis albiflora</i> (Werderm.) Doweld wfo--0000680695..... | 198 | <i>Escobariopsis prolifera</i> (Mill.) Doweld wfo--0000680720..... | 197, 228 |
| <i>Escobariopsis aureilana</i> (Backeb.) Doweld wfo--0000680697..... | 198 | <i>Escobariopsis prolifera</i> subsp. <i>arachnoidea</i> (D.R.Hunt) Doweld wfo--0001430958..... | 228 |
| <i>Escobariopsis bombycina</i> (Quehl) Doweld wfo--0000680698..... | 200 | <i>Escobariopsis prolifera</i> subsp. <i>haitiensis</i> (K.Schum.) Doweld wfo--0001430959..... | 228 |
| <i>Escobariopsis carmenae</i> (Castañeda) Doweld wfo--0000680699..... | 201 | <i>Escobariopsis prolifera</i> subsp. <i>texana</i> (Engelm.) Doweld wfo--0001430960..... | 228 |
| <i>Escobariopsis</i> Doweld wfo--4000014029..... | 197 | <i>Escobariopsis prolifera</i> subsp. <i>zublerae</i> (Repp.) Doweld wfo--0001430961..... | 238 |
| <i>Escobariopsis fittkaui</i> (Glass & R.A.Foster) Doweld wfo--0000680700..... | 208 | <i>Escobariopsis rayonesensis</i> (Repp.) Doweld wfo--0000680721..... | 226 |
| <i>Escobariopsis fittkaui</i> subsp. <i>limonensis</i> (Repp.) Doweld wfo--0001430948..... | 208 | <i>Escobariopsis rettigiana</i> (Boed.) Doweld wfo--0000680722..... | 229 |
| <i>Escobariopsis fittkaui</i> subsp. <i>mathildae</i> (Kraehenb. & Krainz) Doweld wfo--0001430949..... | 221 | <i>Escobariopsis sanchez-mejoradae</i> (Rodr.González) Doweld wfo--0000680723..... | 231 |
| <i>Escobariopsis gracilis</i> (Pfeiff.) Doweld wfo--0000680701..... | 236 | | |
| <i>Escobariopsis herrerae</i> (Werderm.) Doweld wfo--0000680702..... | 212 | | |

| | | | |
|--|---------|--|----------|
| <i>Escobariopsis schiedeana</i> (Ehrenb.) Doweld wfo-- 0000680724..... | 232 | <i>Espostoa lanata</i> f. <i>roseiflora</i> (Madsen & Z.Aguirre) Guiggi wfo--0001430965 | 134 |
| <i>Escobariopsis sinistromamata</i> (Boed.) Doweld wfo-- 0000680726..... | 232 | <i>Espostoa lanata</i> subsp. <i>frutescens</i> (Madsen) Guiggi wfo-- 0001430966 | 133 |
| <i>Escobariopsis sphacelata</i> (Mart.) Doweld wfo-- 0000680727..... | 233 | <i>Espostoa lanata</i> subsp. <i>huanucoensis</i> (H.Johnson ex F.Ritter) G.J.Charles wfo--0000680870 | 134 |
| <i>Escobariopsis tonalensis</i> (D.R.Hunt) Doweld wfo-- 0000680728..... | 236 | <i>Espostoa lanata</i> subsp. <i>lanata</i> wfo--0001434780 | 134 |
| <i>Escobariopsis vetula</i> (Mart.) Doweld wfo--0000680729236 | | <i>Espostoa lanata</i> subsp. <i>lanianuligera</i> (F.Ritter) G.J.Charles wfo--0000680871 | 134 |
| <i>Escobariopsis viereckii</i> (Boed.) Doweld wfo--0000680730 | 225 | <i>Espostoa lanata</i> subsp. <i>roseiflora</i> Madsen & Z.Aguirre wfo-- --0001430967 | 134 |
| <i>Escobariopsis viperina</i> (J.A.Purpus) Doweld wfo-- 0000680731..... | 233 | <i>Espostoa lanata</i> subsp. <i>ruficeps</i> (F.Ritter) G.J.Charles wfo-- 0000680872 | 134 |
| <i>Escobariopsis weingartiana</i> (Boed.) Doweld wfo-- 0000680732..... | 237 | <i>Espostoa lanata</i> var. <i>floridaensis</i> F.Ritter wfo-- 0000680869 | 415 |
| <i>Escobesseyia dasycantha</i> (Engelm.) Hester wfo-- 0000680754..... | 129 | <i>Espostoa lanata</i> var. <i>sericata</i> (Backeb.) Backeb. wfo-- 0000680873 | 134 |
| <i>Escobesseyia duncanii</i> Hester wfo--0000680755 | 129 | <i>Espostoa lanianuligera</i> F.Ritter wfo--0000680874 | 134 |
| <i>Escobesseyia</i> Hester wfo--4000014031..... | 128 | <i>Espostoa laticornua</i> Rauh & Backeb. wfo--0000680875 134 | |
| <i>Escobrittonia</i> Doweld wfo--4000014032..... | 61 | <i>Espostoa laticornua</i> var. <i>atroviolacea</i> Rauh & Backeb. wfo-- --0000680877 | 134 |
| <i>Escobrittonia gracilis</i> (L.Bremer & A.B.Lau) Doweld wfo-- 0000680757..... | 61, 64 | <i>Espostoa laticornua</i> var. <i>rubens</i> Rauh & Backeb. wfo-- 0000680878 | 134 |
| <i>Escocoryphantha chihuahuensis</i> (Britton & Rose) Doweld wfo--0000680758..... | 129 | <i>Espostoa melanostele</i> (Vaupel) Borg wfo--0000680879 134 | |
| <i>Escocoryphantha</i> Doweld wfo--4000014033 | 128 | <i>Espostoa melanostele</i> f. <i>inermis</i> (Backeb.) Krainz wfo-- 0000680880 | 134 |
| <i>Escocoryphantha henricksonii</i> (Glass & R.A.Foster) Doweld wfo--0000680759 | 129 | <i>Espostoa melanostele</i> subsp. <i>melanostele</i> wfo-- 0001434781 | 134 |
| <i>Escontria chiotilla</i> (F.A.C.Weber ex K.Schum.) Rose wfo-- 0000680760..... | 133 | <i>Espostoa melanostele</i> subsp. <i>nana</i> (F.Ritter) G.J.Charles wfo--0001430968 | 134 |
| <i>Escontria lepidantha</i> (Eichlam) Buxb. wfo--0000680761 | 174 | <i>Espostoa mirabilis</i> F.Ritter wfo--0000680881..... | 134 |
| <i>Escontria</i> Rose wfo--4000014034..... | 87, 133 | <i>Espostoa mirabilis</i> var. <i>primigena</i> F.Ritter wfo-- 0000680882 | 134 |
| <i>Espostoa baumannii</i> Knize wfo--0000680851 | 403 | <i>Espostoa nana</i> F.Ritter wfo--0000680883 | 134 |
| <i>Espostoa baumannii</i> var. <i>arborescens</i> Knize wfo-- 0000680852..... | 403 | <i>Espostoa procera</i> Rauh & Backeb. wfo--0000680884 ... | 134 |
| <i>Espostoa blossfeldiorum</i> (Werderm.) Buxb. wfo-- 0000680853..... | 133 | <i>Espostoa ritteri</i> Buining wfo--0000680885 | 134 |
| <i>Espostoa</i> Britton & Rose wfo--4000014051 | 133 | <i>Espostoa ruficeps</i> F.Ritter wfo--0000680887 | 134 |
| <i>Espostoa calva</i> F.Ritter wfo--0000680854 | 133 | <i>Espostoa senilis</i> (F.Ritter) N.P.Taylor wfo--0000680888 134 | |
| <i>Espostoa calva</i> subsp. <i>utcubambensis</i> (G.J.Charles) Guiggi wfo--0001430962..... | 134 | <i>Espostoa sericata</i> (Backeb.) Backeb. wfo--0000680889 134 | |
| <i>Espostoa cremnophila</i> Hoxey wfo--0001430963..... | 133 | <i>Espostoa superba</i> F.Ritter wfo--0000680890 | 134 |
| <i>Espostoa dautwitzii</i> (F.Haage ex Anon.) Borg wfo-- 0000680857..... | 133 | <i>Espostoa ulei</i> (Gürke) Buxb. wfo--0000680891..... | 136 |
| <i>Espostoa dautwitzii</i> Backeb. wfo--0001289129 | 134 | <i>Espostoa utcubambensis</i> G.J.Charles wfo--0000680892 134 | |
| <i>Espostoa frutescens</i> Madsen wfo--0000680858 | 133 | <i>Espostoopsis</i> Buxb. wfo--4000014053 | 134 |
| <i>Espostoa gigantea</i> Backeb. wfo--0000680859 | 255 | <i>Espostoopsis dybowskii</i> (Rol.-Goss.) Buxb. wfo-- 0000680897 | 134, 135 |
| <i>Espostoa guentheri</i> (Kupper) Buxb. ex Eggli wfo-- 0000680861..... | 377 | <i>Estevesia alex-bragae</i> P.J.Braun & Esteves wfo-- 0000743877 | 135 |
| <i>Espostoa guentheri</i> (Kupper) Buxb. wfo--0000680860 | 377 | <i>Estevesia</i> P.J.Braun wfo--4000014058..... | 135 |
| <i>Espostoa haagei</i> (Poselg. ex Rümpler) Borg wfo-- 0000680862..... | 134 | <i>Eulychnia acida</i> Phil. wfo--0000681458..... | 135 |
| <i>Espostoa haagei</i> (Poselg. ex Rümpler) F.Ritter wfo-- 0001430964..... | 134 | <i>Eulychnia acida</i> var. <i>acida</i> wfo--0001434782 | 135 |
| <i>Espostoa huanucoensis</i> H.Johnson ex F.Ritter wfo-- 0000680863..... | 134 | <i>Eulychnia acida</i> var. <i>elata</i> F.Ritter wfo--0000681459 ... | 135 |
| <i>Espostoa humboldtiana</i> Backeb. wfo--0000680864..... | 415 | <i>Eulychnia acida</i> var. <i>procumbens</i> F.Ritter wfo-- 0000681460 | 135 |
| <i>Espostoa humboldtii</i> Backeb. wfo--0000680865 | 415 | <i>Eulychnia aricensis</i> F.Ritter wfo--0000681462..... | 135 |
| <i>Espostoa hylaea</i> F.Ritter wfo--0000680866 | 133 | <i>Eulychnia barquitenis</i> F.Ritter wfo--0000681463 | 135 |
| <i>Espostoa lanata</i> (Kunth) Britton & Rose wfo--0000680868 | 133 | <i>Eulychnia breviflora</i> Phil. wfo--0000681464 | 135 |
| | | <i>Eulychnia breviflora</i> subsp. <i>iquiquensis</i> (K.Schum.) D.R.Hunt wfo--0000681465 | 135 |
| | | <i>Eulychnia breviflora</i> subsp. <i>ritteri</i> (Cullmann) D.R.Hunt wfo--0000681466 | 135 |
| | | <i>Eulychnia breviflora</i> var. <i>breviflora</i> wfo--0001434783. 135 | |

| | | | |
|--|-----|---|-----|
| <i>Eulychnia breviflora</i> var. <i>taltalensis</i> F.Ritter wfo-- 0000681467..... | 136 | <i>Euporteria villosa</i> (Monv.) Kreuz. & Buining wfo-- 0000682830..... | 128 |
| <i>Eulychnia breviflora</i> var. <i>tenuis</i> F.Ritter wfo--0000681468 | 135 | <i>Eurebutia</i> (Backeb.) Vande Weghe wfo--4000014253.. | 321 |
| <i>Eulychnia castanea</i> Phil. wfo--0000681469..... | 135 | <i>Eurebutia minuscula</i> (K.Schum.) Vande Weghe wfo-- 0000682842..... | 321 |
| <i>Eulychnia chorosensis</i> P.Klaassen wfo--0000750372.... | 135 | <i>Facheiroa blossfeldiorum</i> (Werderm.) W.T.Marshall wfo-- 0000684576..... | 133 |
| <i>Eulychnia clavata</i> Phil. ex K.Schum. wfo--0000681470... 16 | | <i>Facheiroa braunii</i> Esteves wfo--0000684577..... | 136 |
| <i>Eulychnia coquimbana</i> (Molina) Albesiano wfo-- 0001430969..... | 396 | <i>Facheiroa Britton & Rose</i> wfo--4000014530..... | 136 |
| <i>Eulychnia eburnea</i> Phil. ex K.Schum. wfo--0000681471 179 | | <i>Facheiroa cephaliomelana</i> Buining & Brederoo wfo-- 0000684579..... | 136 |
| <i>Eulychnia iquiquensis</i> (K.Schum.) Britton & Rose wfo-- 0000681473..... | 135 | <i>Facheiroa cephaliomelana</i> subsp. <i>cephaliomelana</i> wfo-- 0001254668..... | 136 |
| <i>Eulychnia iquiquensis</i> subsp. <i>iquiquensis</i> wfo-- 0001434784..... | 135 | <i>Facheiroa cephaliomelana</i> subsp. <i>estesvii</i> (P.J.Braun) N.P.Taylor & Zappi wfo--0000684580..... | 136 |
| <i>Eulychnia iquiquensis</i> subsp. <i>ritteri</i> (Cullmann) D.R.Hunt wfo--0000681475..... | 135 | <i>Facheiroa chaetacantha</i> (F.Ritter) P.J.Braun & Esteves wfo-- --0000684581..... | 136 |
| <i>Eulychnia iquiquensis</i> var. <i>pullilana</i> F.Ritter wfo-- 0000681474..... | 135 | <i>Facheiroa chaetacantha</i> var. <i>montealtoi</i> (F.Ritter) P.J.Braun & Esteves wfo--0000684582..... | 136 |
| <i>Eulychnia longispina</i> (Salm-Dyck) F.Ritter wfo-- 0000681476..... | 135 | <i>Facheiroa deinacanthus</i> Rauh ex Innes & Glass wfo-- 0001430971..... | 136 |
| <i>Eulychnia morromorenoensis</i> F.Ritter wfo--0000681477 | 135 | <i>Facheiroa estesvii</i> P.J.Braun wfo--0000684583..... | 136 |
| <i>Eulychnia</i> Phil. wfo--4000014182..... | 135 | <i>Facheiroa pilosa</i> F.Ritter wfo--0000684584..... | 136 |
| <i>Eulychnia procumbens</i> Backeb. wfo--0000681478..... | 135 | <i>Facheiroa pubiflora</i> Britton & Rose wfo--0000684585.. | 136 |
| <i>Eulychnia ritteri</i> Cullmann wfo--0000681479..... | 135 | <i>Facheiroa squamosa</i> (Gürke) P.J.Braun & Esteves wfo-- 0000684586..... | 136 |
| <i>Eulychnia saint-pieana</i> F.Ritter wfo--0000681480..... | 135 | <i>Facheiroa squamosa</i> subsp. <i>polygona</i> (F.Ritter) P.J.Braun & Esteves wfo--0000684588..... | 136 |
| <i>Eulychnia saint-pieana</i> var. <i>barquitensis</i> (F.Ritter) A.E.Hoffm. wfo--0000681481..... | 135 | <i>Facheiroa squamosa</i> var. <i>polygona</i> (F.Ritter) P.J.Braun & Esteves wfo--0000684587..... | 136 |
| <i>Eulychnia spinibarbis</i> (Hort.Berol. ex Pfeiff.) Britton & Rose wfo--0000681482..... | 399 | <i>Facheiroa tenebrosa</i> P.J.Braun & Esteves wfo-- 0000684590..... | 136 |
| <i>Eulychnia taltalensis</i> (F.Ritter) Hoxey wfo--0000750371 | 136 | <i>Facheiroa ulei</i> (Gürke) Werderm. wfo--0000684591.... | 136 |
| <i>Eulychnia vallenarensis</i> P.C.Guerrero & Helmut Walter wfo--0001430970..... | 136 | <i>Ferocactus acanthodes</i> (Lem.) Britton & Rose wfo-- 0000686237..... | 137 |
| <i>Eulychnocactus</i> Backeb. wfo--4000014183..... | 60 | <i>Ferocactus acanthodes</i> subsp. <i>eastwoodiae</i> (L.D.Benson) Lodé wfo--0001430972..... | 137 |
| <i>Eulychnocactus bolivianus</i> Backeb. wfo--0000681484.. | 415 | <i>Ferocactus acanthodes</i> subsp. <i>lecontei</i> (Engelm.) Lodé wfo-- --0001430973..... | 137 |
| <i>Euporteria acutissima</i> (Otto & A.Dietr.) Kreuz. & Buining wfo--0000682817..... | 126 | <i>Ferocactus acanthodes</i> subsp. <i>rostii</i> (Britton & Rose) Lodé wfo--0001430974..... | 137 |
| <i>Euporteria atrispinosa</i> (Backeb.) Kreuz. & Buining wfo-- 0000682818..... | 128 | <i>Ferocactus acanthodes</i> subsp. <i>tortulispinus</i> (H.E.Gates) F.Wolf & R.Wolf wfo--0000686244..... | 137 |
| <i>Euporteria castaneoides</i> (Cels) Kreuz. & Buining wfo-- 0000682819..... | 126 | <i>Ferocactus acanthodes</i> var. <i>eastwoodiae</i> L.D.Benson wfo-- 0000686238..... | 137 |
| <i>Euporteria cephalophora</i> (Backeb.) Kreuz. & Buining wfo-- 0000682820..... | 128 | <i>Ferocactus acanthodes</i> var. <i>johnstonianus</i> (Britton & Rose) G.Unger wfo--0000686240..... | 137 |
| <i>Euporteria chilensis</i> (Hildm. ex K.Schum.) Kreuz. & Buining wfo--0000682821..... | 114 | <i>Ferocactus acanthodes</i> var. <i>lecontei</i> (Engelm.) G.E.Linds. wfo--0000686241..... | 137 |
| <i>Euporteria clavata</i> (Söhrens ex K.Schum.) Kreuz. & Buining wfo--0000682822..... | 115 | <i>Ferocactus acanthodes</i> var. <i>rostii</i> (Britton & Rose) W.T.Marshall wfo--0000686242..... | 137 |
| <i>Euporteria heteracantha</i> (Backeb.) Kreuz. & Buining wfo-- 0000682824..... | 126 | <i>Ferocactus acanthodes</i> var. <i>tortulispinus</i> (H.E.Gates) G.E.Linds. wfo--0000686243..... | 137 |
| <i>Euporteria</i> Kreuz. & Buining wfo--4000014243..... | 112 | <i>Ferocactus alamosanus</i> (Britton & Rose) Britton & Rose wfo--0000686245..... | 136 |
| <i>Euporteria nidus</i> (Söhrens ex K.Schum.) Kreuz. & Buining wfo--0000682825..... | 117 | <i>Ferocactus alamosanus</i> subsp. <i>alamosanus</i> wfo-- 0001434785..... | 137 |
| <i>Euporteria nigrihorrida</i> (Backeb.) Kreuz. & Buining wfo-- 0000682826..... | 126 | <i>Ferocactus alamosanus</i> subsp. <i>reppenhagenii</i> (G.Unger) N.P.Taylor wfo--0000686247..... | 137 |
| <i>Euporteria senilis</i> (Phil.) Kreuz. & Buining wfo-- 0000682827..... | 38 | <i>Ferocactus alamosanus</i> var. <i>platygonus</i> G.E.Linds. wfo-- 0000686246..... | 136 |
| <i>Euporteria subcylindrica</i> (Backeb.) Kreuz. & Buining wfo-- 0000682828..... | 126 | | |
| <i>Euporteria subgibbosa</i> (Haw.) Kreuz. & Buining wfo-- 0000682829..... | 125 | | |

| | | | |
|---|-----|---|-----|
| <i>Ferocactus arizonicus</i> (R.E.Kunze) Orcutt wfo-- 0000686248..... | 143 | <i>Ferocactus emoryi</i> (Engelm.) Orcutt wfo--0000686278 | 138 |
| <i>Ferocactus bicolor</i> (Galeotti ex Pfeiff.) N.P.Taylor wfo-- 0000686249..... | 364 | <i>Ferocactus emoryi</i> subsp. <i>covillei</i> (Britton & Rose) D.R.Hunt & Dimmitt wfo--0001430977..... | 138 |
| <i>Ferocactus bicolor</i> var. <i>bolaensis</i> (Runge) N.P.Taylor wfo-- 0000686251..... | 365 | <i>Ferocactus emoryi</i> subsp. <i>emoryi</i> wfo--0001434786 ... | 138 |
| <i>Ferocactus bicolor</i> var. <i>flavidispinus</i> (Backeb.) N.P.Taylor wfo--0001430975..... | 365 | <i>Ferocactus emoryi</i> subsp. <i>rectispinus</i> (Engelm.) N.P.Taylor wfo--0000686280 | 138 |
| <i>Ferocactus bicolor</i> var. <i>schwarzii</i> (Backeb.) N.P.Taylor wfo-- -0001430976 | 365 | <i>Ferocactus emoryi</i> var. <i>rectispinus</i> (Engelm.) N.P.Taylor wfo--0000686279 | 138 |
| <i>Ferocactus</i> Britton & Rose wfo--4000014683 | 136 | <i>Ferocactus falconeri</i> (Orcutt) Orcutt wfo--0000686282 | 143 |
| <i>Ferocactus californicus</i> (Monv. ex Labour.) Borg wfo-- 0000686252..... | 403 | <i>Ferocactus flavovirens</i> (Scheidw.) Britton & Rose wfo-- 0000686283 | 138 |
| <i>Ferocactus chrysacanthus</i> (Orcutt) Britton & Rose wfo-- 0000686253..... | 137 | <i>Ferocactus fordii</i> (Orcutt) Britton & Rose wfo-- 0000686284 | 138 |
| <i>Ferocactus chrysacanthus</i> f. <i>rubripinus</i> (Ford ex Orcutt) G.Unger wfo--0000686255..... | 137 | <i>Ferocactus fordii</i> subsp. <i>borealis</i> N.P.Taylor wfo-- 0001430978 | 138 |
| <i>Ferocactus chrysacanthus</i> subsp. <i>chrysacanthus</i> wfo-- 0001254417..... | 137 | <i>Ferocactus fordii</i> subsp. <i>fordii</i> wfo--0001286187 | 138 |
| <i>Ferocactus chrysacanthus</i> subsp. <i>grandiflorus</i> (G.E.Linds.) N.P.Taylor wfo--0000686254 | 137 | <i>Ferocactus fordii</i> var. <i>fordii</i> wfo--0001248206..... | 138 |
| <i>Ferocactus coloratus</i> H.E.Gates wfo--0000686256 | 139 | <i>Ferocactus fordii</i> var. <i>grandiflorus</i> G.E.Linds. wfo-- 0000686285 | 137 |
| <i>Ferocactus coptonogonus</i> (Lem.) N.P.Taylor wfo-- 0000686257..... | 351 | <i>Ferocactus gatesii</i> G.E.Linds. wfo--0000686286 | 139 |
| <i>Ferocactus covillei</i> Britton & Rose wfo--0000686258 ... | 138 | <i>Ferocactus glaucescens</i> (DC.) Britton & Rose wfo-- 0000686287 | 138 |
| <i>Ferocactus crassihamatus</i> (F.A.C.Weber) Britton & Rose wfo--0000686260..... | 141 | <i>Ferocactus glaucus</i> (K.Schum.) N.P.Taylor wfo-- 0000686288 | 337 |
| <i>Ferocactus crispatus</i> (DC.) N.P.Taylor wfo--0000686261 | 351 | <i>Ferocactus gracilis</i> H.E.Gates wfo--0000686289 | 138 |
| <i>Ferocactus cylindraceus</i> (Engelm.) Orcutt wfo-- 0000686262..... | 137 | <i>Ferocactus gracilis</i> subsp. <i>coloratus</i> (H.E.Gates) N.P.Taylor wfo--0000686292 | 139 |
| <i>Ferocactus cylindraceus</i> subsp. <i>cylindraceus</i> wfo-- 0001254418..... | 137 | <i>Ferocactus gracilis</i> subsp. <i>gatesii</i> (G.E.Linds.) N.P.Taylor wfo--0000686293 | 139 |
| <i>Ferocactus cylindraceus</i> subsp. <i>eastwoodiae</i> (L.D.Benson) N.P.Taylor wfo--0000686264 | 137 | <i>Ferocactus gracilis</i> subsp. <i>gracilis</i> wfo--0001254416... 139 | |
| <i>Ferocactus cylindraceus</i> subsp. <i>lecontei</i> (Engelm.) N.P.Taylor wfo--0000686267 | 137 | <i>Ferocactus gracilis</i> subsp. <i>tortulispinus</i> (H.E.Gates) Lodé wfo--0001430979 | 137 |
| <i>Ferocactus cylindraceus</i> subsp. <i>tortulispinus</i> (H.E.Gates) N.P.Taylor wfo--0000686269 | 137 | <i>Ferocactus gracilis</i> var. <i>coloratus</i> (H.E.Gates) G.E.Linds. wfo--0000686290 | 139 |
| <i>Ferocactus cylindraceus</i> var. <i>eastwoodiae</i> (L.D.Benson) N.P.Taylor wfo--0000686263 | 137 | <i>Ferocactus gracilis</i> var. <i>gracilis</i> wfo--0001287213 | 138 |
| <i>Ferocactus cylindraceus</i> var. <i>greenwoodiae</i> (Glass) N.P.Taylor wfo--0000686265 | 141 | <i>Ferocactus grandiflorus</i> (G.E.Linds.) G.Unger wfo-- 0000686294 | 137 |
| <i>Ferocactus cylindraceus</i> var. <i>lecontei</i> (Engelm.) Bravo wfo-- -0000686266 | 137 | <i>Ferocactus hamatacanthus</i> (Salm-Dyck) Bravo ex Backeb. & F.M.Knuth wfo--0000686295 | 139 |
| <i>Ferocactus cylindraceus</i> var. <i>tortulispinus</i> (H.E.Gates) Bravo wfo--0000686268..... | 137 | <i>Ferocactus hamatacanthus</i> (Muehlenpf.) Britton & Rose wfo--0000686296 | 139 |
| <i>Ferocactus diguetii</i> (F.A.C.Weber) Britton & Rose wfo-- 0000686271..... | 137 | <i>Ferocactus hamatacanthus</i> subsp. <i>hamatacanthus</i> wfo-- 0001255368 | 139 |
| <i>Ferocactus diguetii</i> subsp. <i>carmenensis</i> (G.E.Linds.) F.Wolf & R.Wolf wfo--0000686273..... | 137 | <i>Ferocactus hamatacanthus</i> subsp. <i>sinuatus</i> (A.Dietr.) N.P.Taylor wfo--0000686298 | 139 |
| <i>Ferocactus diguetii</i> var. <i>carmenensis</i> G.E.Linds. wfo-- 0000686272..... | 137 | <i>Ferocactus hamatacanthus</i> var. <i>crassispinus</i> (Engelm.) L.D.Benson wfo--0001430980..... | 139 |
| <i>Ferocactus diguetii</i> var. <i>diguetii</i> wfo--0001248205 | 137 | <i>Ferocactus hamatacanthus</i> var. <i>sinuatus</i> (A.Dietr.) L.D.Benson wfo--0000686297 | 139 |
| <i>Ferocactus eastwoodiae</i> (L.D.Benson) L.D.Benson wfo-- 0000686274..... | 137 | <i>Ferocactus hastifer</i> (Werderm. & Boed.) N.P.Taylor wfo-- 0000686299 | 366 |
| <i>Ferocactus echidne</i> (DC.) Britton & Rose wfo--0000686275 | 138 | <i>Ferocactus herrerae</i> J.G.Ortega wfo--0000686300..... | 140 |
| <i>Ferocactus echidne</i> var. <i>rhodanthus</i> G.Unger wfo-- 0000686276..... | 138 | <i>Ferocactus heterochromus</i> (F.A.C.Weber) N.P.Taylor wfo-- 0000686302 | 365 |
| <i>Ferocactus echidne</i> var. <i>victoriensis</i> (Rose) G.E.Linds. wfo-- 0000686277..... | 138 | <i>Ferocactus histrix</i> (DC.) G.E.Linds. wfo--0000686303 ... | 140 |
| | | <i>Ferocactus horridus</i> Britton & Rose wfo--0000686304. | 142 |
| | | <i>Ferocactus johnsonii</i> (Parry ex Engelm.) Britton & Rose wfo--0000686305 | 337 |
| | | <i>Ferocactus johnstonianus</i> Britton & Rose wfo-- 0000686306 | 140 |
| | | <i>Ferocactus latispinus</i> (Haw.) Britton & Rose wfo-- 0000686307 | 140 |

| | | | |
|--|-----|--|-----|
| <i>Ferocactus latispinus</i> subsp. <i>greenwoodii</i> (Glass) N.P.Taylor wfo--0000686310..... | 141 | <i>Ferocactus phoeniceus</i> (R.E.Kunze) Orcutt wfo--0000686339..... | 143 |
| <i>Ferocactus latispinus</i> subsp. <i>latispinus</i> wfo--0001434787..... | 141 | <i>Ferocactus phyllacanthus</i> (Mart.) N.P.Taylor wfo--0000686340..... | 354 |
| <i>Ferocactus latispinus</i> subsp. <i>spiralis</i> (Karw. ex Pfeiff.) N.P.Taylor wfo--0000686313..... | 141 | <i>Ferocactus pilifer</i> (Lem. ex Labour.) G.Unger wfo--0001430982..... | 142 |
| <i>Ferocactus latispinus</i> var. <i>flavispinus</i> (J.N.Haage) Backeb. & F.M.Knuth wfo--0000686308..... | 141 | <i>Ferocactus piliferus</i> (Lem. ex Labour.) G.Unger wfo--0000686341..... | 142 |
| <i>Ferocactus latispinus</i> var. <i>greenwoodii</i> (Glass) N.P.Taylor wfo--0000686309..... | 141 | <i>Ferocactus piliferus</i> f. <i>flavispinus</i> (Schelle) G.Unger wfo--0000686342..... | 142 |
| <i>Ferocactus latispinus</i> var. <i>recurvus</i> (Mill.) Lodé wfo--0001430981..... | 140 | <i>Ferocactus piliferus</i> var. <i>stainesii</i> (Salm-Dyck) G.Unger wfo--0000686343..... | 142 |
| <i>Ferocactus latispinus</i> var. <i>spiralis</i> (Karw. ex Pfeiff.) N.P.Taylor wfo--0000686312..... | 141 | <i>Ferocactus pilosus</i> (Galeotti) Werderm. wfo--0000686344..... | 142 |
| <i>Ferocactus lecontei</i> (Engelm.) Britton & Rose wfo--0000686314..... | 137 | <i>Ferocactus polyancistrus</i> (Engelm. & J.M.Bigelow) N.P.Taylor wfo--0000686346..... | 338 |
| <i>Ferocactus leucacanthus</i> (Zucc. ex Pfeiff.) N.P.Taylor wfo--0000686315..... | 366 | <i>Ferocactus pottsii</i> (Salm-Dyck) Backeb. wfo--0000686347..... | 142 |
| <i>Ferocactus lindsayi</i> Bravo wfo--0000686316..... | 141 | <i>Ferocactus pottsii</i> var. <i>alamosanus</i> (Britton & Rose) G.Unger wfo--0000686348..... | 136 |
| <i>Ferocactus macrodiscus</i> (Mart.) Britton & Rose wfo--0000686317..... | 141 | <i>Ferocactus pringlei</i> (J.M.Coult.) Britton & Rose wfo--0000686349..... | 142 |
| <i>Ferocactus macrodiscus</i> subsp. <i>macrodiscus</i> wfo--0001255370..... | 141 | <i>Ferocactus pubispinus</i> (Engelm.) N.P.Taylor wfo--0000686350..... | 339 |
| <i>Ferocactus macrodiscus</i> subsp. <i>septentrionalis</i> (J.Meyrán) N.P.Taylor wfo--0000686319..... | 141 | <i>Ferocactus rafaensis</i> (J.A.Purpus) Borg wfo--0000686351..... | 138 |
| <i>Ferocactus macrodiscus</i> var. <i>septentrionalis</i> J.Meyrán wfo--0000686318..... | 141 | <i>Ferocactus rectispinus</i> (Engelm.) Britton & Rose wfo--0000686352..... | 138 |
| <i>Ferocactus mathsonii</i> (Berge ex K.Schum.) N.P.Taylor wfo--0000686320..... | 141 | <i>Ferocactus recurvus</i> (Mill.) Borg wfo--0000686353..... | 140 |
| <i>Ferocactus melocactiformis</i> (DC.) Britton & Rose wfo--0000686321..... | 140 | <i>Ferocactus recurvus</i> f. <i>flavispinus</i> (Haage ex C.F.Först.) G.Unger wfo--0000686354..... | 141 |
| <i>Ferocactus mesae-verdae</i> (Boissev. & C.Davidson ex Marshall & Bloc) N.P.Taylor wfo--0000686323..... | 338 | <i>Ferocactus recurvus</i> f. <i>spiralis</i> (Karw. ex Pfeiff.) G.Unger wfo--0000686359..... | 141 |
| <i>Ferocactus nobilis</i> (L.) Britton & Rose wfo--0000686324..... | 140 | <i>Ferocactus recurvus</i> subsp. <i>greenwoodiae</i> (Glass) Pilbeam & Bowdery wfo--0000686357..... | 141 |
| <i>Ferocactus orcuttii</i> (Engelm. ex Orcutt) Britton & Rose wfo--0000686325..... | 143 | <i>Ferocactus recurvus</i> subsp. <i>greenwoodii</i> (Glass) Pilbeam & Bowdery wfo--0001430983..... | 141 |
| <i>Ferocactus parviflorus</i> (Clover & Jotter) N.P.Taylor wfo--0000686326..... | 338 | <i>Ferocactus recurvus</i> subvar. <i>greenwoodiae</i> (Glass) G.Unger wfo--0001430984..... | 141 |
| <i>Ferocactus peninsulae</i> (F.A.C.Weber) Britton & Rose wfo--0000686327..... | 142 | <i>Ferocactus recurvus</i> var. <i>greenwoodiae</i> Glass wfo--0000686355..... | 141 |
| <i>Ferocactus peninsulae</i> subsp. <i>santa-maria</i> (Britton & Rose) Pilbeam & Bowdery wfo--0000686331..... | 142 | <i>Ferocactus recurvus</i> var. <i>latispinus</i> (Haw.) G.Unger wfo--0000686358..... | 140 |
| <i>Ferocactus peninsulae</i> subsp. <i>townsendianus</i> (Britton & Rose) Pilbeam & Bowdery wfo--0000686335..... | 142 | <i>Ferocactus reppenhagenii</i> G.Unger wfo--0000686360..... | 137 |
| <i>Ferocactus peninsulae</i> subsp. <i>viscainensis</i> (H.E.Gates) F.Wolf & R.Wolf wfo--0000686337..... | 139 | <i>Ferocactus robustus</i> (Link & Otto) Britton & Rose wfo--0000686361..... | 142 |
| <i>Ferocactus peninsulae</i> var. <i>coloratus</i> (H.E.Gates) G.Unger wfo--0000686328..... | 139 | <i>Ferocactus rostii</i> Britton & Rose wfo--0000686362..... | 137 |
| <i>Ferocactus peninsulae</i> var. <i>gracilis</i> (H.E.Gates) G.Unger wfo--0000686329..... | 138 | <i>Ferocactus santa-maria</i> Britton & Rose wfo--0000686363..... | 142 |
| <i>Ferocactus peninsulae</i> var. <i>peninsulae</i> wfo--0001248207..... | 142 | <i>Ferocactus scheeri</i> (Salm-Dyck) N.P.Taylor wfo--0000686364..... | 339 |
| <i>Ferocactus peninsulae</i> var. <i>santa-maria</i> (Britton & Rose) N.P.Taylor wfo--0000686330..... | 142 | <i>Ferocactus schwarzii</i> G.E.Linds. wfo--0000686365..... | 142 |
| <i>Ferocactus peninsulae</i> var. <i>townsendianus</i> (Britton & Rose) N.P.Taylor wfo--0000686332..... | 142 | <i>Ferocactus</i> sect. <i>Bisnaga</i> (Orcutt) N.P.Taylor & J.Y.Clark wfo--3400012102..... | 136 |
| <i>Ferocactus peninsulae</i> var. <i>viscainensis</i> (H.E.Gates) G.E.Linds. wfo--0000686336..... | 139 | <i>Ferocactus setispinus</i> (Engelm.) L.D.Benson wfo--0000686367..... | 368 |
| <i>Ferocactus pfeifferi</i> (Zucc. ex Pfeiff.) Backeb. wfo--0000686338..... | 138 | <i>Ferocactus spinosior</i> (Engelm.) N.P.Taylor wfo--0000686368..... | 339 |
| | | <i>Ferocactus stainesii</i> (Hook. ex Salm-Dyck) Britton & Rose wfo--0000686369..... | 142 |
| | | <i>Ferocactus stainesii</i> var. <i>haematacanthus</i> (Salm-Dyck) Backeb. wfo--0000686370..... | 139 |

| | | | |
|--|----------|---|----------|
| <i>Ferocactus stainesii</i> var. <i>pilosus</i> (Galeotti ex Salm-Dyck) Backeb. wfo--0000686371 | 142 | <i>Floribunda bahiensis</i> P.J.Braun & Esteves wfo--0000691425 | 12 |
| <i>Ferocactus stainesii</i> var. <i>pringlei</i> (J.M.Coult.) Backeb. wfo--0000686372 | 142 | <i>Floribunda</i> F.Ritter wfo--4000014866 | 44 |
| <i>Ferocactus tiburonensis</i> (G.E.Linds.) Backeb. wfo--0000686373 | 142 | <i>Floribunda pusilliflora</i> F.Ritter wfo--0000691426 | 44 |
| <i>Ferocactus tobuschii</i> (W.T.Marshall) N.P.Taylor wfo--0000686374 | 336 | <i>Fobea</i> Frič ex Boed. wfo--4000014891 | 128 |
| <i>Ferocactus tortulispinus</i> H.E.Gates wfo--0000686375 .. | 137 | <i>Fobea viridiflora</i> Frič ex Boed. wfo--0000691440 | 132 |
| <i>Ferocactus townsendianus</i> Britton & Rose wfo--0000686376 | 142 | <i>Frailea alacriportana</i> Backeb. & Voll wfo--0000691691 | 145 |
| <i>Ferocactus townsendianus</i> var. <i>santa-maria</i> (Britton & Rose) G.E.Linds. wfo--0000686378 | 142 | <i>Frailea albiareolata</i> Buining & Brederoo wfo--0000691693 | 145 |
| <i>Ferocactus uncinatus</i> (Galeotti ex Pfeiff.) Britton & Rose wfo--0000686379 | 143 | <i>Frailea albicolumnaris</i> F.Ritter wfo--0000691694 | 146 |
| <i>Ferocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) N.P.Taylor wfo--0001430985 | 143 | <i>Frailea albifusca</i> F.Ritter wfo--0000691695 | 145 |
| <i>Ferocactus vaupelianus</i> (Werderm.) N.P.Taylor wfo--0000686380 | 355 | <i>Frailea alexandri</i> Metzging wfo--0000507290 | 144 |
| <i>Ferocactus victoriensis</i> (Rose) Backeb. wfo--0000686381 | 138 | <i>Frailea altasensis</i> Prestlé wfo--0000691696 | 145 |
| <i>Ferocactus viridescens</i> (Torr. & A.Gray) Britton & Rose wfo--0000686382 | 143 | <i>Frailea altigibbera</i> P.J.Braun & Esteves wfo--0001257764 | 423 |
| <i>Ferocactus viridescens</i> subsp. <i>littoralis</i> (G.E.Linds.) F.Wolf & R.Wolf wfo--0000686384 | 143 | <i>Frailea amerhauseri</i> Prestlé wfo--0001434788 | 144 |
| <i>Ferocactus viridescens</i> subsp. <i>orcuttii</i> (Engelm. ex Orcutt) F.Wolf & R.Wolf wfo--0000686386 | 143 | <i>Frailea angelicana</i> Diers & Schädlich wfo--0001430989 | 147 |
| <i>Ferocactus viridescens</i> var. <i>littoralis</i> G.E.Linds. wfo--0000686383 | 143 | <i>Frailea asperispina</i> F.Ritter wfo--0000691697 | 146 |
| <i>Ferocactus viridescens</i> var. <i>orcuttii</i> (Engelm. ex Orcutt) G.Unger wfo--0000686385 | 143 | <i>Frailea asterioides</i> var. <i>backebergii</i> F.Ritter wfo--0000691699 | 144 |
| <i>Ferocactus viridescens</i> var. <i>viridescens</i> wfo--0001262066 | 143 | <i>Frailea asterioides</i> var. <i>harmoniana</i> F.Ritter wfo--0000691700 | 144 |
| <i>Ferocactus viscaianensis</i> H.E.Gates wfo--0000686388 .. | 139 | <i>Frailea asterioides</i> Werderm. wfo--0000691698 | 144 |
| <i>Ferocactus whipplei</i> (Engelm. & J.M.Bigelow) N.P.Taylor wfo--0000686389 | 340 | <i>Frailea atrobella</i> Diers, Krahn & R.Vásquez wfo--0000749308 | 145 |
| <i>Ferocactus wislizeni</i> (Engelm.) Britton & Rose wfo--0000686390 | 136, 143 | <i>Frailea aurea</i> Backeb. wfo--0000691701 | 146 |
| <i>Ferocactus wislizeni</i> subsp. <i>ajoensis</i> Fendl & Kalas wfo--0001430986 | 143 | <i>Frailea aureinitens</i> Buining & Brederoo wfo--0000691702 | 146 |
| <i>Ferocactus wislizeni</i> subsp. <i>herreriae</i> (J.G.Ortega) Pilbeam & Bowdery wfo--0000686393 | 140 | <i>Frailea aureispina</i> F.Ritter wfo--0000691704 | 146 |
| <i>Ferocactus wislizeni</i> subsp. <i>tiburonensis</i> (G.E.Linds.) Pilbeam & Bowdery wfo--0000686396 | 142 | <i>Frailea aureispina</i> var. <i>pallidior</i> F.Ritter wfo--0000691705 | 146 |
| <i>Ferocactus wislizeni</i> var. <i>ajoensis</i> Fendl & Kalas wfo--0001430987 | 143 | <i>Frailea</i> Britton & Rose wfo--4000015001 | 143 |
| <i>Ferocactus wislizeni</i> var. <i>albispinus</i> (Toumey) Y.Itô wfo--0000686391 | 143 | <i>Frailea bruchii</i> Speg. wfo--0000691706 | 151 |
| <i>Ferocactus wislizeni</i> var. <i>falconeri</i> (Orcutt) Y.Itô wfo--0001430988 | 143 | <i>Frailea buenekeri</i> subsp. <i>buenekeri</i> wfo--0001254381 | 144 |
| <i>Ferocactus wislizeni</i> var. <i>herreriae</i> (J.G.Ortega) N.P.Taylor wfo--0000686392 | 140 | <i>Frailea buenekeri</i> subsp. <i>densispina</i> Hofacker & K.Herm wfo--0000691708 | 144 |
| <i>Ferocactus wislizeni</i> var. <i>phoeniceus</i> (R.E.Kunze) Y.Itô wfo--0000686394 | 143 | <i>Frailea buenekeri</i> W.R.Abraham wfo--0000691707 | 144 |
| <i>Ferocactus wislizeni</i> var. <i>tiburonensis</i> G.E.Linds. wfo--0000686395 | 142 | <i>Frailea buiningiana</i> f. <i>gracilispina</i> Prestlé wfo--0000691710 | 145 |
| <i>Ferocactus wislizeni</i> var. <i>wislizeni</i> wfo--0001289548 .. | 143 | <i>Frailea buiningiana</i> Prestlé wfo--0000691709 | 145 |
| <i>Ferocactus wrightiae</i> (L.D.Benson) N.P.Taylor wfo--0000686398 | 340 | <i>Frailea caespitosa</i> (Speg.) Britton & Rose wfo--0000691711 | 281 |
| <i>Ficindica</i> St.-Lag. wfo--4000042524 | 256 | <i>Frailea carminifilamentosa</i> Kilian wfo--0000691712 .. | 145 |
| <i>Floresia</i> Krainz & F.Ritter ex Backeb. wfo--4000042606 | 162 | <i>Frailea carminifilamentosa</i> var. <i>winkelmanniana</i> Kilian ex Backeb. wfo--0000691713 | 145 |
| | | <i>Frailea castanea</i> Backeb. wfo--0000691715 | 144 |
| | | <i>Frailea castanea</i> subsp. <i>harmoniana</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691716 | 144 |
| | | <i>Frailea castanea</i> subvar. <i>spinosior</i> (F.Ritter) Prestlé wfo--0001430990 | 147 |
| | | <i>Frailea castanea</i> var. <i>perumbilicata</i> (F.Ritter) Prestlé wfo--0000691717 | 147 |
| | | <i>Frailea cataphracta</i> (Dams) Britton & Rose wfo--0000691718 | 143, 144 |
| | | <i>Frailea cataphracta</i> subsp. <i>duchii</i> (G.Moser) P.J.Braun & Esteves wfo--0000691720 | 144 |
| | | <i>Frailea cataphracta</i> subsp. <i>melitae</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000691721 | 144 |
| | | <i>Frailea cataphracta</i> subsp. <i>tuyensis</i> (Buining & G.Moser) P.J.Braun & Esteves wfo--0000691723 | 146 |
| | | <i>Frailea cataphracta</i> var. <i>duchii</i> G.Moser wfo--0000691719 | 144 |

| | | | |
|---|-----|--|-----|
| <i>Frailea cataphracta</i> var. <i>tuyensis</i> Buining & G.Moser wfo--0000691722..... | 146 | <i>Frailea odieri</i> (Lem. ex Salm-Dyck) Speg. wfo--0000691761..... | 122 |
| <i>Frailea cataphractoides</i> Backeb. wfo--0000691725..... | 144 | <i>Frailea perbella</i> Prestlé wfo--0000691762..... | 145 |
| <i>Frailea chiquitana</i> Cárdenas wfo--0000691726..... | 144 | <i>Frailea perumbilicata</i> F.Ritter wfo--0000691763..... | 147 |
| <i>Frailea chrysacantha</i> Hrabě wfo--0000691727..... | 145 | <i>Frailea perumbilicata</i> var. <i>spiniosior</i> F.Ritter wfo--0000691764..... | 147 |
| <i>Frailea colombiana</i> (Werderm.) Backeb. wfo--0000691728..... | 145 | <i>Frailea phaeodisca</i> (Speg.) Backeb. & F.M.Knuth wfo--0000691765..... | 145 |
| <i>Frailea conceptionensis</i> Buining & G.Moser wfo--0000691729..... | 147 | <i>Frailea piltzii</i> C.A.L.Bercht & Schädlich wfo--0001434790..... | 147 |
| <i>Frailea curvispina</i> Buining & Brederoo wfo--0000691730..... | 144 | <i>Frailea pseudogracillima</i> F.Ritter wfo--0000691766..... | 145 |
| <i>Frailea dadakii</i> Frič ex A.Berger wfo--0000691731..... | 146 | <i>Frailea pseudopulcherrima</i> Y.Itô wfo--0000691767..... | 146 |
| <i>Frailea deminuta</i> Buining & Brederoo wfo--0000691732..... | 145 | <i>Frailea pulcherrima</i> (Arechav.) Speg. wfo--0000691768..... | 146 |
| <i>Frailea densispina</i> (Hofacker & K.Herm) N.Gerloff wfo--0000691733..... | 144 | <i>Frailea pullispina</i> Backeb. wfo--0000691770..... | 144 |
| <i>Frailea diersiana</i> Schädlich wfo--0001430991..... | 144 | <i>Frailea pullispina</i> var. <i>atrispina</i> Backeb. wfo--0000691771..... | 144 |
| <i>Frailea erythracantha</i> R.Pontes, A.S.Oliveira & Deble wfo--0001430992..... | 144 | <i>Frailea pullispina</i> var. <i>centrispina</i> Backeb. wfo--0000691772..... | 144 |
| <i>Frailea friedrichii</i> Buining & G.Moser wfo--0000691734..... | 147 | <i>Frailea pumila</i> (Lem.) Britton & Rose wfo--0000691773..... | 145 |
| <i>Frailea fulviseta</i> Buining & Brederoo wfo--0000691737..... | 144 | <i>Frailea pumila</i> subsp. <i>albiareolata</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000691774..... | 145 |
| <i>Frailea gracillima</i> (Lem.) Britton & Rose wfo--0000691738..... | 144 | <i>Frailea pumila</i> subsp. <i>colombiana</i> (Werderm.) Prestlé wfo--0000691775..... | 145 |
| <i>Frailea gracillima</i> f. <i>lepida</i> (Buining & Brederoo) Hofacker & Berka wfo--0000691743..... | 145 | <i>Frailea pumila</i> subsp. <i>deminuta</i> (Buining & Brederoo) Prestlé wfo--0000691776..... | 145 |
| <i>Frailea gracillima</i> subsp. <i>alacriportana</i> (Backeb. & Voll) N.Gerloff wfo--0000691739..... | 145 | <i>Frailea pumila</i> subsp. <i>hlineckiana</i> (Červinka) Prestlé wfo--0000691777..... | 145 |
| <i>Frailea gracillima</i> subsp. <i>albifusca</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691740..... | 145 | <i>Frailea pumila</i> subsp. <i>jajoiana</i> (Červinka) Prestlé wfo--0000691778..... | 145 |
| <i>Frailea gracillima</i> subsp. <i>gracillima</i> wfo--0001254380..... | 145 | <i>Frailea pumila</i> subsp. <i>maior</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691781..... | 145 |
| <i>Frailea gracillima</i> subsp. <i>horstii</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691742..... | 145 | <i>Frailea pumila</i> var. <i>maior</i> F.Ritter wfo--0000691779..... | 145 |
| <i>Frailea gracillima</i> var. <i>fecotrigensis</i> (Prestlé) Berka wfo--0000691741..... | 145 | <i>Frailea pygmaea</i> (Speg.) Britton & Rose wfo--0000691782..... | 146 |
| <i>Frailea grahliana</i> (F.Haage ex K.Schum.) Britton & Rose wfo--0000691744..... | 146 | <i>Frailea pygmaea</i> subsp. <i>albicolumnaris</i> (F.Ritter) Hofacker wfo--0000691783..... | 146 |
| <i>Frailea grahliana</i> subsp. <i>moseriana</i> (Buining & Brederoo) Prestlé wfo--0000691745..... | 147 | <i>Frailea pygmaea</i> subsp. <i>altigibbera</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691785..... | 146 |
| <i>Frailea hlineckyana</i> Červinka wfo--0000691746..... | 145 | <i>Frailea pygmaea</i> subsp. <i>asperispina</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691786..... | 146 |
| <i>Frailea horstii</i> F.Ritter wfo--0000691748..... | 145 | <i>Frailea pygmaea</i> subsp. <i>aureinitens</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000691789..... | 146 |
| <i>Frailea horstii</i> subsp. <i>fecotrigensis</i> Prestlé wfo--0000691749..... | 145 | <i>Frailea pygmaea</i> subsp. <i>aureispina</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691790..... | 146 |
| <i>Frailea ignacionensis</i> Buining & G.Moser wfo--0000691750..... | 147 | <i>Frailea pygmaea</i> subsp. <i>fulviseta</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000691794..... | 144 |
| <i>Frailea jajoiana</i> Červinka wfo--0000691751..... | 145 | <i>Frailea pygmaea</i> subsp. <i>lilalunula</i> (F.Ritter) P.J.Braun & Esteves wfo--0000691796..... | 146 |
| <i>Frailea knippeliana</i> (Quehl) Britton & Rose wfo--0000691752..... | 145 | <i>Frailea pygmaea</i> subsp. <i>pygmaea</i> wfo--0001254383..... | 146 |
| <i>Frailea laeae</i> R.Vásquez wfo--0000691753..... | 145 | <i>Frailea pygmaea</i> subsp. <i>tuyensis</i> (Buining & G.Moser) Metzging wfo--0000507291..... | 146 |
| <i>Frailea lepida</i> Buining & Brederoo wfo--0000691754..... | 145 | <i>Frailea pygmaea</i> var. <i>altigibbera</i> F.Ritter wfo--0000691784..... | 146 |
| <i>Frailea magnifica</i> Buining ex Prestlé wfo--0000691755..... | 145 | <i>Frailea pygmaea</i> var. <i>atrofusca</i> Backeb. wfo--0000691787..... | 146 |
| <i>Frailea mammifera</i> Buining & Brederoo wfo--0000691756..... | 145 | <i>Frailea pygmaea</i> var. <i>aurea</i> (Backeb.) Backeb. wfo--0000691788..... | 146 |
| <i>Frailea mammifera</i> subsp. <i>angelesiae</i> R.Kiesling & Metzging wfo--0001430993..... | 145 | <i>Frailea pygmaea</i> var. <i>aureinitens</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001257766..... | 146 |
| <i>Frailea mammifera</i> subsp. <i>mammifera</i> wfo--0001434789..... | 145 | <i>Frailea pygmaea</i> var. <i>curvispina</i> F.Ritter wfo--0000691792..... | 146 |
| <i>Frailea matoana</i> Buining & Brederoo wfo--0000691757..... | 144 | | |
| <i>Frailea melitae</i> Buining & Brederoo wfo--0000691759..... | 144 | | |
| <i>Frailea moseriana</i> Buining & Brederoo wfo--0000691760..... | 147 | | |

| | | | |
|---|----------|---|----------|
| <i>Frailea pygmaea</i> var. <i>dadakii</i> (Frič ex A.Berger) Backeb. wfo---0000691793..... | 146 | <i>Glandulicereus chacalapensis</i> (Bravo & T.MacDoug.) Guiggi wfo---0001430995..... | 356 |
| <i>Frailea pygmaea</i> var. <i>lilalunula</i> F.Ritter wfo---0000691795..... | 146 | <i>Glandulicereus chryscarpus</i> (Sánchez-Mej.) Guiggi wfo--- 0001430996..... | 356 |
| <i>Frailea pygmaea</i> var. <i>longispina</i> F.Ritter wfo---0000691797 | 146 | <i>Glandulicereus</i> Guiggi wfo---4000042566..... | 355 |
| <i>Frailea pygmaea</i> var. <i>maior</i> F.Ritter wfo---0000691798 | 146 | <i>Glandulicereus martinezii</i> (J.G.Ortega) Guiggi wfo--- 0001430997..... | 358 |
| <i>Frailea pygmaea</i> var. <i>phaeodisca</i> (Speg.) Y.Itô wfo--- 0000691799..... | 145 | <i>Glandulicereus montanus</i> (Britton & Rose) Guiggi wfo--- 0001430998..... | 358 |
| <i>Frailea pygmaea</i> var. <i>planicosta</i> F.Ritter wfo---0000691800 | 146 | <i>Glandulicereus queretaroensis</i> (F.A.C.Weber ex Mathsson) Guiggi wfo---0001430999..... | 358 |
| <i>Frailea pygmaea</i> var. <i>pulcherrima</i> (Arechav.) Prestlé wfo--- 0000691801..... | 146 | <i>Glandulicereus quevedonis</i> (J.G.Ortega) Guiggi wfo--- 0001431000..... | 358 |
| <i>Frailea schilinzkyana</i> (F.Haage) Britton & Rose wfo--- 0000691803..... | 146 | <i>Glandulicereus thurberi</i> (Engelm.) Guiggi wfo--- 0001431001..... | 355, 359 |
| <i>Frailea schilinzkyana</i> subsp. <i>concepcionensis</i> (Buining & G.Moser) P.J.Braun & Esteves wfo---0000691804..... | 147 | <i>Glandulicereus thurberi</i> subsp. <i>littoralis</i> (K.Brandegee) Guiggi wfo---0001431002..... | 359 |
| <i>Frailea schilinzkyana</i> subsp. <i>matoana</i> (Buining & Brederoo) Berka wfo---0000691805..... | 144 | <i>Glandulifera clava</i> (Pfeiff.) Frič wfo---0000703485..... | 65 |
| <i>Frailea schilinzkyana</i> subsp. <i>schilinzkyana</i> wfo--- 0001434791..... | 147 | <i>Glandulifera erecta</i> (Lem. ex Pfeiff.) Frič wfo---0000703486 | 64 |
| <i>Frailea stockingeri</i> Prestlé wfo---0000691806..... | 144 | <i>Glandulifera</i> Frič wfo---4000015701..... | 61 |
| <i>Frailea tuiyensis</i> Buining & G.Moser wfo---0001257763 | 146 | <i>Griseocactus fimbriatus</i> (Lam.) Guiggi wfo---0001431003 | 355, 357 |
| <i>Frailea tuiyensis</i> (Buining & G.Moser) P.J.Braun & Esteves wfo---0001257762..... | 146 | <i>Griseocactus fricii</i> (Sánchez-Mej.) Guiggi wfo---0001431004 | 356 |
| <i>Frailea uhligiana</i> Backeb. wfo---0000691807..... | 144 | <i>Griseocactus griseus</i> (Haw.) Guiggi wfo---0001431005 . | 356 |
| <i>Frailea ybatense</i> Buining & G.Moser wfo---0000691808 | 147 | <i>Griseocactus</i> Guiggi wfo---4000042720..... | 355 |
| <i>Friesia</i> Frič ex Kreuz. wfo---4000015059..... | 112 | <i>Griseocactus pruinosus</i> (Otto ex Pfeiff.) Guiggi wfo--- 0001431006..... | 358 |
| <i>Friesia umadeave</i> Frič ex Kreuz. wfo---0000692483..... | 127 | <i>Griseocereus fimbriatus</i> (Lam.) Guiggi wfo---0001431007 | 355, 357 |
| <i>Furiolobivia ducis-pauli</i> (C.F.Först.) Y.Itô wfo---0000693577 | 80 | <i>Griseocereus fricii</i> (Sánchez-Mej.) Guiggi wfo--- 0001431008..... | 356 |
| <i>Furiolobivia ferox</i> (Britton & Rose) Y.Itô wfo---0000693578 | 184 | <i>Griseocereus griseus</i> (Haw.) Guiggi wfo---0001431009 . | 356 |
| <i>Furiolobivia longispina</i> (Britton & Rose) Y.Itô wfo--- 0000693579..... | 184 | <i>Griseocereus</i> Guiggi wfo---4000042620..... | 355 |
| <i>Furiolobivia nigra</i> (Backeb.) Y.Itô wfo---0000693581..... | 184 | <i>Griseocereus pruinosus</i> (Otto ex Pfeiff.) Guiggi wfo--- 0001431010..... | 358 |
| <i>Furiolobivia potosina</i> (Werderm.) Y.Itô wfo---0000693582 | 184 | <i>Grusonia xcongesta</i> (Griffiths) G.D.Rowley wfo--- 0000509384..... | 76 |
| <i>Furiolobivia</i> Y.Itô wfo---4000015139..... | 103 | <i>Grusonia xdeserta</i> (Griffiths) G.D.Rowley wfo--- 0000509386..... | 74 |
| <i>Geohintonia</i> Glass & W.A.Fitz Maur. wfo---4000015532 | 147 | <i>Grusonia xfosbergii</i> (C.B.Wolf) G.D.Rowley wfo--- 0000509389..... | 75 |
| <i>Geohintonia mexicana</i> Glass & W.A.Fitz Maur. wfo--- 0000699728..... | 147 | <i>Grusonia xkelvinensis</i> (V.E.Grant & K.A.Grant) G.D.Rowley wfo---0000509396..... | 76 |
| <i>Gerocephalus dybowskii</i> (Rol.-Goss.) F.Ritter wfo--- 0000702067..... | 135 | <i>Grusonia xneoarbuscula</i> (Griffiths) G.D.Rowley wfo--- 0000509402..... | 73 |
| <i>Gerocephalus</i> F.Ritter wfo---4000015577..... | 134 | <i>Grusonia xtetracantha</i> (Toumey) G.D.Rowley wfo--- 0000509413..... | 76 |
| <i>Glandulicactus</i> Backeb. wfo---4000015700..... | 136 | <i>Grusonia xviridiflora</i> (Britton & Rose) G.D.Rowley wfo--- 0000509419..... | 79 |
| <i>Glandulicactus crassihamatus</i> (F.A.C.Weber) Backeb. wfo-- -0000703479..... | 141 | <i>Grusonia xvivipara</i> (Rose) G.D.Rowley wfo---0000509420 | 73 |
| <i>Glandulicactus mathssonii</i> (Berge ex K.Schum.) D.J.Ferguson wfo---0000703480..... | 141 | <i>Grusonia abyssii</i> (Hester) G.D.Rowley wfo---0000509371 | 72 |
| <i>Glandulicactus mathssonii</i> (Berge ex K.Schum.) Wozniak wfo---0001254426..... | 141 | <i>Grusonia acanthocarpa</i> (Engelm. & J.M.Bigelow) G.D.Rowley wfo---0000509373..... | 72 |
| <i>Glandulicactus uncinatus</i> (Galeotti ex Pfeiff.) Backeb. wfo-- -0000703481..... | 136, 143 | <i>Grusonia aggeria</i> (Ralston & Hilsenb.) E.F.Anderson wfo--- 0000710631..... | 147 |
| <i>Glandulicactus uncinatus</i> subsp. <i>uncinatus</i> wfo--- 0001286194..... | 143 | <i>Grusonia agglomerata</i> (A.Berger) E.F.Anderson wfo--- 0000710632..... | 147 |
| <i>Glandulicactus uncinatus</i> subsp. <i>wrightii</i> (Engelm.) U.Guzmán wfo---0000703482..... | 143 | <i>Grusonia alcahes</i> (F.A.C.Weber) G.D.Rowley wfo--- 0000509374..... | 73 |
| <i>Glandulicactus uncinatus</i> var. <i>wrightii</i> (Engelm.) Backeb. wfo---0001430994..... | 143 | | |
| <i>Glandulicactus wrightii</i> (Engelm.) D.J.Ferguson wfo--- 0000703483..... | 143 | | |

| | | | |
|---|-----|---|-----|
| <i>Grusonia anteojoensis</i> (Pinkava) G.D.Rowley wfo--- 0000509375..... | 73 | <i>Grusonia leptocaulis</i> (DC.) G.D.Rowley wfo---0000509398 | 76 |
| <i>Grusonia aquosa</i> (F.A.C.Weber) G.D.Rowley wfo--- 0000509376..... | 305 | <i>Grusonia lindsayi</i> (Rebman) G.D.Rowley wfo---0000509399 | 77 |
| <i>Grusonia arbuscula</i> (Engelm.) G.D.Rowley wfo--- 0000509377..... | 73 | <i>Grusonia marenae</i> (S.H.Parsons) E.F.Anderson wfo--- 0000710644..... | 148 |
| <i>Grusonia bigelovii</i> (Engelm.) G.D.Rowley wfo--- 0000509378..... | 73 | <i>Grusonia moelleri</i> (A.Berger) E.F.Anderson wfo--- 0000710645..... | 148 |
| <i>Grusonia blakeana</i> (J.G.Ortega) G.D.Rowley wfo--- 0000509379..... | 305 | <i>Grusonia molesta</i> (Brandege) G.D.Rowley wfo--- 0000509400..... | 77 |
| <i>Grusonia bradtiana</i> (J.M.Coult.) Britton & Rose wfo--- 0000710633..... | 147 | <i>Grusonia munzii</i> (C.B.Wolf) G.D.Rowley wfo---0000509401 | 77 |
| <i>Grusonia bulbispina</i> (Engelm.) H.Rob. wfo---0000710634 | 147 | <i>Grusonia parishii</i> (Orcutt) Pinkava wfo---0000710646... 149 | |
| <i>Grusonia bulbispina</i> subsp. <i>basileocephala</i> (D.Donati) Majure, M.A.Baker & Cloud-H. wfo---0001431011 ... | 148 | <i>Grusonia parishiorum</i> (Orcutt ex Britton & Rose) Pinkava wfo---0001431017..... | 149 |
| <i>Grusonia bulbispina</i> subsp. <i>bulbispina</i> wfo---0001431012 | 148 | <i>Grusonia porteri</i> (Brandege ex F.A.C.Weber) G.D.Rowley wfo---0000509403..... | 305 |
| <i>Grusonia californica</i> (Torr. & A.Gray) G.D.Rowley wfo--- 0000509380..... | 74 | <i>Grusonia prolifera</i> (Engelm.) G.D.Rowley wfo--- 0000509404..... | 78 |
| <i>Grusonia caribaea</i> (Britton & Rose) G.D.Rowley wfo--- 0000509381..... | 74 | <i>Grusonia pulchella</i> (Engelm.) H.Rob. wfo---0000710647 252 | |
| <i>Grusonia cereiformis</i> K.Schum. wfo---0000710635..... | 147 | <i>Grusonia ramosissima</i> (Engelm.) G.D.Rowley wfo--- 0000509407..... | 78 |
| <i>Grusonia cholla</i> (F.A.C.Weber) G.D.Rowley wfo--- 0000509382..... | 74 | <i>Grusonia reflexispina</i> (Wiggins & Rollins) E.F.Anderson wfo---0000710648..... | 149 |
| <i>Grusonia clavata</i> (Engelm.) H.Rob. wfo---0000710636... 148 | | <i>Grusonia robertsii</i> Rebman wfo---0000507335..... | 149 |
| <i>Grusonia davisii</i> (Engelm. & J.M.Bigelow) G.D.Rowley wfo-- -0000509385..... | 74 | <i>Grusonia rosea</i> (DC.) G.D.Rowley wfo---0000509408..... | 76 |
| <i>Grusonia deinacantha</i> (D.Donati) Majure, M.A.Baker & Cloud-H. wfo---0001431013..... | 148 | <i>Grusonia rotundifolia</i> (DC.) G.D.Rowley wfo---0000509409 | 306 |
| <i>Grusonia densispina</i> (Ralston & Hilsenb.) Pinkava wfo--- 0001264670..... | 148 | <i>Grusonia sanfelipensis</i> (Rebman) G.D.Rowley wfo--- 0000509410..... | 78 |
| <i>Grusonia diguetii</i> (F.A.C.Weber) G.D.Rowley wfo--- 0000509387..... | 305 | <i>Grusonia santamaria</i> E.M.Baxter wfo---0000710649..... | 78 |
| <i>Grusonia dumetorum</i> (A.Berger) E.F.Anderson wfo--- 0000710637..... | 271 | <i>Grusonia schottii</i> (Engelm.) H.Rob. wfo---0000710651.. 149 | |
| <i>Grusonia echinocarpa</i> (Engelm. & J.M.Bigelow) G.D.Rowley wfo---0000509388..... | 74 | <i>Grusonia spinosior</i> (Engelm.) G.D.Rowley wfo--- 0000509411..... | 76 |
| <i>Grusonia emoryi</i> (Engelm.) Pinkava wfo---0000710638... 148 | | <i>Grusonia stanlyi</i> (Engelm.) H.Rob. wfo---0000710652... 148 | |
| <i>Grusonia F.Rchb. ex Britton & Rose</i> wfo---4000016279... 147 | | <i>Grusonia subg. Micropuntia</i> (Daston) Stuppy wfo--- 3500004046..... | 252 |
| <i>Grusonia fulgida</i> (Engelm.) G.D.Rowley wfo---0000509390 | 75 | <i>Grusonia tesajo</i> (Engelm. ex J.M.Coult.) G.D.Rowley wfo--- 0000509412..... | 78 |
| <i>Grusonia ganderi</i> (C.B.Wolf) G.D.Rowley wfo--- 0000509391..... | 75 | <i>Grusonia thurberi</i> (Engelm.) G.D.Rowley wfo---0000509414 | 78 |
| <i>Grusonia grahamii</i> (Engelm.) H.Rob. wfo---0000710640 148 | | <i>Grusonia tunicata</i> (Lehm.) G.D.Rowley wfo---0000509415 | 78 |
| <i>Grusonia guccinii</i> (D.Donati) Bárcenas & H.M.Hern. wfo--- 0001431014..... | 148 | <i>Grusonia versicolor</i> (Engelm. ex Toumey) G.D.Rowley wfo-- -0000509416..... | 78 |
| <i>Grusonia halophila</i> (D.Donati) Majure, M.A.Baker & Cloud- H. wfo---0001431015..... | 148 | <i>Grusonia verticillata</i> (Vaupel) G.D.Rowley wfo--- 0000509418..... | 319 |
| <i>Grusonia hamiltonii</i> H.E.Gates ex Backeb. wfo--- 0001431016..... | 74 | <i>Grusonia vilis</i> (Rose) H.Rob. wfo---0000710653..... | 149 |
| <i>Grusonia hamiltonii</i> W.T.Marshall wfo---0000710641..... | 74 | <i>Grusonia whipplei</i> (Engelm. & J.M.Bigelow) G.D.Rowley wfo---0000509421..... | 79 |
| <i>Grusonia hystrix</i> (Griseb.) G.D.Rowley wfo---0000509392 75 | | <i>Grusonia wolfii</i> (L.D.Benson) G.D.Rowley wfo--- 0000509422..... | 79 |
| <i>Grusonia imbricata</i> (Haw.) G.D.Rowley wfo---0000509393 | 75 | <i>Grusonia wrightiana</i> E.M.Baxter wfo---0000710654..... | 149 |
| <i>Grusonia invicta</i> (K.Brandege) E.F.Anderson wfo--- 0000710642..... | 148 | <i>Grusonia zehntneri</i> (Britton & Rose) G.D.Rowley wfo--- 0000509423..... | 319 |
| <i>Grusonia kellermanii</i> (Rose) G.D.Rowley wfo---0000509395 | 305 | <i>Gymnantha cumingii</i> (Hopffer) Y.Itô wfo---0000712176 384 | |
| <i>Grusonia kleiniae</i> (DC.) G.D.Rowley wfo---0000509397... 76 | | <i>Gymnantha Y.Itô</i> wfo---4000016430..... | 321 |
| <i>Grusonia kunzei</i> (Rose) Pinkava wfo---0000710643..... | 148 | <i>Gymnanthocereus altissimus</i> F.Ritter wfo---0000712187 34 | |
| | | <i>Gymnanthocereus amstutziae</i> (Rauh & Backeb.) Guiggi wfo---0001431018..... | 34 |
| | | <i>Gymnanthocereus</i> Backeb. wfo---4000016439..... | 34 |

| | | | |
|--|----------|--|-----|
| <i>Gymnanthocereus chlorocarpus</i> (Kunth) Backeb. wfo-- 0000712188..... | 34 | <i>Gymnocalycium xpazoutianum</i> Halda wfo--0000712606 | 159 |
| <i>Gymnanthocereus hernandezii</i> (Fern.Alonso) Guiggi wfo-- 0001431019..... | 34 | <i>Gymnocalycium achirasense</i> H.Till & Schatzl wfo-- 0000712344..... | 157 |
| <i>Gymnanthocereus macracanthus</i> F.Ritter wfo-- 0000712189..... | 34 | <i>Gymnocalycium achirasense</i> subsp. <i>chacrasense</i> (Neuhuber) Neuhuber & V.Gapon wfo--0001431023157 | 157 |
| <i>Gymnanthocereus microspermus</i> (Werderm. & Backeb.) Backeb. wfo--0000712190..... | 34 | <i>Gymnocalycium achirasense</i> subsp. <i>echinatum</i> (Neuhuber) V.Gapon wfo--0001431024..... | 157 |
| <i>Gymnanthocereus pilleifer</i> F.Ritter wfo--0000712191..... | 35 | <i>Gymnocalycium achirasense</i> subsp. <i>kainradliae</i> (Neuhuber) V.Gapon wfo--0001431025..... | 157 |
| <i>Gymnocactus aguirreanus</i> Glass & R.A.Foster wfo-- 0000712318..... | 6 | <i>Gymnocalycium achirasense</i> var. <i>chacrasense</i> (Neuhuber) V.Gapon wfo--0001431026..... | 157 |
| <i>Gymnocactus</i> Backeb. wfo--4000016451..... | 370 | <i>Gymnocalycium achirasense</i> var. <i>orientale</i> (Neuhuber) V.Gapon wfo--0001431027..... | 157 |
| <i>Gymnocactus beguinii</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo--0000712319..... | 337 | <i>Gymnocalycium achirasense</i> var. <i>villamercedense</i> (H.Till & Neuhuber) V.Gapon wfo--0001431028..... | 156 |
| <i>Gymnocactus beguinii</i> var. <i>smithii</i> (Muehlenpf.) Backeb. wfo--0000712320..... | 365 | <i>Gymnocalycium acorrugatum</i> J.G.Lamb. wfo--0000712345 | 152 |
| <i>Gymnocactus conothelos</i> (Regel & Klein bis) Backeb. wfo-- 0000712322..... | 365 | <i>Gymnocalycium affine</i> Řepka wfo--0000749352..... | 161 |
| <i>Gymnocactus gielsdorfianus</i> (Werderm.) Backeb. wfo-- 0000712323..... | 372 | <i>Gymnocalycium albispinum</i> Backeb. wfo--0000712346..... | 151 |
| <i>Gymnocactus goldii</i> (Bravo) Y.Itô wfo--0000712324..... | 415 | <i>Gymnocalycium alboareolatum</i> Rausch wfo--0000712347 | 149 |
| <i>Gymnocactus horripilus</i> (Lem. ex C.F.Först.) Backeb. wfo-- 0000712325..... | 172 | <i>Gymnocalycium alboareolatum</i> var. <i>ramosum</i> Rausch wfo-- 0000712348..... | 149 |
| <i>Gymnocactus horripilus</i> subsp. <i>kvetae</i> Chvastek & Halda wfo--0001431020..... | 172 | <i>Gymnocalycium alenae</i> Kulhánek wfo--0001431029..... | 161 |
| <i>Gymnocactus knuthianus</i> (Boed.) Backeb. wfo-- 0000712326..... | 372 | <i>Gymnocalycium ambatoense</i> Piltz wfo--0000712349..... | 158 |
| <i>Gymnocactus mandragora</i> (Frič ex A.Berger) Backeb. wfo-- 0000712327..... | 320 | <i>Gymnocalycium ambatoense</i> subsp. <i>plesnikii</i> Halda & Milt wfo--0000507362..... | 158 |
| <i>Gymnocactus ourselianum</i> (Monv.) Y.Itô wfo-- 0000712328..... | 415 | <i>Gymnocalycium amerhauseri</i> H.Till wfo--0000712350..... | 149 |
| <i>Gymnocactus roseanus</i> (Boed.) Glass & R.A.Foster wfo-- 0000712329..... | 6 | <i>Gymnocalycium amerhauseri</i> subsp. <i>altagraciense</i> H.Till & Amerh. wfo--0000509428..... | 149 |
| <i>Gymnocactus roseiflorus</i> G.Frank wfo--0000712330..... | 415 | <i>Gymnocalycium amoenum</i> (H.Till) J.G.Lamb. wfo-- 0000712351..... | 152 |
| <i>Gymnocactus saueri</i> (Boed.) Backeb. wfo--0000712333 | 370, 373 | <i>Gymnocalycium andreae</i> (Boed.) Backeb. & F.M.Knuth wfo--0000712353..... | 149 |
| <i>Gymnocactus saussieri</i> (F.A.C.Weber) Backeb. wfo-- 0000712334..... | 365 | <i>Gymnocalycium andreae</i> f. <i>svecianum</i> Pazout ex W.Till wfo--0000712359..... | 151 |
| <i>Gymnocactus subterraneus</i> (Backeb.) Fritz Schwarz wfo-- 0000712335..... | 320 | <i>Gymnocalycium andreae</i> subsp. <i>carolinense</i> Neuhuber wfo--0000712354..... | 152 |
| <i>Gymnocactus subterraneus</i> var. <i>zaragosae</i> Glass & R.A.Foster wfo--0000712336..... | 320 | <i>Gymnocalycium andreae</i> subsp. <i>matznetteri</i> Rausch wfo-- 0000712358..... | 149 |
| <i>Gymnocactus valdezianus</i> (H.Moeller) Backeb. wfo-- 0000712337..... | 375 | <i>Gymnocalycium andreae</i> subsp. <i>pabloi</i> Neuhuber wfo-- 0001431030..... | 149 |
| <i>Gymnocactus valdezianus</i> var. <i>albiflorus</i> (Pazout) Backeb. wfo--0000712338..... | 375 | <i>Gymnocalycium andreae</i> var. <i>fechseri</i> H.Till wfo-- 0000712355..... | 149 |
| <i>Gymnocactus viereckii</i> (Werderm.) Backeb. wfo-- 0000712339..... | 375 | <i>Gymnocalycium andreae</i> var. <i>grandiflorum</i> Krainz wfo-- 0000712356..... | 149 |
| <i>Gymnocactus viereckii</i> subsp. <i>major</i> (Glass & R.A.Foster) Doweld wfo--0000712341..... | 376 | <i>Gymnocalycium andreae</i> var. <i>longispinum</i> Rausch wfo-- 0000712357..... | 149 |
| <i>Gymnocactus viereckii</i> var. <i>major</i> Glass & R.A.Foster wfo-- 0000712340..... | 376 | <i>Gymnocalycium andreae</i> var. <i>svecianum</i> Pazout wfo-- 0001431031..... | 151 |
| <i>Gymnocactus ysabelae</i> (Schlange) Backeb. wfo-- 0000712342..... | 376 | <i>Gymnocalycium angelae</i> Mereg. wfo--0000712360..... | 150 |
| <i>Gymnocactus ysabelae</i> var. <i>brevispinus</i> (Schlange) Backeb. wfo--0001431021..... | 376 | <i>Gymnocalycium anisitsii</i> (K.Schum.) Britton & Rose wfo-- 0000712361..... | 150 |
| <i>Gymnocalycium xheidiae</i> Neuhuber wfo--0000712484..... | 154 | <i>Gymnocalycium anisitsii</i> subsp. <i>anisitsii</i> wfo--0001434793 | 150 |
| <i>Gymnocalycium x incurvatispinum</i> (Sperling & Strub) Řepka wfo--0001434792..... | 161 | <i>Gymnocalycium anisitsii</i> subsp. <i>damsii</i> (K.Schum.) G.J.Charles wfo--0000712363..... | 150 |
| <i>Gymnocalycium x momo</i> V.Gapon & Schelkun. wfo-- 0001431022..... | 156 | <i>Gymnocalycium anisitsii</i> subsp. <i>holdii</i> Amerh. wfo-- 0001431032..... | 156 |
| | | <i>Gymnocalycium anisitsii</i> subsp. <i>multiproliferum</i> (P.J.Braun) P.J.Braun & Esteves wfo--0000712365..... | 150 |

| | | | |
|--|-----|--|-----|
| <i>Gymnocalycium anisitsii</i> subsp. <i>volkeri</i> Amerh. wfo-- 0000712368..... | 150 | <i>Gymnocalycium bruchii</i> f. <i>crystata</i> Hosseus wfo-- 0000712390..... | 151 |
| <i>Gymnocalycium anisitsii</i> var. <i>griseopallidum</i> H.Till & Amerh. wfo--0000712364..... | 150 | <i>Gymnocalycium bruchii</i> f. <i>svecianum</i> (Pazout ex W.Till) Neuhuber wfo--0000743995..... | 151 |
| <i>Gymnocalycium anisitsii</i> var. <i>pseudomalacocarpus</i> Backeb. ex H.Till & Amerh. wfo--0000712366..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>atroviride</i> Neuhuber wfo-- 0000743984..... | 151 |
| <i>Gymnocalycium anisitsii</i> var. <i>tucavocense</i> Backeb. ex H.Till & Amerh. wfo--0000712367..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>brigittae</i> (Piltz) Papsch wfo-- 0001431040..... | 151 |
| <i>Gymnocalycium antherostele</i> F.Ritter wfo--0000712369 | 161 | <i>Gymnocalycium bruchii</i> subsp. <i>carolinense</i> (Neuhuber) Papsch wfo--0001431041..... | 152 |
| <i>Gymnocalycium armatum</i> F.Ritter wfo--0000712370..... | 162 | <i>Gymnocalycium bruchii</i> subsp. <i>cumbresitense</i> Neuhuber wfo--0000743985..... | 151 |
| <i>Gymnocalycium artigas</i> Herter wfo--0000712371..... | 155 | <i>Gymnocalycium bruchii</i> subsp. <i>deminii</i> V.Gapon & Neuhuber wfo--0001431042..... | 151 |
| <i>Gymnocalycium artigas</i> var. <i>roseiflorum</i> (Y.Itô) Milt wfo-- 0001431033..... | 155 | <i>Gymnocalycium bruchii</i> subsp. <i>elegans</i> Neuhuber wfo-- 0000743986..... | 151 |
| <i>Gymnocalycium asterium</i> A.Cast. wfo--0000712373..... | 160 | <i>Gymnocalycium bruchii</i> subsp. <i>implexum</i> Neuhuber wfo-- 0000743987..... | 151 |
| <i>Gymnocalycium asterium</i> var. <i>minimum</i> Pazout wfo-- 0000712374..... | 160 | <i>Gymnocalycium bruchii</i> subsp. <i>lacumbrense</i> Neuhuber wfo--0000743988..... | 151 |
| <i>Gymnocalycium asterium</i> var. <i>paucispinum</i> Backeb. wfo-- 0000712375..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>lafaldense</i> (Vaupel) Neuhuber wfo--0000712392..... | 151 |
| <i>Gymnocalycium baldianum</i> (Speg.) Speg. wfo-- 0000712376..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>ludwigii</i> (Neuhuber) Papsch wfo--0001431043..... | 151 |
| <i>Gymnocalycium baldianum</i> subsp. <i>sanguiniflorum</i> (Werderm.) C.A.L.Bercht wfo--0001431034..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>melojeri</i> Neuhuber wfo-- 0000743989..... | 151 |
| <i>Gymnocalycium baldianum</i> var. <i>albiflorum</i> C.A.L.Bercht wfo--0000712377..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>multicostatum</i> Neuhuber wfo--0000743990..... | 151 |
| <i>Gymnocalycium baldianum</i> var. <i>raineri</i> (H.Till) Milt wfo-- 0001431035..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>pawlovskyi</i> Neuhuber wfo-- 0000712395..... | 151 |
| <i>Gymnocalycium baldianum</i> var. <i>schreiteri</i> (H.Till) Milt wfo-- 0001431036..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>renatae</i> Neuhuber wfo-- 0000743992..... | 151 |
| <i>Gymnocalycium basiatrum</i> F.Berger, Amerh. & Sedlmeier wfo--0001431037..... | 151 | <i>Gymnocalycium bruchii</i> subsp. <i>shimadae</i> Neuhuber wfo-- 0000743994..... | 151 |
| <i>Gymnocalycium bayrianum</i> H.Till wfo--0000712378..... | 150 | <i>Gymnocalycium bruchii</i> subsp. <i>susannae</i> Neuhuber wfo-- 0000712396..... | 151 |
| <i>Gymnocalycium berchtii</i> Neuhuber wfo--0000712379..... | 150 | <i>Gymnocalycium bruchii</i> var. <i>albispinum</i> (Backeb.) Milt wfo-- 0001431044..... | 151 |
| <i>Gymnocalycium berchtii</i> var. <i>nataliae</i> (Neuhuber) Milt wfo-- 0001431038..... | 150 | <i>Gymnocalycium bruchii</i> var. <i>brigittae</i> Piltz wfo-- 0000712389..... | 151 |
| <i>Gymnocalycium bicolor</i> (Řepka) V.Gapon wfo-- 0001434794..... | 158 | <i>Gymnocalycium bruchii</i> var. <i>glaucum</i> Neuhuber wfo-- 0000712391..... | 151 |
| <i>Gymnocalycium bicolor</i> Schütz wfo--0000712380..... | 158 | <i>Gymnocalycium bruchii</i> var. <i>hossei</i> Backeb. wfo-- 0001434796..... | 152 |
| <i>Gymnocalycium bicolor</i> subsp. <i>simplex</i> (Řepka) V.Gapon wfo--0001434795..... | 157 | <i>Gymnocalycium bruchii</i> var. <i>hossei</i> Backeb. wfo-- 0001434797..... | 152 |
| <i>Gymnocalycium bodenbenderianum</i> (Hosseus) A.Berger wfo--0000712381..... | 150 | <i>Gymnocalycium bruchii</i> var. <i>niveum</i> Rausch wfo-- 0000712393..... | 151 |
| <i>Gymnocalycium bodenbenderianum</i> subsp. <i>intertextum</i> (Backeb. ex H.Till) H.Till wfo--0000712382..... | 158 | <i>Gymnocalycium bruchii</i> var. <i>papschii</i> (H.Till) Milt wfo-- 0001431045..... | 153 |
| <i>Gymnocalycium borthii</i> Koop ex H.Till wfo--0001431039 | 154 | <i>Gymnocalycium bruchii</i> var. <i>rubroalabastrum</i> Neuhuber wfo--0000743993..... | 151 |
| <i>Gymnocalycium borthii</i> Koop wfo--0000712384..... | 154 | <i>Gymnocalycium buenekeri</i> Swales wfo--0000712397..... | 155 |
| <i>Gymnocalycium borthii</i> subsp. <i>kokori</i> Halda & Milt wfo-- 0000509429..... | 154 | <i>Gymnocalycium cabraeraense</i> Schädlich, Bercht & Melojer wfo--0001434798..... | 152 |
| <i>Gymnocalycium borthii</i> subsp. <i>nogolense</i> Neuhuber wfo-- 0000509430..... | 154 | <i>Gymnocalycium calochlorum</i> (Boed.) Y.Itô wfo-- 0000712398..... | 152 |
| <i>Gymnocalycium borthii</i> var. <i>viridis</i> Neuhuber wfo-- 0000509431..... | 154 | <i>Gymnocalycium calochlorum</i> var. <i>proliferum</i> (Backeb.) Backeb. wfo--0000712399..... | 152 |
| <i>Gymnocalycium bozsingianum</i> Schütz wfo--0000712385 | 152 | <i>Gymnocalycium campestre</i> Řepka wfo--0001431046..... | 161 |
| <i>Gymnocalycium brachyanthum</i> (Gürke) Britton & Rose wfo--0000712386..... | 157 | <i>Gymnocalycium capillense</i> (Schick) Hosseus wfo-- 0000712400..... | 152 |
| <i>Gymnocalycium brachypetalum</i> Speg. wfo--0000712387 | 154 | | |
| <i>Gymnocalycium bruchii</i> (Speg.) Hosseus wfo--0000712388 | 151 | | |

| | | | |
|---|-----|--|-----|
| <i>Gymnocalycium capillense</i> var. <i>gaponii</i> (Neuhuber) Milt wfo--0001431047..... | 153 | <i>Gymnocalycium chacoense</i> Amerh. wfo--0000712421. | 153 |
| <i>Gymnocalycium capillense</i> var. <i>mucidum</i> (Oehme) H.Till wfo--0000712401..... | 152 | <i>Gymnocalycium chiquitanum</i> Cárdenas wfo--0000712422..... | 153 |
| <i>Gymnocalycium capillense</i> var. <i>sigelianum</i> (Schick) H.Till wfo--0000712402..... | 152 | <i>Gymnocalycium chiquitanum</i> var. <i>hammerschmidii</i> (Backeb.) H.Till wfo--0000743996..... | 153 |
| <i>Gymnocalycium cardenasianum</i> f. <i>armatum</i> (F.Ritter) H.Till & Amerh. wfo--0000712404..... | 162 | <i>Gymnocalycium chrysacanthion</i> (K.Schum.) H.Blossf. wfo--0000712423..... | 281 |
| <i>Gymnocalycium cardenasianum</i> F.Ritter wfo--0000712403..... | 162 | <i>Gymnocalycium chubutense</i> (Speg.) Speg. wfo--0000712424..... | 154 |
| <i>Gymnocalycium cardenasianum</i> subsp. <i>armatum</i> (F. Ritter) V.Gapon & Vikulov wfo--0001434799..... | 162 | <i>Gymnocalycium chubutense</i> var. <i>dubniorum</i> (Halda & Milt) H.Till wfo--0000743997..... | 154 |
| <i>Gymnocalycium cardenasianum</i> subsp. <i>pseudoarmatum</i> V.Gapon & Vikulov wfo--0001434800..... | 162 | <i>Gymnocalycium chuquisacanum</i> Cárdenas wfo--0000712425..... | 159 |
| <i>Gymnocalycium cardenasianum</i> var. <i>pseudocrassispinum</i> Milt wfo--0001434801..... | 162 | <i>Gymnocalycium cintiense</i> (Cárdenas) Hutchison wfo--0000712426..... | 383 |
| <i>Gymnocalycium carminanthum</i> Borth & Koop wfo--0000712406..... | 158 | <i>Gymnocalycium coloradense</i> F.Berger wfo--0000507367..... | 160 |
| <i>Gymnocalycium carminanthum</i> var. <i>montanum</i> Slaba wfo--0000712407..... | 158 | <i>Gymnocalycium cumingii</i> (Hopffer) Hutchison wfo--0000712428..... | 384 |
| <i>Gymnocalycium carolinense</i> (Neuhuber) Neuhuber wfo--0000507363..... | 152 | <i>Gymnocalycium curvispinum</i> Frič wfo--0000712429..... | 158 |
| <i>Gymnocalycium carolinense</i> subsp. <i>fedjukinii</i> V.Gapon & Neuhuber wfo--0001431048..... | 151 | <i>Gymnocalycium damsii</i> (K.Schum.) Britton & Rose wfo--0000712430..... | 150 |
| <i>Gymnocalycium carolinense</i> subsp. <i>ludwigii</i> Neuhuber wfo--0001431049..... | 151 | <i>Gymnocalycium damsii</i> subsp. <i>evae</i> Halda, Horáček & Milt wfo--0000712433..... | 150 |
| <i>Gymnocalycium carolinense</i> var. <i>eltrebolense</i> Neuhuber wfo--0001431050..... | 151 | <i>Gymnocalycium damsii</i> var. <i>boosii</i> Amerh. wfo--0000712431..... | 150 |
| <i>Gymnocalycium castellanosii</i> Backeb. wfo--0000712408..... | 152 | <i>Gymnocalycium damsii</i> var. <i>centrispinum</i> Backeb. ex H.Till & Amerh. wfo--0000712432..... | 150 |
| <i>Gymnocalycium castellanosii</i> subsp. <i>acorrugatum</i> (J.G.Lamb.) R.Kiesling & Metzinger wfo--0000712409..... | 152 | <i>Gymnocalycium damsii</i> var. <i>centrispinum</i> Backeb. wfo--0001434804..... | 150 |
| <i>Gymnocalycium castellanosii</i> subsp. <i>armillatum</i> (Piltz) Papsch wfo--0000509432..... | 152 | <i>Gymnocalycium damsii</i> var. <i>multipliferum</i> P.J.Braun wfo--0000712434..... | 150 |
| <i>Gymnocalycium castellanosii</i> subsp. <i>bozsingianum</i> (Schütz) Amerh. & H.Till wfo--0000507365..... | 152 | <i>Gymnocalycium damsii</i> var. <i>rotundulum</i> Backeb. ex H.Till & Amerh. wfo--0000712435..... | 150 |
| <i>Gymnocalycium castellanosii</i> subsp. <i>castellanosii</i> wfo--0001434802..... | 152 | <i>Gymnocalycium damsii</i> var. <i>rotundulum</i> Backeb. wfo--0001434805..... | 150 |
| <i>Gymnocalycium castellanosii</i> subsp. <i>ferocior</i> (Backeb. ex H.Till & Amerh.) G.J.Charles wfo--0000712412..... | 152 | <i>Gymnocalycium damsii</i> var. <i>torulosum</i> Backeb. ex H.Till & Amerh. wfo--0000712438..... | 150 |
| <i>Gymnocalycium castellanosii</i> var. <i>armillatum</i> Piltz wfo--0000712410..... | 152 | <i>Gymnocalycium damsii</i> var. <i>torulosum</i> Backeb. wfo--0000712439..... | 150 |
| <i>Gymnocalycium castellanosii</i> var. <i>bozsingianum</i> (Schütz) Piltz wfo--0000712411..... | 152 | <i>Gymnocalycium damsii</i> var. <i>tucavocense</i> Backeb. wfo--0000712440..... | 150 |
| <i>Gymnocalycium castellanosii</i> var. <i>rigidum</i> H.Till wfo--0000507366..... | 152 | <i>Gymnocalycium deesianum</i> Dölz wfo--0000712441..... | 152 |
| <i>Gymnocalycium castellanosii</i> var. <i>spinosior</i> Milt wfo--0001434803..... | 152 | <i>Gymnocalycium delaetii</i> (K.Schum.) Hosseus wfo--0000712442..... | 161 |
| <i>Gymnocalycium catamarcense</i> f. <i>belense</i> H.Till & W.Till wfo--0000712415..... | 159 | <i>Gymnocalycium delaetii</i> f. <i>antherosacos</i> F.Ritter ex Neuhuber wfo--0000712443..... | 161 |
| <i>Gymnocalycium catamarcense</i> f. <i>ensispinum</i> H.Till & W.Till wfo--0000712417..... | 159 | <i>Gymnocalycium delaetii</i> subsp. <i>marsoneri</i> (Frič ex Y.Itô) H.Till & Amerh. wfo--0000743998..... | 156 |
| <i>Gymnocalycium catamarcense</i> f. <i>montanum</i> H.Till & W.Till wfo--0000712418..... | 159 | <i>Gymnocalycium denudatum</i> (Link & Otto) Pfeiff. ex Mittler wfo--0000712444..... | 153 |
| <i>Gymnocalycium catamarcense</i> H.Till & W.Till wfo--0000712413..... | 159 | <i>Gymnocalycium denudatum</i> subsp. <i>angelae</i> (Mereg.) Prestlé wfo--0000712445..... | 150 |
| <i>Gymnocalycium catamarcense</i> subsp. <i>acinacispinum</i> H.Till & W.Till wfo--0000712414..... | 159 | <i>Gymnocalycium denudatum</i> subsp. <i>angulatum</i> Prestlé wfo--0001431051..... | 155 |
| <i>Gymnocalycium catamarcense</i> subsp. <i>schmidianum</i> H.Till & W.Till wfo--0000712419..... | 159 | <i>Gymnocalycium denudatum</i> subsp. <i>necopinum</i> Prestlé wfo--0001431052..... | 153 |
| <i>Gymnocalycium centeterium</i> (Lehm. ex Pfeiff.) Hosseus wfo--0000712420..... | 413 | <i>Gymnocalycium dubniorum</i> Halda & Milt wfo--0000507368..... | 154 |
| | | <i>Gymnocalycium erinaceum</i> J.G.Lamb. wfo--0000712447..... | 153 |

| | | | |
|---|----------|--|----------|
| <i>Gymnocalycium erinaceum</i> var. <i>paucisquamosum</i> Piltz wfo--0000712448..... | 153 | <i>Gymnocalycium gibbosum</i> subsp. <i>gibbosum</i> wfo--0001434809..... | 154, 162 |
| <i>Gymnocalycium erolesii</i> Neuhuber & C.A.L.Bercht wfo--0000712449..... | 161 | <i>Gymnocalycium gibbosum</i> subsp. <i>radekii</i> Halda & Milt wfo--0000712475..... | 154 |
| <i>Gymnocalycium esperanzae</i> Řepka & Kulhánek wfo--0000749320..... | 153 | <i>Gymnocalycium gibbosum</i> subsp. <i>radovanii</i> Halda & Milt wfo--0000507369..... | 154 |
| <i>Gymnocalycium euryleurum</i> F.Ritter ex Plesnik wfo--0001434806..... | 153 | <i>Gymnocalycium gibbosum</i> var. <i>brachypetalum</i> (Speg.) Papsch wfo--0000712466..... | 154 |
| <i>Gymnocalycium euryleurum</i> Plesnik ex F.Ritter wfo--0000712450..... | 153 | <i>Gymnocalycium gibbosum</i> var. <i>cerebriformis</i> Speg. wfo--0000712469..... | 154 |
| <i>Gymnocalycium eytianum</i> Cárdenas wfo--0000712451..... | 156 | <i>Gymnocalycium gibbosum</i> var. <i>chubutense</i> (Speg.) Papsch wfo--0000712470..... | 154 |
| <i>Gymnocalycium ferox</i> (Backeb.) Slaba wfo--0000712452..... | 153 | <i>Gymnocalycium gibbosum</i> var. <i>hyptiacanthum</i> (Lem.) Y.Itô wfo--0001431057..... | 155 |
| <i>Gymnocalycium ferrarii</i> Rausch wfo--0000712453..... | 154 | <i>Gymnocalycium gibbosum</i> var. <i>nigrum</i> Backeb. wfo--0000712474..... | 154 |
| <i>Gymnocalycium ferrarii</i> subsp. <i>evae</i> Halda & Milt wfo--0000509433..... | 154 | <i>Gymnocalycium glaucum</i> F.Ritter wfo--0000712476..... | 154 |
| <i>Gymnocalycium fidaianum</i> (Backeb.) Hutchison wfo--0000712454..... | 382 | <i>Gymnocalycium glaucum</i> subsp. <i>albertovojtechii</i> Halda & Milt wfo--0000507370..... | 154 |
| <i>Gymnocalycium fischeri</i> Halda, Kupčák, Lukašik & Sladk. wfo--0000712455..... | 153 | <i>Gymnocalycium glaucum</i> subsp. <i>ferrarii</i> (Rausch) G.J.Charles wfo--0001431058..... | 154 |
| <i>Gymnocalycium fischeri</i> subsp. <i>suyuquense</i> F.Berger wfo--0000712456..... | 153 | <i>Gymnocalycium glaucum</i> subsp. <i>glaucum</i> wfo--0001434810..... | 154 |
| <i>Gymnocalycium fleischerianum</i> (Mereg., Metzging & R.Kiesling) L.Vala wfo--0000712459..... | 159 | <i>Gymnocalycium grandiflorum</i> Backeb. wfo--0000712478..... | 156 |
| <i>Gymnocalycium fleischerianum</i> Jojo ex Backeb. & F.M.Knuth wfo--0000712458..... | 159 | <i>Gymnocalycium griseopallidum</i> Backeb. wfo--0000712479..... | 150 |
| <i>Gymnocalycium frankianum</i> Rausch ex H.Till & Amerh. wfo--0000509434..... | 156 | <i>Gymnocalycium guanchinense</i> Schütz wfo--0000712480..... | 160 |
| <i>Gymnocalycium fricianum</i> Plesník wfo--0000712460..... | 156 | <i>Gymnocalycium guerkeanum</i> (Heese) Britton & Rose wfo--0000712481..... | 155 |
| <i>Gymnocalycium friedrichii</i> (Werderm.) Pazout wfo--0000712461..... | 153 | <i>Gymnocalycium hamatum</i> F.Ritter & Y.Itô wfo--0000712482..... | 156 |
| <i>Gymnocalycium friedrichii</i> subsp. <i>eytianum</i> (Cárdenas) H.Till & Amerh. wfo--0001431053..... | 156 | <i>Gymnocalycium hammerschmidii</i> Backeb. wfo--0000712483..... | 153 |
| <i>Gymnocalycium friedrichii</i> subsp. <i>stenopleurum</i> (F.Ritter) Schädlich wfo--0001431054..... | 153 | <i>Gymnocalycium heidiaae</i> Neuhuber wfo--0001264599..... | 154 |
| <i>Gymnocalycium friedrichii</i> subsp. <i>tumaemulticostatum</i> Milt wfo--0001434807..... | 153 | <i>Gymnocalycium horizonthalonium</i> Frič ex Kreuz. wfo--0000712485..... | 161 |
| <i>Gymnocalycium friedrichii</i> var. <i>angustostriatum</i> Pazout ex Milt wfo--0001431055..... | 153 | <i>Gymnocalycium horridispinum</i> G.Frank & H.Till wfo--0000712486..... | 157 |
| <i>Gymnocalycium froehlichianum</i> (K.Schum.) Osten wfo--0000712462..... | 116 | <i>Gymnocalycium horridispinum</i> subsp. <i>achirasense</i> (H.Till & Schatzl) G.J.Charles wfo--0000744000..... | 157 |
| <i>Gymnocalycium gaponii</i> Neuhuber wfo--0000712463..... | 153 | <i>Gymnocalycium horridispinum</i> var. <i>achirasense</i> (H.Till & Schatzl) Lodé wfo--0000712487..... | 157 |
| <i>Gymnocalycium gaponii</i> subsp. <i>geyeri</i> Neuhuber & V.Gapon wfo--0000509435..... | 153 | <i>Gymnocalycium horstii</i> Buining wfo--0000712488..... | 154 |
| <i>Gymnocalycium gaponii</i> subsp. <i>macrocarpum</i> Řepka wfo--0001434808..... | 153 | <i>Gymnocalycium horstii</i> subsp. <i>buenekeri</i> (Swales) P.J.Braun & Hofacker wfo--0000712489..... | 155 |
| <i>Gymnocalycium gertii</i> subsp. <i>evelyniae</i> Neuhuber & V.Gapon wfo--0001431056..... | 152 | <i>Gymnocalycium horstii</i> subsp. <i>horstii</i> wfo--0001434811..... | 155 |
| <i>Gymnocalycium gertii</i> V.Gapon & Schelkun. wfo--0000749395..... | 151 | <i>Gymnocalycium horstii</i> subsp. <i>megalanthum</i> Amerh. wfo--0000509436..... | 155 |
| <i>Gymnocalycium gibbosum</i> (Haw.) Pfeiff. ex Mittler wfo--0000712464..... | 149, 153 | <i>Gymnocalycium horstii</i> var. <i>buenekeri</i> Buining wfo--0001434812..... | 155 |
| <i>Gymnocalycium gibbosum</i> f. <i>cerebriforme</i> (Speg.) Papsch wfo--0000712467..... | 154 | <i>Gymnocalycium hossei</i> (Haage) A.Berger wfo--0000712490..... | 155 |
| <i>Gymnocalycium gibbosum</i> subsp. <i>borthii</i> (Koop ex H.Till) G.J.Charles wfo--0000712465..... | 154 | <i>Gymnocalycium hossei</i> var. <i>breviflorum</i> (Backeb.) H.Till wfo--0000744001..... | 155 |
| <i>Gymnocalycium gibbosum</i> subsp. <i>ferdinandii</i> Halda, Malina & Milt wfo--0000712471..... | 154 | <i>Gymnocalycium hossei</i> var. <i>nidulans</i> (Backeb.) H.Till wfo--0000744002..... | 155 |
| <i>Gymnocalycium gibbosum</i> subsp. <i>ferox</i> (Labour. ex Rümpler) Papsch wfo--0000712472..... | 154 | <i>Gymnocalycium hybopleurum</i> (K.Schum.) Backeb. wfo--0000712491..... | 157 |
| <i>Gymnocalycium gibbosum</i> subsp. <i>gastonii</i> Halda & Milt wfo--0000712473..... | 154 | | |

| | | | |
|--|-----|---|-----|
| <i>Gymnocalycium hybopleurum</i> var. <i>breviflorum</i> Backeb. wfo--0001431059..... | 152 | <i>Gymnocalycium lafaldense</i> f. <i>deviatum</i> Oehme wfo-- 0000712511..... | 151 |
| <i>Gymnocalycium hybopleurum</i> var. <i>centrispinum</i> Backeb. wfo--0001431060..... | 152 | <i>Gymnocalycium lafaldense</i> f. <i>enorme</i> Oehme wfo-- 0000712512..... | 151 |
| <i>Gymnocalycium hybopleurum</i> var. <i>ferocior</i> Backeb. wfo-- 0001431061..... | 152 | <i>Gymnocalycium lafaldense</i> f. <i>evolvens</i> Oehme wfo-- 0000712513..... | 151 |
| <i>Gymnocalycium hybopleurum</i> var. <i>ferox</i> Backeb. wfo-- 0000712492..... | 153 | <i>Gymnocalycium lafaldense</i> f. <i>fraternum</i> Oehme wfo-- 0000712514..... | 151 |
| <i>Gymnocalycium hyptiacanthum</i> (Lem.) Britton & Rose wfo-- 0000712493..... | 155 | <i>Gymnocalycium lafaldense</i> f. <i>hossei</i> (Backeb.) Oehme wfo-- 0000712515..... | 152 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>callistum</i> Prestlé wfo--0001434813..... | 155 | <i>Gymnocalycium lafaldense</i> Vaupel wfo--0000712509.. | 151 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>netrelianum</i> (Monv. ex Labour.) Mereg. wfo--0000509437..... | 155 | <i>Gymnocalycium lagunillasense</i> Cárdenas wfo-- 0000712517..... | 159 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>paucicostatum</i> (R.Kiesling) Papsch wfo--0001431062..... | 161 | <i>Gymnocalycium lamudanaense</i> Chvastek & Milt wfo-- 0001434817..... | 157 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>rotundatum</i> Prestlé wfo--0001434814..... | 155 | <i>Gymnocalycium leeanum</i> (Hook.) Britton & Rose wfo-- 0000712518..... | 160 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>schroederianum</i> (Osten) Papsch wfo--0000712495..... | 161 | <i>Gymnocalycium leeanum</i> var. <i>netrelianum</i> (Monv. ex Labour.) Backeb. wfo--0000712519..... | 155 |
| <i>Gymnocalycium hyptiacanthum</i> subsp. <i>uruguayense</i> (Arechav.) Mereg. wfo--0000509439..... | 155 | <i>Gymnocalycium leeanum</i> var. <i>roseiflorum</i> Y.Itô wfo-- 0000712520..... | 155 |
| <i>Gymnocalycium immemoratum</i> A.Cast. & H.V.Lelong wfo-- 0000712496..... | 157 | <i>Gymnocalycium leptanthum</i> (Speg.) Speg. wfo-- 0000712521..... | 403 |
| <i>Gymnocalycium intertextum</i> Backeb. ex H.Till wfo-- 0000712497..... | 158 | <i>Gymnocalycium loricatum</i> Speg. wfo--0000712522..... | 162 |
| <i>Gymnocalycium intertextum</i> f. <i>moserianum</i> J.G.Lamb. wfo-- 0000509440..... | 158 | <i>Gymnocalycium lukasikii</i> Halda & Kupčák wfo-- 0000712523..... | 162 |
| <i>Gymnocalycium itatiquense</i> H.Till & Amerh. wfo-- 0001035040..... | 156 | <i>Gymnocalycium lukasikii</i> subsp. <i>emilii</i> Halda & Milt wfo-- 0001431067..... | 162 |
| <i>Gymnocalycium izozogii</i> Cárdenas wfo--0000712498.. | 159 | <i>Gymnocalycium mackieanum</i> (Hook.) Metzging, Mereg. & R.Kiesling wfo--0000712524..... | 160 |
| <i>Gymnocalycium jochumii</i> Neuhuber wfo--0000712499 | 161 | <i>Gymnocalycium marekiorum</i> Milt wfo--0001431068... | 150 |
| <i>Gymnocalycium jochumii</i> var. <i>jugum</i> Neuhuber wfo-- 0000712500..... | 160 | <i>Gymnocalycium marianae</i> Perea, O.Ferrari, Las Peñas & R.Kiesling wfo--0000744003..... | 150 |
| <i>Gymnocalycium joossensianum</i> (Boed.) Britton & Rose wfo--0000712501..... | 161 | <i>Gymnocalycium marquezii</i> Cárdenas wfo--0000712525159 | |
| <i>Gymnocalycium kieslingii</i> f. <i>alboareolatum</i> O.Ferrari wfo-- 0000712503..... | 155 | <i>Gymnocalycium marquezii</i> var. <i>argentinese</i> Backeb. wfo-- 0001431069..... | 159 |
| <i>Gymnocalycium kieslingii</i> f. <i>castaneum</i> O.Ferrari wfo-- 0000712504..... | 156 | <i>Gymnocalycium marsoneri</i> Frič ex Y.Itô wfo--0000712527 | 156 |
| <i>Gymnocalycium kieslingii</i> O.Ferrari wfo--0000712502.. | 155 | <i>Gymnocalycium marsoneri</i> subsp. <i>marsoneri</i> wfo-- 0001434818..... | 156 |
| <i>Gymnocalycium kieslingii</i> subsp. <i>castaneum</i> (O.Ferrari) Slaba wfo--0001431063..... | 156 | <i>Gymnocalycium marsoneri</i> subsp. <i>matoense</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000712528.... | 156 |
| <i>Gymnocalycium kieslingii</i> subsp. <i>frankianum</i> (Rausch ex H.Till & Amerh.) Slaba wfo--0001431064..... | 156 | <i>Gymnocalycium marsoneri</i> subsp. <i>megatae</i> (Y.Itô) G.J.Charles wfo--0000744004..... | 156 |
| <i>Gymnocalycium kozelskyanum</i> Schütz wfo--0000712506 | 150 | <i>Gymnocalycium matoense</i> Buining & Brederoo wfo-- 0000712529..... | 156 |
| <i>Gymnocalycium kroenleinii</i> R.Kiesling, Rausch & O.Ferrari wfo--0000712507..... | 156 | <i>Gymnocalycium mazanense</i> (Backeb.) Backeb. wfo-- 0000712530..... | 155 |
| <i>Gymnocalycium kroenleinii</i> subsp. <i>funettae</i> Mereg. wfo-- 0001431065..... | 156 | <i>Gymnocalycium mazanense</i> var. <i>rhodantherum</i> (Boed.) Backeb. wfo--0000712531..... | 160 |
| <i>Gymnocalycium kuehhasii</i> Neuhuber & R.Sperling wfo-- 0000509441..... | 161 | <i>Gymnocalycium megalothelon</i> (Sencke ex K.Schum.) Britton & Rose wfo--0000712532..... | 153 |
| <i>Gymnocalycium kuehhasii</i> subsp. <i>corneuspinum</i> Sperling & Strub wfo--0001434815..... | 161 | <i>Gymnocalycium megalothelon</i> subsp. <i>brasiliense</i> Prestlé wfo--0001434819..... | 155 |
| <i>Gymnocalycium kuehhasii</i> subsp. <i>incurvatispinum</i> Sperling & Strub wfo--0001434816..... | 161 | <i>Gymnocalycium megalothelon</i> subsp. <i>prestleanum</i> H.Till wfo--0001431070..... | 153 |
| <i>Gymnocalycium kulhanekii</i> Papsch wfo--0001431066.. | 156 | <i>Gymnocalycium megalothelon</i> var. <i>susannae</i> H.Till wfo-- 0000712533..... | 156 |
| <i>Gymnocalycium kurtzianum</i> (Gürke) Britton & Rose wfo-- 0000712508..... | 157 | <i>Gymnocalycium megatae</i> subsp. <i>holdii</i> (Anerh.) Schädlich wfo--0001434820..... | 156 |
| <i>Gymnocalycium lafaldense</i> f. <i>albispinum</i> (Backeb.) Oehme wfo--0000712510..... | 151 | <i>Gymnocalycium megatae</i> subsp. <i>matoense</i> (Buining & Brederoo) H.Till wfo--0000744005..... | 156 |

| | | | |
|---|-----|---|-----|
| <i>Gymnocalycium megatae</i> subsp. <i>zecheri</i> Amerh. wfo--0001431071..... | 156 | <i>Gymnocalycium monvillei</i> var. <i>safronovii</i> V.Gapon wfo--0000744006..... | 157 |
| <i>Gymnocalycium megatae</i> var. <i>che-guevarae</i> Milt wfo--0001431072..... | 156 | <i>Gymnocalycium monvillei</i> var. <i>steineri</i> H.Till wfo--0000712561..... | 156 |
| <i>Gymnocalycium megatae</i> Y.Itô wfo--0000712534..... | 156 | <i>Gymnocalycium morroense</i> Kulhánek, Řepka & J.Proch. wfo--0000749385..... | 150 |
| <i>Gymnocalycium melanocarpum</i> (Arechav.) Britton & Rose wfo--0000712535..... | 155 | <i>Gymnocalycium moserianum</i> Schütz wfo--0000712563..... | 158 |
| <i>Gymnocalycium mendozaense</i> C.A.L.Bercht & Schädlich wfo--0001431073..... | 156 | <i>Gymnocalycium mostii</i> (Gürke) Britton & Rose wfo--0000712564..... | 157 |
| <i>Gymnocalycium meregallii</i> C.A.L.Bercht wfo--0001431074..... | 151 | <i>Gymnocalycium mostii</i> f. <i>kurtzianum</i> (Gürke) H.Till & Amerh. wfo--0000712568..... | 157 |
| <i>Gymnocalycium mesopotamicum</i> R.Kiesling wfo--0000712538..... | 156 | <i>Gymnocalycium mostii</i> subsp. <i>bicolor</i> Řepka wfo--0001431077..... | 158 |
| <i>Gymnocalycium michoga</i> Y.Itô wfo--0000712539..... | 161 | <i>Gymnocalycium mostii</i> subsp. <i>ferocior</i> Backeb. ex H.Till & Amerh. wfo--0000712565..... | 152 |
| <i>Gymnocalycium mihanovichii</i> (Frič & Gürke) Britton & Rose wfo--0000712540..... | 156 | <i>Gymnocalycium mostii</i> subsp. <i>prochazkianum</i> (Šorma) G.J.Charles wfo--0001431078..... | 157 |
| <i>Gymnocalycium mihanovichii</i> var. <i>albiflorum</i> Pažout ex Milt wfo--0001434821..... | 156 | <i>Gymnocalycium mostii</i> subsp. <i>valnickeianum</i> (Jajó) Mereg. & G.J.Charles wfo--0000509442..... | 157 |
| <i>Gymnocalycium mihanovichii</i> var. <i>albiflorum</i> Pazout wfo--0000712541..... | 156 | <i>Gymnocalycium mostii</i> var. <i>immemoratum</i> (A.Cast. & H.V.Lelong) H.Till & Amerh. wfo--0000712566..... | 157 |
| <i>Gymnocalycium mihanovichii</i> var. <i>angustostriatum</i> Pazout wfo--0001431075..... | 153 | <i>Gymnocalycium mostii</i> var. <i>kurtzianum</i> (Gürke) Backeb. wfo--0000712567..... | 157 |
| <i>Gymnocalycium mihanovichii</i> var. <i>filadelfiense</i> Backeb. wfo--0000712542..... | 156 | <i>Gymnocalycium mostii</i> var. <i>miradoreense</i> H.Till & Amerh. wfo--0000712569..... | 157 |
| <i>Gymnocalycium mihanovichii</i> var. <i>friedrichii</i> Werderm. wfo--0000712543..... | 153 | <i>Gymnocalycium mucidum</i> Oehme wfo--0000712571..... | 152 |
| <i>Gymnocalycium mihanovichii</i> var. <i>piraretaense</i> Pazout wfo--0001431076..... | 153 | <i>Gymnocalycium multiflorum</i> (Hook.) Britton & Rose wfo--0000712572..... | 157 |
| <i>Gymnocalycium millaresii</i> Cárdenas wfo--0000712544..... | 159 | <i>Gymnocalycium multiflorum</i> var. <i>albispinum</i> P.Fourn. wfo--0000712573..... | 156 |
| <i>Gymnocalycium miltii</i> Halda, Kupčák, Lukašik & Sladk. wfo--0000712545..... | 153 | <i>Gymnocalycium multiflorum</i> var. <i>hybopleurum</i> P.Fourn. wfo--0000712574..... | 156 |
| <i>Gymnocalycium monvillei</i> (Lem.) Pfeiff. ex Britton & Rose wfo--0000712546..... | 156 | <i>Gymnocalycium multiflorum</i> var. <i>ourselianum</i> H.Till & W.Till wfo--0000509443..... | 156 |
| <i>Gymnocalycium monvillei</i> f. <i>villamercedense</i> H.Till & Neuhuber wfo--0000712562..... | 156 | <i>Gymnocalycium multiflorum</i> var. <i>parisiense</i> P.Fourn. wfo--0000712575..... | 156 |
| <i>Gymnocalycium monvillei</i> subsp. <i>achirasense</i> (H.Till & Schatzl) H.Till wfo--0000712547..... | 157 | <i>Gymnocalycium nataliae</i> Neuhuber wfo--0000712576..... | 150 |
| <i>Gymnocalycium monvillei</i> subsp. <i>brachyanthum</i> (Gürke) H.Till wfo--0000712549..... | 157 | <i>Gymnocalycium neocumingii</i> (Backeb.) Hutchison wfo--0000712577..... | 384 |
| <i>Gymnocalycium monvillei</i> subsp. <i>gertrudae</i> (Neuhuber) Neuhuber wfo--0000712555..... | 157 | <i>Gymnocalycium netrelianum</i> (Monv. ex Labour.) Britton & Rose wfo--0000712578..... | 155 |
| <i>Gymnocalycium monvillei</i> subsp. <i>horridispinum</i> (G.Frank & H.Till) H.Till wfo--0000712557..... | 157 | <i>Gymnocalycium netrelianum</i> subsp. <i>albidulum</i> Prestlé wfo--0001434822..... | 155 |
| <i>Gymnocalycium monvillei</i> subsp. <i>monvillei</i> wfo--0001254384..... | 157 | <i>Gymnocalycium netrelianum</i> subsp. <i>blanquilloense</i> Prestlé wfo--0001434823..... | 155 |
| <i>Gymnocalycium monvillei</i> var. <i>chacrasense</i> Neuhuber wfo--0000712550..... | 157 | <i>Gymnocalycium netrelianum</i> subsp. <i>stramineum</i> Prestlé wfo--0001434824..... | 155 |
| <i>Gymnocalycium monvillei</i> var. <i>coloratum</i> Neuhuber wfo--0000712551..... | 156 | <i>Gymnocalycium netrelianum</i> subsp. <i>tamboreense</i> Prestlé wfo--0001434825..... | 155 |
| <i>Gymnocalycium monvillei</i> var. <i>confusa</i> Neuhuber wfo--0000712552..... | 156 | <i>Gymnocalycium neuhuberi</i> H.Till & W.Till wfo--0000712579..... | 158 |
| <i>Gymnocalycium monvillei</i> var. <i>echinatum</i> Neuhuber wfo--0000712553..... | 157 | <i>Gymnocalycium neumannianum</i> (Backeb.) Hutchison wfo--0000712580..... | 382 |
| <i>Gymnocalycium monvillei</i> var. <i>gertrudae</i> Neuhuber wfo--0000712554..... | 157 | <i>Gymnocalycium nidulans</i> Backeb. wfo--0000712582..... | 155 |
| <i>Gymnocalycium monvillei</i> var. <i>grandiflorum</i> (Backeb.) H.Till wfo--0000712556..... | 156 | <i>Gymnocalycium nigriareolatum</i> Backeb. wfo--0000712583..... | 158 |
| <i>Gymnocalycium monvillei</i> var. <i>kainradliae</i> Neuhuber wfo--0000712558..... | 157 | <i>Gymnocalycium nigriareolatum</i> f. <i>carmineum</i> H.Till wfo--0000712584..... | 157 |
| <i>Gymnocalycium monvillei</i> var. <i>orientale</i> Neuhuber wfo--0000712560..... | 157 | <i>Gymnocalycium nigriareolatum</i> var. <i>densispinum</i> Backeb. ex H.Till wfo--0000712585..... | 158 |
| | | <i>Gymnocalycium nigriareolatum</i> var. <i>simoi</i> H.Till wfo--0000712586..... | 158 |

| | | | |
|---|-----|--|-----|
| <i>Gymnocalycium obductum</i> Piltz wfo--0000712587..... | 160 | <i>Gymnocalycium parvulum</i> subsp. <i>amoenum</i> (H.Till) | |
| <i>Gymnocalycium occultum</i> (Frič ex H.Till & W.Till) H.Till wfo--0000744007..... | 151 | F.Berger wfo--0000509444..... | 152 |
| <i>Gymnocalycium occultum</i> Frič ex Schütz wfo--0000712588..... | 151 | <i>Gymnocalycium parvulum</i> subsp. <i>huettneri</i> F.Berger wfo--0000509445..... | 152 |
| <i>Gymnocalycium ochoterenae</i> Backeb. wfo--0000712589..... | 158 | <i>Gymnocalycium parvulum</i> var. <i>amoenum</i> H.Till wfo--0000712605..... | 152 |
| <i>Gymnocalycium ochoterenae</i> subsp. <i>herbsthoferianum</i> H.Till & Neuhuber wfo--0000712593..... | 158 | <i>Gymnocalycium parvulum</i> var. <i>walteri</i> (H.Till) Milt wfo--0001431088..... | 149 |
| <i>Gymnocalycium ochoterenae</i> subsp. <i>ochoterenae</i> wfo--0001254385..... | 158 | <i>Gymnocalycium paucispinum</i> (Backeb. ex H.Till & W.Till) H.Till wfo--0000744009..... | 150 |
| <i>Gymnocalycium ochoterenae</i> subsp. <i>vatterii</i> (Buining) Papsch wfo--0000712596..... | 158 | <i>Gymnocalycium</i> Pfeiff. ex Mittler wfo--4000016452.... | 149 |
| <i>Gymnocalycium ochoterenae</i> var. <i>altautinense</i> Papsch wfo--0000712590..... | 158 | <i>Gymnocalycium pflanzii</i> (Vaupel) Werderm. wfo--0000712608..... | 159 |
| <i>Gymnocalycium ochoterenae</i> var. <i>cinereum</i> Backeb. wfo--0000712591..... | 158 | <i>Gymnocalycium pflanzii</i> f. <i>chuisacanum</i> (Cárdenas) Donald wfo--0000712610..... | 159 |
| <i>Gymnocalycium ochoterenae</i> var. <i>polygonum</i> Backeb. wfo--0000712594..... | 158 | <i>Gymnocalycium pflanzii</i> subsp. <i>argentinese</i> H.Till & W.Till wfo--0000712609..... | 159 |
| <i>Gymnocalycium ochoterenae</i> var. <i>scoparium</i> H.Till & Neuhuber wfo--0000712595..... | 158 | <i>Gymnocalycium pflanzii</i> subsp. <i>dorisiae</i> Amerh. wfo--0001431089..... | 159 |
| <i>Gymnocalycium ochoterenae</i> var. <i>tenuispinum</i> Backeb. wfo--0001431079..... | 158 | <i>Gymnocalycium pflanzii</i> subsp. <i>pflanzii</i> wfo--0001434828..... | 159 |
| <i>Gymnocalycium ochoterenae</i> var. <i>variispinum</i> Backeb. wfo--0001431080..... | 158 | <i>Gymnocalycium pflanzii</i> subsp. <i>zegarrae</i> (Cárdenas) G.J.Charles wfo--0000712617..... | 159 |
| <i>Gymnocalycium oenanthemum</i> Backeb. wfo--0000712597..... | 158 | <i>Gymnocalycium pflanzii</i> var. <i>albipulpa</i> F.Ritter wfo--0001431090..... | 159 |
| <i>Gymnocalycium oenanthemum</i> subsp. <i>carminanthum</i> (Borth & Koop) H.Till wfo--0000744008..... | 158 | <i>Gymnocalycium pflanzii</i> var. <i>eytianum</i> (Cárdenas) Donald wfo--0000712611..... | 156 |
| <i>Gymnocalycium oenanthemum</i> var. <i>montanum</i> (Slaba) Slaba wfo--0001431081..... | 158 | <i>Gymnocalycium pflanzii</i> var. <i>izozogsii</i> (Cárdenas) Donald wfo--0000712612..... | 159 |
| <i>Gymnocalycium oenanthemum</i> var. <i>tillianum</i> (Rausch) Slaba wfo--0001431082..... | 158 | <i>Gymnocalycium pflanzii</i> var. <i>lagunillasense</i> (Cárdenas) Donald wfo--0000712613..... | 159 |
| <i>Gymnocalycium onychacanthum</i> Y.Itô wfo--0000712598..... | 156 | <i>Gymnocalycium pflanzii</i> var. <i>millaresii</i> (Cárdenas) Donald wfo--0000712614..... | 159 |
| <i>Gymnocalycium orientale</i> (Neuhuber) Neuhuber & V.Gapon wfo--0001431083..... | 157 | <i>Gymnocalycium pflanzii</i> var. <i>paraguayense</i> H.Till & Amerh. wfo--0001431091..... | 159 |
| <i>Gymnocalycium orientale</i> subsp. <i>kainradliae</i> (Neuhuber) Neuhuber & V.Gapon wfo--0001431084..... | 157 | <i>Gymnocalycium pflanzii</i> var. <i>riograndense</i> (Cárdenas) Donald wfo--0000712615..... | 159 |
| <i>Gymnocalycium orientale</i> var. <i>vikulovii</i> Neuhuber & V.Gapon wfo--0001431085..... | 157 | <i>Gymnocalycium pflanzii</i> var. <i>zegarrae</i> (Cárdenas) Donald wfo--0000712616..... | 159 |
| <i>Gymnocalycium ottonis</i> Hosseus wfo--0000712599..... | 415 | <i>Gymnocalycium piltziorum</i> Schütz wfo--0000712619... 151 | |
| <i>Gymnocalycium ourselianum</i> (Monv.) Papsch wfo--0001431086..... | 156 | <i>Gymnocalycium pinalii</i> Merreg. & Kulhánek wfo--0001431092..... | 153 |
| <i>Gymnocalycium paediophilum</i> F.Ritter ex Schütz wfo--0001434826..... | 158 | <i>Gymnocalycium platense</i> (Speg.) Britton & Rose wfo--0000712620..... | 160 |
| <i>Gymnocalycium paediophilum</i> F.Ritter wfo--0001264601..... | 158 | <i>Gymnocalycium platense</i> subsp. <i>paucicostatum</i> (R.Kiesling) Papsch wfo--0001431093..... | 161 |
| <i>Gymnocalycium paediophyllum</i> F.Ritter ex Schütz wfo--0000712607..... | 158 | <i>Gymnocalycium platense</i> subsp. <i>schroederianum</i> (Osten) Papsch wfo--0001431094..... | 161 |
| <i>Gymnocalycium papschii</i> H.Till wfo--0000712600..... | 153 | <i>Gymnocalycium platense</i> var. <i>hyptiacanthum</i> (Lem.) Backeb. wfo--0000712621..... | 155 |
| <i>Gymnocalycium paraguayense</i> (K.Schum.) Hosseus wfo--0000712602..... | 158 | <i>Gymnocalycium platense</i> var. <i>parvulum</i> (Speg.) Y.Itô wfo--0000712622..... | 403 |
| <i>Gymnocalycium paraguayense</i> (K.Schum.) Schütz wfo--0001238880..... | 158 | <i>Gymnocalycium platense</i> var. <i>ventanicola</i> (Speg.) R.Kiesling wfo--0000712623..... | 160 |
| <i>Gymnocalycium paraguayense</i> f. <i>fleischerianum</i> Merreg., Metzger & R.Kiesling wfo--0000712603..... | 159 | <i>Gymnocalycium platygonum</i> (H.Till & W.Till) Pilbeam wfo--0000712624..... | 151 |
| <i>Gymnocalycium parvulum</i> (Speg.) Speg. wfo--0000712604..... | 403 | <i>Gymnocalycium poeschlui</i> Neuhuber wfo--0000712625..... | 150 |
| <i>Gymnocalycium parvulum</i> subsp. <i>agnesiaae</i> F.Berger wfo--0001431087..... | 152 | <i>Gymnocalycium poeschlui</i> subsp. <i>dolezalii</i> Halda & Milt wfo--0001431095..... | 152 |
| | | <i>Gymnocalycium ponomarevae</i> V.Gapon & Neuhuber wfo--0001431096..... | 150 |

| | |
|--|---|
| <i>Gymnocalycium prochazkianum</i> Šorma wfo--0000712626 157 | <i>Gymnocalycium reductum</i> var. <i>platense</i> (Speg.) R.Kiesling wfo--0000509451 160 |
| <i>Gymnocalycium prochazkianum</i> subsp. <i>ivoi</i> Halda & Milt wfo--0000507371 157 | <i>Gymnocalycium reductum</i> var. <i>schatzlianum</i> (Strigl & W.Till) Papsch wfo--0000712646 160 |
| <i>Gymnocalycium prochazkianum</i> subsp. <i>simile</i> Řepka wfo-- 0001431097 157 | <i>Gymnocalycium rhodantherum</i> (Boed.) H.Till wfo-- 0000712647 160 |
| <i>Gymnocalycium prochazkianum</i> subsp. <i>simplex</i> Řepka wfo-- --0001431098 157 | <i>Gymnocalycium rhodantherum</i> subsp. <i>recii</i> Halda & Milt wfo--0001431102 160 |
| <i>Gymnocalycium proliferum</i> (Backeb.) Backeb. wfo-- 0000712627 152 | <i>Gymnocalycium rhodantherum</i> var. <i>cinerascens</i> H.Till wfo-- -0000712648 155 |
| <i>Gymnocalycium proliferum</i> var. <i>calochlorum</i> (Boed.) Backeb. wfo--0000712629 152 | <i>Gymnocalycium riograndense</i> Cárdenas wfo--0000712649 159 |
| <i>Gymnocalycium pseudomalacocarpum</i> Backeb. wfo-- 0000712630 156 | <i>Gymnocalycium riojense</i> Frič ex H.Till & W.Till wfo-- 0000712650 151 |
| <i>Gymnocalycium pugionacanthum</i> Backeb. ex H.Till wfo-- 0000712631 159 | <i>Gymnocalycium riojense</i> subsp. <i>guasayanense</i> (Strigl) H.Till wfo--0000744012 151 |
| <i>Gymnocalycium pugionacanthum</i> var. <i>stejskalii</i> Milt wfo-- 0001434829 159 | <i>Gymnocalycium riojense</i> subsp. <i>kozelskyanum</i> Schütz ex H.Till & W.Till wfo--0000712653 151 |
| <i>Gymnocalycium pulquinense</i> (Cárdenas) Hutchison wfo-- 0000712632 384 | <i>Gymnocalycium riojense</i> subsp. <i>paucispinum</i> Backeb. ex H.Till & W.Till wfo--0000712655 151 |
| <i>Gymnocalycium pulquinense</i> var. <i>corroanum</i> (Cárdenas) Hutchison wfo--0001431099 384 | <i>Gymnocalycium riojense</i> subsp. <i>piltziorum</i> Schütz ex H.Till & W.Till wfo--0000712656 151 |
| <i>Gymnocalycium pungens</i> Fleisch. wfo--0000712633 161 | <i>Gymnocalycium riojense</i> subsp. <i>vertongenii</i> Amerh. wfo-- 0000744013 151 |
| <i>Gymnocalycium pungens</i> Fleischer ex Milt wfo-- 0001434830 161 | <i>Gymnocalycium riojense</i> var. <i>guasayanense</i> Strigl wfo-- 0000712651 151 |
| <i>Gymnocalycium quehlianum</i> (F.Haage ex H.Quehl) Vaupel ex Hosseus wfo--0000712634 159 | <i>Gymnocalycium riojense</i> var. <i>guthianum</i> H.Till & W.Till wfo--0000712652 151 |
| <i>Gymnocalycium quehlianum</i> subsp. <i>leptanthum</i> (Speg.) H.Till & Amerh. wfo--0000509447 403 | <i>Gymnocalycium riojense</i> var. <i>mirandaense</i> H.Till & W.Till wfo--0000712654 151 |
| <i>Gymnocalycium quehlianum</i> var. <i>albispinum</i> Bozsing ex Backeb. wfo--0001431100 160 | <i>Gymnocalycium riojense</i> var. <i>pipanacoense</i> H.Till & W.Till wfo--0000712657 151 |
| <i>Gymnocalycium quehlianum</i> var. <i>calochlorum</i> (Boed.) H.Till & Amerh. wfo--0000509446 152 | <i>Gymnocalycium riojense</i> var. <i>platygonum</i> Schütz ex H.Till & W.Till wfo--0000712659 151 |
| <i>Gymnocalycium quehlianum</i> var. <i>flavispinum</i> Bozsing ex Backeb. wfo--0001431101 160 | <i>Gymnocalycium riojense</i> var. <i>sanjuanense</i> H.Till & W.Till wfo--0000712660 151 |
| <i>Gymnocalycium quehlianum</i> var. <i>rolfianum</i> Schick wfo-- 0000712635 159 | <i>Gymnocalycium riterianum</i> Rausch wfo--0000712661.. 160 |
| <i>Gymnocalycium quehlianum</i> var. <i>stellatum</i> (Speg.) Dölz wfo--0000712638 159 | <i>Gymnocalycium ritterianum</i> Rausch wfo--0001254386 160 |
| <i>Gymnocalycium quehlianum</i> var. <i>terweemeanum</i> (Teuqc ex Duursma) H.Till & Amerh. wfo--0000509449 150 | <i>Gymnocalycium ritterianum</i> subsp. <i>acentracanthum</i> F.Berger wfo--0001431103 161 |
| <i>Gymnocalycium quehlianum</i> var. <i>zantnerianum</i> Schick wfo-- --0000712639 160 | <i>Gymnocalycium robustum</i> R.Kiesling, O.Ferrari & Metzging wfo--0000712662 161 |
| <i>Gymnocalycium ragonesei</i> A.Cast. wfo--0000712640... 160 | <i>Gymnocalycium rosae</i> H.Till wfo--0000712663 156 |
| <i>Gymnocalycium raineri</i> H.Till wfo--0000509450 150 | <i>Gymnocalycium saglione</i> (Cels) Britton & Rose wfo-- 0000712664 161 |
| <i>Gymnocalycium rauschii</i> H.Till & W.Till wfo--0000712641 155 | <i>Gymnocalycium saglionis</i> (Cels) Britton & Rose wfo-- 0001434747 161 |
| <i>Gymnocalycium reductum</i> (Link) Pfeiff. ex Mittler wfo-- 0000712642 160 | <i>Gymnocalycium saglionis</i> f. <i>columnare</i> H.Till wfo-- 0001431104 161 |
| <i>Gymnocalycium reductum</i> (Link) Pfeiff. wfo--0001262794 160 | <i>Gymnocalycium saglionis</i> f. <i>splendens</i> H.Till wfo-- 0001431105 161 |
| <i>Gymnocalycium reductum</i> subsp. <i>leanum</i> (Hook.) Papsch wfo--0000712643 160 | <i>Gymnocalycium saglionis</i> subsp. <i>tilcarensis</i> (Backeb.) H.Till & W.Till wfo--0000712666 161 |
| <i>Gymnocalycium reductum</i> subsp. <i>reductum</i> wfo-- 0001434831 160 | <i>Gymnocalycium saglionis</i> var. <i>australe</i> H.Till wfo-- 0001431106 161 |
| <i>Gymnocalycium reductum</i> subsp. <i>sibalii</i> (Halda & Milt) Neuhuber wfo--0000509452 160 | <i>Gymnocalycium saglionis</i> var. <i>jujuyense</i> Backeb. wfo-- 0000712665 161 |
| <i>Gymnocalycium reductum</i> var. <i>leanum</i> (Hook.) Papsch wfo--0000712644 160 | <i>Gymnocalycium saglionis</i> var. <i>minus</i> H.Till wfo-- 0001431107 161 |
| <i>Gymnocalycium reductum</i> var. <i>leucodictyon</i> (Rümpler) Papsch wfo--0000712645 154 | <i>Gymnocalycium sanguiniflorum</i> (Werderm.) Werderm. wfo--0000712667 150 |

| | |
|--|---|
| <i>Gymnocalycium sanluisense</i> Neuhuber wfo--0001434832 152 | <i>Gymnocalycium stellatum</i> var. <i>minimum</i> (Pazout) R.Strong wfo--0000712688 160 |
| <i>Gymnocalycium schatzlianum</i> Strigl & W.Till wfo-- 0000712669..... 160 | <i>Gymnocalycium stellatum</i> var. <i>obductum</i> (Piltz) H.Till & W.Till wfo--0000712689 160 |
| <i>Gymnocalycium schickendantzii</i> (F.A.C.Weber) Britton & Rose wfo--0000712670 161 | <i>Gymnocalycium stellatum</i> var. <i>paucispinum</i> (Backeb.) R.Strong wfo--0000712691 150 |
| <i>Gymnocalycium schickendantzii</i> subsp. <i>bergeri</i> Neuhuber wfo--0001431108 161 | <i>Gymnocalycium stellatum</i> var. <i>zantnerianum</i> (H.Schick) H.Till & W.Till wfo--0000712692 160 |
| <i>Gymnocalycium schickendantzii</i> subsp. <i>delaeitii</i> (K.Schum.) G.J.Charles wfo--0000712671 161 | <i>Gymnocalycium stenopleurum</i> F.Ritter wfo--0000712693 153 |
| <i>Gymnocalycium schickendantzii</i> subsp. <i>periferarium</i> Neuhuber wfo--0000712673 161 | <i>Gymnocalycium strigianum</i> Jeggle ex H.Till wfo-- 0000712694 162 |
| <i>Gymnocalycium schickendantzii</i> subsp. <i>schickendantzii</i> wfo--0001434833 161 | <i>Gymnocalycium strigianum</i> subsp. <i>aeneum</i> Mereg. & Guglielmone wfo--0000507375 154 |
| <i>Gymnocalycium schickendantzii</i> var. <i>pectinatum</i> Neuhuber wfo--0000712672 161 | <i>Gymnocalycium strigianum</i> subsp. <i>otmari</i> Halda & Milt wfo--0000509453 154 |
| <i>Gymnocalycium schmidianum</i> (H.Till & W.Till) Mereg. & Kulhánek wfo--0001431109 159 | <i>Gymnocalycium stuckertii</i> (Speg.) Britton & Rose wfo-- 0000712695 161 |
| <i>Gymnocalycium schmidianum</i> subsp. <i>asperum</i> Mereg. & Kulhánek wfo--0001431110 159 | <i>Gymnocalycium sutterianum</i> (Schick) Hosseus wfo-- 0000712696 152 |
| <i>Gymnocalycium schreiteri</i> H.Till wfo--0000744014 150 | <i>Gymnocalycium sutterianum</i> subsp. <i>arachnispinum</i> Řepka wfo--0001431114 152 |
| <i>Gymnocalycium schroederianum</i> Osten wfo--0000712674 161 | <i>Gymnocalycium sutterianum</i> subsp. <i>dolezalii</i> (Halda & Milt) Řepka wfo--0001431115 152 |
| <i>Gymnocalycium schroederianum</i> subsp. <i>bayense</i> R.Kiesling wfo--0001431111 161 | <i>Gymnocalycium sutterianum</i> subsp. <i>tetraploideum</i> Řepka wfo--0001434836 152 |
| <i>Gymnocalycium schroederianum</i> subsp. <i>boessii</i> R.Kiesling, Marchesi & O.Ferrari wfo--0001431112 161 | <i>Gymnocalycium tanningaense</i> Piltz wfo--0000712698... 162 |
| <i>Gymnocalycium schroederianum</i> subsp. <i>paucicostatum</i> R.Kiesling wfo--0001431113 161 | <i>Gymnocalycium tanningaense</i> subsp. <i>fuschilloi</i> Neuhuber wfo--0000509454 162 |
| <i>Gymnocalycium schroederianum</i> subsp. <i>schroederianum</i> wfo--0001254387 161 | <i>Gymnocalycium tanningaense</i> var. <i>lukasikii</i> (Halda & Kupčák) Neuhuber wfo--0000509455 162 |
| <i>Gymnocalycium schuetzianum</i> H.Till & Schatzl wfo-- 0000712676 157 | <i>Gymnocalycium terweemeanum</i> (Teuqc ex Duursma) Borgmann & Piltz wfo--0000712699 150 |
| <i>Gymnocalycium sibalii</i> Halda & Milt wfo--0000507372 160 | <i>Gymnocalycium tilcareense</i> (Backeb.) H.Till & W.Till wfo-- 0001264597 423 |
| <i>Gymnocalycium sigelianum</i> (Schick) Hosseus wfo-- 0000712677 152 | <i>Gymnocalycium tillianum</i> Rausch wfo--0000712700... 158 |
| <i>Gymnocalycium spegazzinii</i> Britton & Rose wfo-- 0000712678 161 | <i>Gymnocalycium tillianum</i> subsp. <i>montanum</i> (Slaba) F.Berger wfo--0000744015 158 |
| <i>Gymnocalycium spegazzinii</i> f. <i>unguispinum</i> Slaba wfo-- 0000712683 161 | <i>Gymnocalycium tobuschianum</i> Schick-Freib. wfo-- 0000712701 157 |
| <i>Gymnocalycium spegazzinii</i> subsp. <i>armatum</i> (F.Ritter) Halda & Šorma wfo--0000712679 162 | <i>Gymnocalycium triacanthum</i> Backeb. wfo--0000712702 150 |
| <i>Gymnocalycium spegazzinii</i> subsp. <i>bayrianum</i> (H.Till) Halda wfo--0000712680 150 | <i>Gymnocalycium tudae</i> var. <i>bolivianum</i> F.Ritter wfo-- 0000712704 156 |
| <i>Gymnocalycium spegazzinii</i> subsp. <i>cardenasianum</i> (F.Ritter) R.Kiesling & Metzging wfo--0000712681 162 | <i>Gymnocalycium tudae</i> var. <i>pseudomalacocarpus</i> (Backeb.) Donald wfo--0000712705 156 |
| <i>Gymnocalycium spegazzinii</i> subsp. <i>sarkae</i> Halda & Milt wfo--0000507373 161 | <i>Gymnocalycium tudae</i> Y.Itô wfo--0000712703 156 |
| <i>Gymnocalycium spegazzinii</i> subsp. <i>spegazzinii</i> wfo-- 0001434834 162 | <i>Gymnocalycium uebelmannianum</i> Rausch wfo-- 0000712706 162 |
| <i>Gymnocalycium spegazzinii</i> var. <i>punillense</i> H.Till & W.Till wfo--0000712682 161 | <i>Gymnocalycium uruguayense</i> (Arechav.) Britton & Rose wfo--0000712707 155 |
| <i>Gymnocalycium spegazzinii</i> var. <i>recii</i> Milt wfo-- 0001434835 162 | <i>Gymnocalycium uruguayense</i> subsp. <i>aureiflorum</i> Prestlé wfo--0001434837 155 |
| <i>Gymnocalycium stellatum</i> (Speg.) Speg. wfo--0000712684 159 | <i>Gymnocalycium uruguayense</i> subsp. <i>bernabeense</i> Prestlé wfo--0001434838 155 |
| <i>Gymnocalycium stellatum</i> subsp. <i>occultum</i> Frič ex H.Till & W.Till wfo--0000712690 151 | <i>Gymnocalycium uruguayense</i> subsp. <i>rionegroense</i> Prestlé wfo--0001434839 155 |
| <i>Gymnocalycium stellatum</i> var. <i>flavispinum</i> Bozsing ex H.Till & W.Till wfo--0000712685 160 | <i>Gymnocalycium uruguayense</i> subsp. <i>schlosserianum</i> Prestlé wfo--0001434840 155 |
| <i>Gymnocalycium stellatum</i> var. <i>kleinianum</i> Rausch ex H.Till & W.Till wfo--0000712687 160 | <i>Gymnocalycium uruguayense</i> subsp. <i>topadorum</i> Prestlé wfo--0001434841 155 |

| | | | |
|---|-----|--|-----|
| <i>Gymnocalycium uruguayense</i> var. <i>roseiflorum</i> Y.Itô wfo--0000712709..... | 155 | <i>Haageocactus</i> Backeb. wfo--4000042546 | 162 |
| <i>Gymnocalycium valnicekianum</i> Jajó wfo--0000712710 | 157 | <i>Haageocereus</i> × <i>comosus</i> Rauh & Backeb. wfo--0001287687 | 163 |
| <i>Gymnocalycium valnicekianum</i> subsp. <i>prochazkianum</i> (Šorma) H.Till & Amerh. wfo--0000712712 | 157 | <i>Haageocereus</i> × <i>smaragdiflorus</i> Rauh & Backeb. wfo--0001287673 | 415 |
| <i>Gymnocalycium valnicekianum</i> var. <i>bicolor</i> H.Till & Amerh. wfo--0000712711 | 157 | <i>Haageocereus</i> <i>acanthocladus</i> Rauh & Backeb. wfo--0001287653 | 165 |
| <i>Gymnocalycium vatteri</i> Buining wfo--0000712713 | 158 | <i>Haageocereus</i> <i>achaetus</i> Rauh & Backeb. wfo--0001287621 | 162 |
| <i>Gymnocalycium vatteri</i> var. <i>altautinense</i> (Papsch) V.Gapon wfo--0000746534 | 158 | <i>Haageocereus</i> <i>acranthus</i> (Vaupel) Backeb. wfo--0001287614 | 162 |
| <i>Gymnocalycium venturianum</i> Backeb. wfo--0000712714 | 150 | <i>Haageocereus</i> <i>acranthus</i> f. <i>clavispinus</i> (Rauh & Backeb.) Ostolaza wfo--0001431123 | 162 |
| <i>Gymnocalycium volskyi</i> subsp. <i>angulatum</i> (Prestlé) V.Gapon, Chikin, Ponomareva, Protopopov, B. & Schelkun. wfo--0001431116..... | 155 | <i>Haageocereus</i> <i>acranthus</i> f. <i>repandus</i> (Rauh & Backeb.) Ostolaza wfo--0001431124..... | 162 |
| <i>Gymnocalycium volskyi</i> V.Gapon, Ponomareva, Protopopov, B., Schelkun. & Zaitseva wfo--0001431117 | 155 | <i>Haageocereus</i> <i>acranthus</i> f. <i>rubriflorior</i> (Rauh & Backeb.) Ostolaza wfo--0001431125..... | 163 |
| <i>Gymnocalycium vorwerkii</i> (Frič) Hutchison wfo--0000712715..... | 255 | <i>Haageocereus</i> <i>acranthus</i> subsp. <i>acranthus</i> wfo--0001434842 | 163 |
| <i>Gymnocalycium walteri</i> H.Till wfo--0000712716 | 149 | <i>Haageocereus</i> <i>acranthus</i> subsp. <i>backebergii</i> N.Calderón wfo--0001431126 | 163 |
| <i>Gymnocalycium weissianum</i> Backeb. wfo--0000712717 | 155 | <i>Haageocereus</i> <i>acranthus</i> subsp. <i>deflexispinus</i> (Rauh & Backeb.) Ostolaza wfo--0001431127 | 162 |
| <i>Gymnocalycium weissianum</i> var. <i>atroroseum</i> Backeb. wfo--0001431118 | 155 | <i>Haageocereus</i> <i>acranthus</i> subsp. <i>olowinskianus</i> (Backeb.) Ostolaza wfo--0001431128..... | 162 |
| <i>Gymnocalycium westii</i> Hutchison wfo--0000712719 | 387 | <i>Haageocereus</i> <i>acranthus</i> subsp. <i>zonatus</i> (Rauh & Backeb.) Ostolaza wfo--0001431129..... | 163 |
| <i>Gymnocalycium zegarrae</i> Cárdenas wfo--0000712720 | 159 | <i>Haageocereus</i> <i>acranthus</i> var. <i>crassispinus</i> Rauh & Backeb. wfo--0001287616 | 166 |
| <i>Gymnocalycium zegarrae</i> subsp. <i>millaresii</i> (Cárdenas) H.Till & W.Till wfo--0000712721 | 159 | <i>Haageocereus</i> <i>acranthus</i> var. <i>fortalezensis</i> Rauh & Backeb. wfo--0001287617 | 163 |
| <i>Gymnocalycium zegarrae</i> subsp. <i>riograndense</i> (Cárdenas) H.Till & Amerh. wfo--0000712722..... | 159 | <i>Haageocereus</i> <i>acranthus</i> var. <i>fortalezensis</i> Rauh & Backeb. wfo--0001431130 | 162 |
| <i>Gymnocalycium zegarrae</i> var. <i>riograndense</i> (Cárdenas) H.Till & Amerh. wfo--0000712723..... | 159 | <i>Haageocereus</i> <i>acranthus</i> var. <i>metachrous</i> Rauh & Backeb. wfo--0001287615 | 165 |
| <i>Gymnocereus altissima</i> Backeb. wfo--0001289231..... | 34 | <i>Haageocereus</i> <i>acranthus</i> var. <i>olowinskianus</i> (Backeb.) Ostolaza wfo--0001431131..... | 162 |
| <i>Gymnocereus altissimus</i> (F.Ritter) Backeb. wfo--0000712748..... | 34 | <i>Haageocereus</i> <i>akersii</i> Backeb. wfo--0000713947 | 164 |
| <i>Gymnocereus amstutziae</i> Rauh & Backeb. wfo--0000712749..... | 34 | <i>Haageocereus</i> <i>albisetatus</i> (Akers) Backeb. wfo--0001287661 | 393 |
| <i>Gymnocereus</i> Backeb. wfo--4000016459..... | 34 | <i>Haageocereus</i> <i>albisetatus</i> Cullmann wfo--0001289235 | 393 |
| <i>Gymnocereus microspermus</i> (Werderm. & Backeb.) Backeb. wfo--0000712750 | 34 | <i>Haageocereus</i> <i>albispinus</i> (Akers) Rauh & Backeb. wfo--0001287663 | 163 |
| <i>Gymnobrebutia buiningiana</i> (F.Ritter) Doweld wfo--0000712798..... | 385 | <i>Haageocereus</i> <i>albispinus</i> var. <i>floribundus</i> (Akers) Backeb. wfo--0001431132 | 164 |
| <i>Gymnobrebutia</i> Doweld wfo--4000016518..... | 378 | <i>Haageocereus</i> <i>albispinus</i> var. <i>roseospinus</i> (Akers) Backeb. wfo--0001431133 | 164 |
| <i>Gymnobrebutia hediniana</i> (Backeb.) Doweld wfo--0000712799..... | 384 | <i>Haageocereus</i> <i>albus</i> (F.Ritter) G.D.Rowley wfo--0000713950 | 377 |
| <i>Gymnobrebutia neocumingii</i> (Backeb.) Doweld wfo--0000712800..... | 384 | <i>Haageocereus</i> <i>albus</i> (F.Ritter) P.V.Heath wfo--0001259040 | 377 |
| <i>Gymnobrebutia neocumingii</i> subsp. <i>multispina</i> (F.Ritter) Doweld wfo--0001431119..... | 385 | <i>Haageocereus</i> <i>ambiguus</i> Rauh & Backeb. wfo--0001287631 | 163 |
| <i>Gymnobrebutia neocumingii</i> subsp. <i>trollii</i> (Oeser) Doweld wfo--0001431120..... | 385 | <i>Haageocereus</i> <i>ambiguus</i> var. <i>reductus</i> Rauh & Backeb. wfo--0001287632 | 163 |
| <i>Gymnobrebutia pulquinensis</i> (Cárdenas) Doweld wfo--0000712801..... | 384 | <i>Haageocereus</i> <i>andinus</i> F.Ritter wfo--0001289265 | 30 |
| <i>Gymnobrebutia pulquinensis</i> subsp. <i>corroana</i> (Cárdenas) Doweld wfo--0001431121..... | 384 | <i>Haageocereus</i> <i>aureispinus</i> Rauh & Backeb. wfo--0001287650 | 166 |
| <i>Gymnobrebutia pulquinensis</i> subsp. <i>mairanensis</i> (Donald) Doweld wfo--0001431122..... | 385 | <i>Haageocereus</i> <i>aureispinus</i> var. <i>fuscispinus</i> Rauh & Backeb. wfo--0001287652 | 165 |
| <i>Gymnobrebutia riograndensis</i> (F.Ritter) Doweld wfo--0000712803..... | 385 | <i>Haageocereus</i> <i>aureispinus</i> var. <i>rigidispinus</i> Rauh & Backeb. wfo--0001287651 | 165 |
| <i>Haagea</i> Frič wfo--4000016629 | 197 | | |
| <i>Haagea schwarzii</i> Frič wfo--0001271930 | 202 | | |

| | | | |
|--|-----|--|-----|
| <i>Haageocereus auricolor</i> Backeb. wfo--0000713952..... | 415 | <i>Haageocereus dichromus</i> Rauh & Backeb. wfo-- | |
| <i>Haageocereus australis</i> Backeb. wfo--0001287240 | 163 | 0001287674 | 165 |
| <i>Haageocereus australis</i> f. <i>nanus</i> F.Ritter wfo--0001287927 | | <i>Haageocereus dichromus</i> var. <i>pallidior</i> Rauh & Backeb. | |
| ..... | 163 | wfo--0001287675 | 165 |
| <i>Haageocereus australis</i> f. <i>subtilispinus</i> F.Ritter wfo-- | | <i>Haageocereus divaricatispinus</i> Rauh & Backeb. wfo-- | |
| 0001431134..... | 163 | 0001287689 | 165 |
| <i>Haageocereus australis</i> var. <i>acinacispinus</i> Rauh & Backeb. | | <i>Haageocereus eremiticus</i> F.Ritter wfo--0001289256 | 29 |
| wfo--0001287629..... | 163 | <i>Haageocereus familiaris</i> (F.Ritter) Lodé wfo--0001431142 | |
| <i>Haageocereus</i> Backeb. wfo--4000016630 | 162 | ..... | 318 |
| <i>Haageocereus bieblii</i> (Diers) Lodé wfo--0001431135 ... | 318 | <i>Haageocereus fascicularis</i> (Meyen) F.Ritter wfo-- | |
| <i>Haageocereus bieblii</i> subsp. <i>kuehhasii</i> (Diers) Lodé wfo-- | | 0001287831 | 163 |
| 0001431136..... | 318 | <i>Haageocereus faustianus</i> (Backeb.) F.Ritter wfo-- | |
| <i>Haageocereus bylesianus</i> (Andreae & Backeb.) Lodé wfo-- | | 0001288017 | 30 |
| 0001431137..... | 318 | <i>Haageocereus ferox</i> F.Ritter wfo--0001289261..... | 377 |
| <i>Haageocereus cephalomacrostibas</i> (Werderm. & Backeb.) | | <i>Haageocereus fulvus</i> F.Ritter wfo--0001287829..... | 163 |
| P.V.Heath wfo--0001259041 | 377 | <i>Haageocereus fulvus</i> var. <i>yautanensis</i> F.Ritter wfo-- | |
| <i>Haageocereus chalaensis</i> F.Ritter wfo--0001287826 | 163 | 0001287832 | 163 |
| <i>Haageocereus chilensis</i> F.Ritter ex D.R.Hunt wfo-- | | <i>Haageocereus horrens</i> Rauh & Backeb. wfo--0001287655 | |
| 0000713953..... | 163 | ..... | 165 |
| <i>Haageocereus chosicensis</i> Backeb. wfo--0001287657 ... | 164 | <i>Haageocereus horrens</i> var. <i>sphaerocarpus</i> Rauh & Backeb. | |
| <i>Haageocereus chosicensis</i> f. <i>rubrospinus</i> (Akers) Krainz | | wfo--0001287656 | 165 |
| wfo--0001431138..... | 164 | <i>Haageocereus humifusus</i> (Werderm. & Backeb.) Backeb. | |
| <i>Haageocereus chosicensis</i> var. <i>chrysacanthus</i> F.Ritter wfo-- | | wfo--0001289251 | 167 |
| -0001289250 | 166 | <i>Haageocereus hystrix</i> F.Ritter wfo--0001289264 | 30 |
| <i>Haageocereus chosicensis</i> var. <i>dichromus</i> F.Ritter & Krainz | | <i>Haageocereus icensis</i> Backeb. ex F.Ritter wfo-- | |
| wfo--0001289246..... | 165 | 0001287833 | 163 |
| <i>Haageocereus chosicensis</i> var. <i>marksianus</i> F.Ritter wfo-- | | <i>Haageocereus icosagonoides</i> f. <i>heteracanthus</i> F.Ritter wfo-- | |
| 0001289244..... | 165 | --0001287834..... | 167 |
| <i>Haageocereus chosicensis</i> var. <i>rubrispinus</i> (Akers) Backeb. | | <i>Haageocereus icosagonoides</i> Rauh & Backeb. wfo-- | |
| wfo--0001287658..... | 164 | 0001287644 | 167 |
| <i>Haageocereus chrysacanthus</i> (Akers) Backeb. wfo-- | | <i>Haageocereus imperialensis</i> F.Ritter wfo--0001289254 ... | 29 |
| 0001287668..... | 165 | <i>Haageocereus johnsonii</i> (F.Ritter) P.V.Heath wfo-- | |
| <i>Haageocereus chryseus</i> F.Ritter wfo--0000713955..... | 166 | 0001259044 | 378 |
| <i>Haageocereus churinensis</i> (F.Ritter) P.V.Heath wfo-- | | <i>Haageocereus kagenekii</i> (C.C.Gmel.) Mottram wfo-- | |
| 0001259042..... | 377 | 0001431143 | 164 |
| <i>Haageocereus clavatus</i> Cullmann wfo--0001289132 | 165 | <i>Haageocereus lachayensis</i> Rauh & Backeb. wfo-- | |
| <i>Haageocereus clavispinus</i> Rauh & Backeb. wfo-- | | 0001287622 | 166 |
| 0001287623..... | 162 | <i>Haageocereus lanugispinus</i> F.Ritter wfo--0001287835 ... | 166 |
| <i>Haageocereus climaxanthus</i> (Werderm.) Croizat wfo-- | | <i>Haageocereus laredensis</i> Backeb. wfo--0001287645 ... | 164 |
| 0001288673..... | 393 | <i>Haageocereus laredensis</i> var. <i>longispinus</i> Rauh & Backeb. | |
| <i>Haageocereus convergens</i> F.Ritter wfo--0001289255 | 29 | wfo--0001287646 | 165 |
| <i>Haageocereus crassiareolatus</i> Rauh & Backeb. wfo-- | | <i>Haageocereus laredensis</i> var. <i>montanus</i> F.Ritter wfo-- | |
| 0001287676..... | 165 | 0001289192 | 165 |
| <i>Haageocereus crassiareolatus</i> var. <i>smaragdisepalus</i> Rauh | | <i>Haageocereus laredensis</i> var. <i>pseudoversicolor</i> F.Ritter | |
| & Backeb. wfo--0001287677 | 165 | wfo--0001289188 | 165 |
| <i>Haageocereus cuzcoensis</i> (Kníže) P.V.Heath wfo-- | | <i>Haageocereus limensis</i> (Salm-Dyck) F.Ritter wfo-- | |
| 0001259043..... | 377 | 0001287836 | 166 |
| <i>Haageocereus cuzcoensis</i> var. <i>tenuarboreus</i> (F.Ritter) | | <i>Haageocereus limensis</i> var. <i>andicola</i> F.Ritter wfo-- | |
| P.V.Heath wfo--0001431139 | 377 | 0001287837 | 166 |
| <i>Haageocereus decumbens</i> (Vaupel) Backeb. wfo-- | | <i>Haageocereus limensis</i> var. <i>brevispinus</i> F.Ritter wfo-- | |
| 0000713957..... | 163 | 0001287838 | 166 |
| <i>Haageocereus decumbens</i> f. <i>spinosior</i> (Backeb.) Krainz | | <i>Haageocereus limensis</i> var. <i>deflexispinus</i> (Rauh & Backeb.) | |
| wfo--0001431140..... | 163 | F.Ritter wfo--0001287839..... | 162 |
| <i>Haageocereus decumbens</i> subsp. <i>tenuis</i> (F.Ritter) D.R.Hunt | | <i>Haageocereus limensis</i> var. <i>metachrous</i> (Rauh & Backeb.) | |
| wfo--0001431141..... | 166 | F.Ritter wfo--0001287840..... | 165 |
| <i>Haageocereus decumbens</i> var. <i>brevispinus</i> F.Ritter wfo-- | | <i>Haageocereus limensis</i> var. <i>zonatus</i> (Rauh & Backeb.) | |
| 0001287827..... | 163 | F.Ritter wfo--0001287841..... | 163 |
| <i>Haageocereus decumbens</i> var. <i>spinosior</i> Backeb. wfo-- | | <i>Haageocereus litoralis</i> Rauh & Backeb. wfo--0001287630 | |
| 0001287828..... | 163 | ..... | 163 |
| <i>Haageocereus deflexispinus</i> Rauh & Backeb. wfo-- | | <i>Haageocereus longiareolatus</i> Rauh & Backeb. wfo-- | |
| 0001287619..... | 162 | 0001287672 | 165 |
| <i>Haageocereus deserticola</i> F.Ritter wfo--0001289266 | 30 | | |

| | | | |
|--|-----|---|----------|
| <i>Haageocereus longicomus</i> (F.Ritter) P.V.Heath wfo-- 0001259045..... | 377 | <i>Haageocereus peniculatus</i> Rauh & Backeb. wfo-- 0001289136..... | 163 |
| <i>Haageocereus mamillatus</i> Rauh & Backeb. wfo-- 0001287633..... | 163 | <i>Haageocereus piliger</i> Rauh & Backeb. wfo--0001287667 | 165 |
| <i>Haageocereus mamillatus</i> var. <i>brevior</i> Rauh & Backeb. wfo--0001287634..... | 163 | <i>Haageocereus platinospinus</i> (Werderm. & Backeb.) Backeb. wfo--0001287628..... | 166 |
| <i>Haageocereus marksianus</i> F.Ritter wfo--0001289201 .. | 165 | <i>Haageocereus platinospinus</i> var. <i>pluriflorus</i> (Rauh & Backeb.) F.Ritter wfo--0001287858..... | 166 |
| <i>Haageocereus matucanensis</i> Backeb. wfo--0000713961 | 162 | <i>Haageocereus pluriflorus</i> Rauh & Backeb. wfo-- 0001287627..... | 166 |
| <i>Haageocereus melanostele</i> (Vaupel) W.T.Marshall wfo-- 0001289051..... | 134 | <i>Haageocereus pseudoacranthus</i> Rauh & Backeb. wfo-- 0001287620..... | 166 |
| <i>Haageocereus montanus</i> F.Ritter wfo--0001289263 | 30 | <i>Haageocereus pseudomelanostele</i> (Werderm. & Backeb.) Backeb. wfo--0001287682..... | 162, 164 |
| <i>Haageocereus multangularis</i> (Willd.) F.Ritter wfo-- 0001287842..... | 164 | <i>Haageocereus pseudomelanostele</i> f. <i>longicomus</i> (Akers) Ostolaza wfo--0001431147..... | 164 |
| <i>Haageocereus multangularis</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001431144..... | 165 | <i>Haageocereus pseudomelanostele</i> subsp. <i>acanthocladus</i> (Rauh & Backeb.) Ostolaza wfo--0001431148..... | 165 |
| <i>Haageocereus multangularis</i> var. <i>aureus</i> F.Ritter wfo-- 0001289248..... | 165 | <i>Haageocereus pseudomelanostele</i> subsp. <i>aureispinus</i> (Rauh & Backeb.) Ostolaza wfo--0001431149..... | 166 |
| <i>Haageocereus multangularis</i> var. <i>dichromus</i> (Rauh & Backeb.) F.Ritter wfo--0001287843 | 165 | <i>Haageocereus pseudomelanostele</i> subsp. <i>carminiflorus</i> (Rauh & Backeb.) Ostolaza wfo--0001431150..... | 166 |
| <i>Haageocereus multangularis</i> var. <i>pseudomelanostele</i> (Werderm. & Backeb.) F.Ritter wfo--0001287854 | 164 | <i>Haageocereus pseudomelanostele</i> subsp. <i>chryseus</i> D.R.Hunt wfo--0001431151..... | 166 |
| <i>Haageocereus multangularis</i> var. <i>turbidus</i> (Rauh & Backeb.) F.Ritter wfo--0001287855 | 166 | <i>Haageocereus pseudomelanostele</i> subsp. <i>pseudomelanostele</i> wfo--0001434843..... | 166 |
| <i>Haageocereus multicolorispinus</i> Buining wfo--0001288251 | 163 | <i>Haageocereus pseudomelanostele</i> subsp. <i>turbidus</i> (Rauh & Backeb.) Ostolaza wfo--0001255377..... | 166 |
| <i>Haageocereus neglectus</i> F.Ritter wfo--0001289257 | 29 | <i>Haageocereus pseudomelanostele</i> var. <i>aureispinus</i> (Rauh & Backeb.) Ostolaza wfo--0001431152..... | 166 |
| <i>Haageocereus ocona-camanensis</i> Rauh & Backeb. wfo-- 0001289134..... | 163 | <i>Haageocereus pseudomelanostele</i> var. <i>carminiflorus</i> Rauh & Backeb. wfo--0001287683 | 166 |
| <i>Haageocereus olowinskianus</i> Backeb. wfo--0001287624 | 162 | <i>Haageocereus pseudomelanostele</i> var. <i>chrysacanthus</i> (Akers) Krainz wfo--0001289245 | 165 |
| <i>Haageocereus olowinskianus</i> subvar. <i>erythranthus</i> Rauh & Backeb. wfo--0001431145 | 162 | <i>Haageocereus pseudomelanostele</i> var. <i>clavatus</i> Backeb. wfo--0001287684 | 165 |
| <i>Haageocereus olowinskianus</i> var. <i>repandus</i> Rauh & Backeb. wfo--0001287625 | 162 | <i>Haageocereus pseudomelanostele</i> var. <i>longicomus</i> (Akers) Backeb. wfo--0001431153 | 164 |
| <i>Haageocereus olowinskianus</i> var. <i>rubriflorior</i> Rauh & Backeb. wfo--0001289243 | 163 | <i>Haageocereus pseudomelanostele</i> var. <i>setosus</i> (Akers) Backeb. wfo--0001289247..... | 164 |
| <i>Haageocereus olowinskianus</i> var. <i>subintertextus</i> Rauh & Backeb. wfo--0001287626 | 166 | <i>Haageocereus pseudomelanostele</i> var. <i>turbidus</i> (Rauh & Backeb.) Ostolaza wfo--0001431154..... | 166 |
| <i>Haageocereus pacalaensis</i> Backeb. wfo--0001287647 .. | 164 | <i>Haageocereus pseudoversicolor</i> Rauh & Backeb. wfo-- 0001287643 | 167 |
| <i>Haageocereus pacalaensis</i> subsp. <i>repens</i> (Rauh & Backeb.) Ostolaza wfo--0001431146 | 166 | <i>Haageocereus rauhii</i> (Backeb.) P.V.Heath wfo-- 0001259046..... | 377 |
| <i>Haageocereus pacalaensis</i> var. <i>laredensis</i> Krainz wfo-- 0001289189..... | 165 | <i>Haageocereus rauhii</i> var. <i>laticornua</i> (Rauh) P.V.Heath wfo-- --0001431155..... | 377 |
| <i>Haageocereus pacalaensis</i> var. <i>longispinus</i> (Rauh & Backeb.) Krainz wfo--0001289199 | 165 | <i>Haageocereus repens</i> Rauh & Backeb. wfo--0001287635 | 166 |
| <i>Haageocereus pacalaensis</i> var. <i>montanus</i> F.Ritter wfo-- 0001289191..... | 165 | <i>Haageocereus rigidissimus</i> Backeb. wfo--0001289138. 415 | |
| <i>Haageocereus pacalaensis</i> var. <i>pseudoversicolor</i> (Rauh & Backeb.) F.Ritter & Krainz wfo--0001287856 | 165 | <i>Haageocereus rigidispinus</i> Rauh & Backeb. wfo-- 0001289137 | 165 |
| <i>Haageocereus pacalaensis</i> var. <i>repens</i> Krainz wfo-- 0001289190..... | 165 | <i>Haageocereus rigidissimus</i> Backeb. wfo--0000713965. 415 | |
| <i>Haageocereus pacaranensis</i> F.Ritter wfo--0001289253 .. | 29 | <i>Haageocereus rubrospinus</i> (Akers) Cullmann wfo-- 0001289139 | 164 |
| <i>Haageocereus pacaranensis</i> var. <i>tenuispinus</i> F.Ritter wfo-- 0001289258..... | 29 | <i>Haageocereus salmonoideus</i> (Akers) Backeb. wfo-- 0001287685 | 164 |
| <i>Haageocereus pachystele</i> Rauh & Backeb. wfo-- 0001287690..... | 166 | <i>Haageocereus salmonoideus</i> var. <i>rubrispinus</i> Rauh wfo-- 0001287907 | 165 |
| <i>Haageocereus paradoxus</i> Rauh & Backeb. wfo-- 0001289135..... | 163 | <i>Haageocereus seticeps</i> Rauh & Backeb. wfo--0001287678 | 166 |
| <i>Haageocereus peculiaris</i> (Rauh & Backeb.) F.Ritter wfo-- 0001288021..... | 30 | | |

| | | | |
|--|-----|--|----------|
| <i>Haageocereus seticeps</i> var. <i>robustispinus</i> Rauh & Backeb. wfo--0001287679..... | 166 | <i>Haageocereus zehnderi</i> Rauh & Backeb. wfo--0001287671..... | 165 |
| <i>Haageocereus setosus</i> (Akers) Backeb. wfo--0001287664..... | 164 | <i>Haageocereus zonatus</i> Rauh & Backeb. wfo--0001287618..... | 163 |
| <i>Haageocereus setosus</i> var. <i>longicoma</i> (Akers) Backeb. wfo--0001287666..... | 164 | <i>Hageocereus aureispinus</i> var. <i>fuscispinus</i> Rauh & Backeb. wfo--0001431163..... | 166 |
| <i>Haageocereus subtilispinus</i> F.Ritter wfo--0001287857..... | 163 | <i>Hamatocactus bicolor</i> (Terán & Berland.) I.M.Johnst. wfo--0001236060..... | 368 |
| <i>Haageocereus symmetros</i> Rauh & Backeb. wfo--0001287688..... | 165 | <i>Hamatocactus Britton & Rose</i> wfo--4000016793..... | 364 |
| <i>Haageocereus tenuis</i> F.Ritter wfo--0001287859..... | 166 | <i>Hamatocactus crassihamatus</i> (F.A.C.Weber) Buxb. wfo--0001273787..... | 141 |
| <i>Haageocereus tenuispinus</i> Rauh & Backeb. wfo--0001287654..... | 165 | <i>Hamatocactus hamatacanthus</i> (Muehlenpf.) F.M.Knuth wfo--0000715303..... | 139 |
| <i>Haageocereus torataensis</i> (F.Ritter) P.V.Heath wfo--0001259047..... | 377 | <i>Hamatocactus hamatacanthus</i> subsp. <i>sinuatus</i> (A.Dietr.) Lodé wfo--0001431164..... | 139 |
| <i>Haageocereus turbidus</i> Rauh & Backeb. wfo--0001287680..... | 166 | <i>Hamatocactus hamatacanthus</i> var. <i>davisii</i> (Houghton & C.A.Armstr.) W.T.Marshall wfo--0001431165..... | 139 |
| <i>Haageocereus turbidus</i> var. <i>maculatus</i> Rauh & Backeb. wfo--0001287681..... | 166 | <i>Hamatocactus hamatocanthus</i> (Houghton) W.T.Marshall wfo--0001288689..... | 415 |
| <i>Haageocereus variabilis</i> F.Ritter wfo--0001289260..... | 32 | <i>Hamatocactus hamatocanthus</i> var. <i>davisii</i> (Houghton) W.T.Marshall wfo--0001288688..... | 415 |
| <i>Haageocereus versicolor</i> (Werderm. & Backeb.) Backeb. wfo--0001287636..... | 167 | <i>Hamatocactus setispinus</i> (Engelm.) Britton & Rose wfo--0001288276..... | 364, 368 |
| <i>Haageocereus versicolor</i> f. <i>aureispinus</i> (Backeb.) Krainz wfo--0001431156..... | 167 | <i>Hamatocactus setispinus</i> f. <i>cachetianus</i> (Labour.) Krainz wfo--0001431166..... | 368 |
| <i>Haageocereus versicolor</i> f. <i>cristatus</i> P.V.Heath wfo--0001431157..... | 167 | <i>Hamatocactus setispinus</i> f. <i>flavibaccatus</i> G.Unger wfo--0001431167..... | 368 |
| <i>Haageocereus versicolor</i> f. <i>fuscus</i> (Backeb.) Krainz wfo--0001431158..... | 167 | <i>Hamatocactus setispinus</i> f. <i>orcuttii</i> (K.Schum.) Krainz wfo--0001431168..... | 368 |
| <i>Haageocereus versicolor</i> f. <i>lasiacanthus</i> (Backeb.) Krainz wfo--0001431159..... | 167 | <i>Hamatocactus sinuatus</i> (A.Dietr.) Orcutt wfo--0000715304..... | 139 |
| <i>Haageocereus versicolor</i> subsp. <i>pseudoversicolor</i> (Rauh & Backeb.) N.Calderón wfo--0001431160..... | 167 | <i>Hamatocactus uncinatus</i> (Galeotti ex Pfeiff.) Buxb. wfo--0001273798..... | 143 |
| <i>Haageocereus versicolor</i> subsp. <i>versicolor</i> wfo--0001434845..... | 167 | <i>Hamatocactus uncinatus</i> subsp. <i>crassihamatus</i> (F.A.C.Weber) Glass wfo--0001286189..... | 141 |
| <i>Haageocereus versicolor</i> var. <i>aureispinus</i> Backeb. wfo--0001287638..... | 167 | <i>Hamatocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) Bravo wfo--0001286198..... | 143 |
| <i>Haageocereus versicolor</i> var. <i>catacanthus</i> Rauh & Backeb. wfo--0001287640..... | 167 | <i>Hamatocactus wrightii</i> (Engelm.) Orcutt wfo--0001286199..... | 143 |
| <i>Haageocereus versicolor</i> var. <i>fuscus</i> Backeb. wfo--0001287639..... | 167 | <i>Hariota</i> Adans. wfo--4000042723..... | 327 |
| <i>Haageocereus versicolor</i> var. <i>humifusus</i> Backeb. wfo--0001287642..... | 167 | <i>Hariota alata</i> (Sw.) Kuntze wfo--0000715672..... | 317 |
| <i>Haageocereus versicolor</i> var. <i>lasiacanthus</i> Backeb. wfo--0001287637..... | 167 | <i>Hariota alternata</i> Lem. wfo--0000715673..... | 331 |
| <i>Haageocereus versicolor</i> var. <i>paitanus</i> F.Ritter wfo--0001289249..... | 167 | <i>Hariota bambusoides</i> (F.A.C.Weber) F.A.C.Weber wfo--0000715674..... | 170 |
| <i>Haageocereus versicolor</i> var. <i>proliferus</i> Rauh wfo--0001289140..... | 167 | <i>Hariota bambusoides</i> var. <i>delicatula</i> (Loefgr.) A.Cast. wfo--0000715675..... | 329 |
| <i>Haageocereus versicolor</i> var. <i>xanthacanthus</i> (Werderm. & Backeb.) Backeb. wfo--0001287641..... | 167 | <i>Hariota boliviana</i> Britton wfo--0000715676..... | 306 |
| <i>Haageocereus viridiflorus</i> (Akers) Backeb. wfo--0001287648..... | 164 | <i>Hariota cassytha</i> Cels ex C.F.Först. wfo--0000715677..... | 328 |
| <i>Haageocereus vulpes</i> F.Ritter wfo--0001287860..... | 165 | <i>Hariota cassytha</i> Lem. wfo--0001287179..... | 328 |
| <i>Haageocereus weberbaueri</i> (K.Schum. ex Vaupel) D.R.Hunt wfo--0001288014..... | 377 | <i>Hariota cereiformis</i> Kuntze wfo--0000715678..... | 306 |
| <i>Haageocereus weberbaueri</i> var. <i>horridispinus</i> (Rauh & Backeb.) P.V.Heath wfo--0001431161..... | 377 | <i>Hariota cereuscula</i> (Haw.) Kuntze wfo--0000715679..... | 328 |
| <i>Haageocereus winterianus</i> (F.Ritter) P.V.Heath wfo--0001259048..... | 378 | <i>Hariota cinerea</i> Britton wfo--0000715681..... | 194 |
| <i>Haageocereus winterianus</i> var. <i>australis</i> (F.Ritter) P.V.Heath wfo--0001431162..... | 378 | <i>Hariota clavata</i> F.A.C.Weber ex Britton & Rose wfo--0000715682..... | 329 |
| <i>Haageocereus zangalensis</i> F.Ritter wfo--0001287861..... | 167 | <i>Hariota clavata</i> var. <i>deliculata</i> (Loefgr.) A.Cast. wfo--0000715683..... | 329 |
| | | <i>Hariota conferta</i> Kuntze wfo--0000715684..... | 332 |
| | | <i>Hariota coriacea</i> (Pol.) Kuntze wfo--0000715685..... | 173 |
| | | <i>Hariota crenata</i> Britton wfo--0000715686..... | 194 |
| | | <i>Hariota cribrata</i> Lem. wfo--0000715687..... | 328 |
| | | <i>Hariota crispata</i> (Haw.) Kuntze wfo--0000715688..... | 329 |
| | | <i>Hariota cruciformis</i> Kuntze wfo--0000715689..... | 175 |

| | |
|--|--|
| <i>Hariota cylindrica</i> (Britton & Rose) A.Berger wfo-- 0000715692..... 170 | <i>Hariota salicornioides</i> f. <i>gracilior</i> (Salm-Dyck ex C.F.Först.) A.Cast. wfo--0000715738 170 |
| <i>Hariota cylindrica</i> (Vell.) Kuntze wfo--0000715690 330 | <i>Hariota salicornioides</i> f. <i>strictior</i> (C.F.Först.) A.Cast. wfo-- 0000715740 170 |
| <i>Hariota</i> DC. wfo--4000016919 169 | <i>Hariota salicornioides</i> f. <i>villigera</i> (K.Schum.) A.Cast. wfo-- 0000715741 170 |
| <i>Hariota epiphylloides</i> (Porto & Werderm.) Porto & A.Cast. wfo--0000715693..... 334 | <i>Hariota salicornioides</i> var. <i>gracilior</i> Gürke wfo-- 0000715737 170 |
| <i>Hariota epiphylloides</i> var. <i>bradei</i> Porto & A.Cast. wfo-- 0000715694..... 334 | <i>Hariota salicornioides</i> var. <i>strictior</i> Gürke wfo-- 0000715739 170 |
| <i>Hariota fasciculata</i> (Willd.) Kuntze wfo--0000715696 .. 327 | <i>Hariota sarmentacea</i> (Otto & A.Dietr.) Kuntze wfo-- 0000715742 176 |
| <i>Hariota floccosa</i> (Salm-Dyck ex Pfeiff.) Kuntze wfo-- 0000715698..... 329 | <i>Hariota spatulata</i> Kuntze wfo--0000715743 407 |
| <i>Hariota floccosa</i> (Salm-Dyck ex Pfeiff.) Lem. wfo-- 0001431169..... 329 | <i>Hariota squamulosa</i> (K.Schum.) Kuntze wfo--0000715744 175 |
| <i>Hariota floccosa</i> Cels ex C.F.Först. wfo--0000715697 ... 329 | <i>Hariota stricta</i> K.Schum. wfo--0000715745..... 170 |
| <i>Hariota funalis</i> (Salm-Dyck ex DC.) Lem. wfo--0001431170 330 | <i>Hariota swartziana</i> (Pfeiff.) Lem. wfo--0000715747 317 |
| <i>Hariota funalis</i> Cels ex C.F.Först. wfo--0000715699 330 | <i>Hariota teres</i> (Vell.) Kuntze wfo--0000715748 332 |
| <i>Hariota gracilis</i> F.A.C.Weber wfo--0000715700 170 | <i>Hariota trigona</i> (Pfeiff.) Kuntze wfo--0000715749 333 |
| <i>Hariota gracilis</i> F.A.C.Weber wfo--0001431171..... 170 | <i>Hariota triquetra</i> (Vell.) Kuntze wfo--0000715750 331 |
| <i>Hariota grandiflora</i> (Haw.) Kuntze wfo--0000715702... 330 | <i>Hariota tucumanensis</i> (F.A.C.Weber) Kuntze wfo-- 0000715751 333 |
| <i>Hariota herminiae</i> Porto & A.Cast. wfo--0000715703 .. 170 | <i>Hariota villigera</i> K.Schum. wfo--0000715752 170 |
| <i>Hariota horrida</i> Kuntze wfo--0000715704 328 | <i>Harrisia aboriginum</i> Small ex Britton & Rose wfo-- 0001287488 167 |
| <i>Hariota houlettiana</i> (Lem.) Kuntze wfo--0000715705... 176 | <i>Harrisia ascendens</i> (Gürke) Britton & Rose wfo-- 0000715880 167 |
| <i>Hariota knightii</i> (Pfeiff.) Kuntze wfo--0000715706 175 | <i>Harrisia balansae</i> (K.Schum.) N.P.Taylor & Zappi wfo-- 0001239343 168 |
| <i>Hariota knightii</i> var. <i>tenuispinis</i> Kuntze wfo--0000715707 175 | <i>Harrisia bonplandii</i> (Parm. ex Pfeiff.) Britton & Rose wfo-- 0000715881 168 |
| <i>Hariota lindbergiana</i> (K.Schum.) Kuntze wfo--0000715708 330 | <i>Harrisia</i> Britton wfo--4000016970 167 |
| <i>Hariota lumbricalis</i> Kuntze wfo--0000715709..... 176 | <i>Harrisia brookii</i> Britton wfo--0001289819 168 |
| <i>Hariota macrocarpa</i> (Miq.) Kuntze wfo--0000715710 .. 110 | <i>Harrisia caymanensis</i> A.R.Franck wfo--0001431172.... 168 |
| <i>Hariota mesembrianthemoides</i> Lem. wfo--0000715711 330 | <i>Harrisia cubensis</i> (Zucc. ex Seitz) Greuter & R.Rankin wfo-- 0001431173 397 |
| <i>Hariota mesembryanthemodes</i> Kuntze wfo--0000715714 330 | <i>Harrisia divaricata</i> (Lam.) Backeb. wfo--0001431174... 168 |
| <i>Hariota micrantha</i> (Kunth) Kuntze wfo--0000715715... 330 | <i>Harrisia divaricata</i> (Lam.) Lourteig wfo--0001252162.. 168 |
| <i>Hariota monacantha</i> (Griseb.) Kuntze wfo--0000715716 307 | <i>Harrisia donae-antoniae</i> Hooten wfo--0001289101.... 167 |
| <i>Hariota pachyptera</i> (Pfeiff.) Kuntze wfo--0000715717 . 331 | <i>Harrisia earlei</i> Britton & Rose wfo--0000715883..... 168 |
| <i>Hariota paradoxa</i> (Salm-Dyck ex Pfeiff.) Kuntze wfo-- 0000715718..... 331 | <i>Harrisia eriophora</i> (Pfeiff.) Britton wfo--0001289816 .. 168 |
| <i>Hariota parasitica</i> Kuntze wfo--0000715719 328 | <i>Harrisia eriophora</i> var. <i>fragrans</i> (Small ex Britton & Rose) D.B.Ward wfo--0001431175 168 |
| <i>Hariota penduliflora</i> (N.E.Br.) Kuntze wfo--0000715720 328 | <i>Harrisia fernowii</i> Britton wfo--0000715884 168 |
| <i>Hariota pentaptera</i> (Pfeiff. ex A.Dietr.) Kuntze wfo-- 0000715723..... 332 | <i>Harrisia fimbriata</i> (Lam.) F.M.Knuth wfo--0001288788 357 |
| <i>Hariota pentaptera</i> (Pfeiff. ex A.Dietr.) Lem. wfo-- 0000715721..... 332 | <i>Harrisia fragrans</i> Small ex Britton & Rose wfo-- 0001287490 168 |
| <i>Hariota pentaptera</i> Lem. ex C.F.Först. wfo--0000715722 332 | <i>Harrisia gracilis</i> (Mill.) Britton wfo--0000715885 .. 167, 168 |
| <i>Hariota platycarpa</i> (Zucc.) Kuntze wfo--0000715725 ... 407 | <i>Harrisia gracilis</i> var. <i>aboriginum</i> (Small ex Britton & Rose) D.B.Ward wfo--0001431176 167 |
| <i>Hariota prismatica</i> Lem. wfo--0000715726 333 | <i>Harrisia gracilis</i> var. <i>simpsonii</i> (Small ex Britton & Rose) D.B.Ward wfo--0001431177 168 |
| <i>Hariota ramosissima</i> (Lem.) Kuntze wfo--0000715727. 175 | <i>Harrisia guelichii</i> (Speg.) Britton & Rose wfo--0001289274 168 |
| <i>Hariota rhombea</i> (Salm-Dyck) Kuntze wfo--0000715729 332 | <i>Harrisia hahniana</i> (Backeb.) Kimnach & Hutchison ex Kinnach wfo--0001252413..... 348 |
| <i>Hariota riedeliana</i> Kuntze wfo--0000715730 407 | <i>Harrisia hurstii</i> W.T.Marshall wfo--0000715887 169 |
| <i>Hariota robusta</i> (Lem.) Kuntze wfo--0000715731 331 | <i>Harrisia jusbertii</i> (Rebut) Borg wfo--0000715889 169 |
| <i>Hariota rugosa</i> (Lem.) Kuntze wfo--0000715732 329 | <i>Harrisia jusbertii</i> (Rebut) Frič wfo--0000715888..... 169 |
| <i>Hariota rugulosa</i> (Lem.) Kuntze wfo--0001223657 329 | <i>Harrisia martinii</i> (Labour.) Britton wfo--0001287227 ... 169 |
| <i>Hariota saglionis</i> Lem. wfo--0000715733 328 | <i>Harrisia nashii</i> Britton wfo--0001289818 168 |
| <i>Hariota salicornioides</i> (Haw.) DC. wfo--0000715734 170 | |
| <i>Hariota salicornioides</i> (Haw.) Kuntze wfo--0000715736 170 | |

| | | | |
|--|--------|---|----------|
| <i>Harrisia nashii</i> var. <i>straminea</i> W.T.Marshall wfo-- 0001431178..... | 168 | <i>Hatiora herminiae</i> (Porto & A.Cast.) Backeb. wfo-- 0001431182..... | 170 |
| <i>Harrisia perviridis</i> (Weing.) Borg wfo--0000715891..... | 169 | <i>Hatiora houlettiana</i> (Lem.) Kuntze wfo--0001257898.. | 176 |
| <i>Harrisia platygona</i> (Otto) Britton & Rose wfo-- 0001289821..... | 168 | <i>Hatiora pentaptera</i> (Pfeiff. ex A.Dietr.) Lem. wfo-- 0001257897..... | 332 |
| <i>Harrisia pomanensis</i> (F.A.C.Weber ex K.Schum.) Britton & Rose wfo--0001289289..... | 169 | <i>Hatiora rosea</i> (Lagerh.) Barthlott wfo--0001239338.... | 326 |
| <i>Harrisia pomanensis</i> subsp. <i>bonplandii</i> (Parm. ex Pfeiff.) Braun & Esteves wfo--0001240667..... | 168 | <i>Hatiora rosea</i> f. <i>remanens</i> (Backeb.) Süplie wfo-- 0000716170..... | 326 |
| <i>Harrisia pomanensis</i> subsp. <i>pomanensis</i> wfo-- 0001240668..... | 169 | <i>Hatiora salicornioides</i> (Haw.) Britton & Rose wfo-- 0000716171..... | 169, 170 |
| <i>Harrisia pomanensis</i> subsp. <i>regelii</i> (Weing.) R.Kiesling wfo- --0000715892..... | 169 | <i>Hatiora salicornioides</i> f. <i>bambusoides</i> (F.A.C.Weber) Süplie wfo--0001259071..... | 170 |
| <i>Harrisia pomanensis</i> subsp. <i>tarijensis</i> Braun & Esteves wfo- --0001240669..... | 169 | <i>Hatiora salicornioides</i> f. <i>cylindrica</i> (Britton & Rose) Süplie wfo--0001431183..... | 170 |
| <i>Harrisia portoricensis</i> Britton wfo--0001289817..... | 169 | <i>Hatiora salicornioides</i> f. <i>gracilis</i> (F.A.C.Weber) Süplie wfo- --0000716173..... | 170 |
| <i>Harrisia regelii</i> (Weing.) Borg wfo--0000715893..... | 169 | <i>Hatiora salicornioides</i> f. <i>salicornioides</i> wfo--0001434846 | 170 |
| <i>Harrisia serruliflora</i> (Haw.) Lourteig wfo--0001431179 | 168 | <i>Hatiora salicornioides</i> f. <i>stricta</i> (Cels ex F.A.C.Weber) Süplie wfo--0000716174..... | 170 |
| <i>Harrisia serruliflorus</i> (Haw.) Lourteig wfo--0001252163 | 168 | <i>Hatiora salicornioides</i> f. <i>villigera</i> (K.Schum.) Süplie wfo-- 0001431184..... | 170 |
| <i>Harrisia simpsonii</i> Small ex Britton & Rose wfo-- 0001287489..... | 168 | <i>Hatiora salicornioides</i> var. <i>stricta</i> (Cels ex F.A.C.Weber) Backeb. wfo--0001431185..... | 170 |
| <i>Harrisia taetra</i> Areces wfo--0000715895..... | 169 | <i>Hatiora salicornioides</i> var. <i>villigera</i> (K.Schum.) Backeb. wfo--0001431186..... | 170 |
| <i>Harrisia taylorii</i> Britton wfo--0001289820..... | 168 | <i>Hatiora saluginoides</i> Britton & Rose wfo--0001220498 | 170 |
| <i>Harrisia tetraacantha</i> (Labour.) D.R.Hunt wfo--0001249967 | 169 | <i>Hatiora subg. Rhipsalidopsis</i> (Britton & Rose) Barthlott wfo--3500004030..... | 326 |
| <i>Harrisia tortuosa</i> (J.Forbes) Britton & Rose wfo-- 0001289287..... | 169 | <i>Hatiora teres</i> (Vell.) Kuntze wfo--0001257894..... | 332 |
| <i>Harrisia tortuosa</i> subsp. <i>uruguayensis</i> (Osten) Lodé wfo-- 0001431180..... | 169 | <i>Heliabravoa</i> Backeb. wfo--4000017193..... | 315 |
| <i>Harrisia tortuosa</i> var. <i>uruguayensis</i> Osten wfo-- 0000715896..... | 169 | <i>Heliabravoa chende</i> (Rol.-Goss.) Backeb. wfo-- 0001243726..... | 315 |
| <i>Harrisia undata</i> Britton wfo--0000715897..... | 168 | <i>Helianthocereus andalgalensis</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo--0001289093..... | 348 |
| <i>Haseltonia</i> Backeb. wfo--4000017002..... | 35 | <i>Helianthocereus antezanae</i> (Cárdenas) Backeb. wfo-- 0000717840..... | 350 |
| <i>Haseltonia columna-trajani</i> (Karw. ex Pfeiff.) Backeb. wfo-- -0000716134..... | 36 | <i>Helianthocereus atacamensis</i> (Phil.) Backeb. wfo-- 0001287241..... | 178 |
| <i>Haseltonia hoppenstedtii</i> (F.A.C.Weber) Backeb. wfo-- 0000716135..... | 35, 36 | <i>Helianthocereus</i> Backeb. wfo--4000017205..... | 345 |
| <i>Hatiora xgraeseri</i> (Werderm.) Barthlott ex D.R.Hunt wfo-- 0001239340..... | 326 | <i>Helianthocereus bertramianus</i> (Backeb.) Backeb. wfo-- 0000717841..... | 350 |
| <i>Hatiora xgraeseri</i> (Werderm.) Barthlott wfo--0001431181 | 326 | <i>Helianthocereus conaconensis</i> (Cárdenas) Backeb. wfo-- 0000717842..... | 350 |
| <i>Hatiora bambusoides</i> (F.A.C.Weber) Britton & Rose wfo-- 0001257891..... | 170 | <i>Helianthocereus crassicaulis</i> Backeb. wfo--0000717843 | 347 |
| <i>Hatiora</i> Britton & Rose wfo--4000017015..... | 169 | <i>Helianthocereus escayachensis</i> (Cárdenas) Backeb. wfo-- 0000717845..... | 180 |
| <i>Hatiora clavata</i> (F.A.C.Weber) Moran wfo--0001252056 | 329 | <i>Helianthocereus grandiflorus</i> (Britton & Rose) Backeb. wfo- --0000717846..... | 348 |
| <i>Hatiora cylindrica</i> Britton & Rose wfo--0001257893.... | 170 | <i>Helianthocereus herzogianus</i> (Cárdenas) Backeb. wfo-- 0000717847..... | 350 |
| <i>Hatiora epiphylloides</i> (Porto & Werderm.) P.V.Heath wfo-- 0000716164..... | 334 | <i>Helianthocereus herzogianus</i> var. <i>totorensis</i> (Cárdenas) Backeb. wfo--0001431187..... | 350 |
| <i>Hatiora epiphylloides</i> f. <i>bradei</i> (Porto & A.Cast.) P.V.Heath wfo--0000716165..... | 334 | <i>Helianthocereus huascha</i> (F.A.C.Weber) Backeb. wfo-- 0000717848..... | 348 |
| <i>Hatiora epiphylloides</i> subsp. <i>bradei</i> (Porto & A.Cast.) Barthlott & N.P.Taylor wfo--0000716166..... | 334 | <i>Helianthocereus huascha</i> var. <i>auricolor</i> (Backeb.) Backeb. wfo--0001431188..... | 348 |
| <i>Hatiora epiphylloides</i> subsp. <i>epiphylloides</i> wfo-- 0001255376..... | 334 | <i>Helianthocereus huascha</i> var. <i>macranthus</i> Backeb. wfo-- 0001431189..... | 348 |
| <i>Hatiora floccosa</i> (Salm-Dyck ex Pfeiff.) Lem. wfo-- 0001257896..... | 329 | <i>Helianthocereus huascha</i> var. <i>rubriflorus</i> (F.A.C.Weber) Backeb. wfo--0001431190..... | 348 |
| <i>Hatiora gaertneri</i> (Regel) Barthlott wfo--0001239336.. | 326 | | |
| <i>Hatiora gaertneri</i> f. <i>serrata</i> (Linding.) Süplie wfo-- 0000716168..... | 326 | | |
| <i>Hatiora herminiae</i> (Porto & A.Cast.) Backeb. ex Barthlott wfo--0000716169..... | 170 | | |

| | | | |
|---|----------|---|----------|
| <i>Helianthocereus hyalacanthus</i> (Speg.) Backeb. wfo-- 0000717849..... | 348 | <i>Heliocereus elegantissimus</i> var. <i>stenopetalum</i> Bravo ex S.Arias, U.Guzmán & Gama wfo--0001289973 | 86 |
| <i>Helianthocereus narvaecensis</i> (Cárdenas) Backeb. wfo-- 0000717850..... | 350 | <i>Heliocereus elegantissimus</i> var. <i>stenopetalum</i> Bravo ex S.Arias, U.Guzmán & Gama wfo--0001431201 | 86 |
| <i>Helianthocereus orurensis</i> (Cárdenas) Backeb. wfo-- 0000717853..... | 350 | <i>Heliocereus heterodoxus</i> Standl. & Steyererm. wfo-- 0000718236 | 85 |
| <i>Helianthocereus orurensis</i> var. <i>albiflorus</i> (Cárdenas) Backeb. wfo--0001431191 | 350 | <i>Heliocereus lodei</i> (Véliz, L.Velásquez & R.Puente) Véliz wfo-- --0001431202..... | 84 |
| <i>Helianthocereus pasacanus</i> (F.A.C.Weber ex Rümpler) Backeb. wfo--0000717854 | 178 | <i>Heliocereus luzmariae</i> Scheinvar wfo--0001245164..... | 86 |
| <i>Helianthocereus pecheretianus</i> Backeb. wfo--0000717855 | 348 | <i>Heliocereus macdougalii</i> (Alexander) Doweld wfo-- 0000718238 | 84 |
| <i>Helianthocereus pecheretianus</i> var. <i>viridior</i> Backeb. wfo-- 0001431192..... | 348 | <i>Heliocereus phyllanthoides</i> (DC.) Doweld wfo-- 0000718239 | 84 |
| <i>Helianthocereus poco</i> (Backeb.) Backeb. wfo--0000717856 | 345, 350 | <i>Heliocereus schrankii</i> (Zucc. ex Seitz) Britton & Rose wfo-- 0001288295 | 85 |
| <i>Helianthocereus poco</i> var. <i>albiflorus</i> (Cárdenas) Backeb. wfo--0001431193..... | 350 | <i>Heliocereus schrankii</i> subsp. <i>helenae</i> (Scheinvar) Doweld wfo--0001431203 | 86 |
| <i>Helianthocereus poco</i> var. <i>fricianus</i> (Cárdenas) Backeb. wfo--0001431194..... | 350 | <i>Heliocereus schrankii</i> subsp. <i>luzmariae</i> (Scheinvar) U.Guzmán wfo--0001286416..... | 86 |
| <i>Helianthocereus poco</i> var. <i>sanguiniflorus</i> Backeb. wfo-- 0001431195..... | 350 | <i>Heliocereus schrankii</i> subsp. <i>schrankii</i> wfo--0001286417 | 85 |
| <i>Helianthocereus pseudocandicans</i> Backeb. wfo-- 0000717857..... | 346 | <i>Heliocereus schrankii</i> subsp. <i>stenopetalus</i> (Bravo ex S.Arias, U.Guzmán & Gama) U.Guzmán wfo-- 0001286422 | 86 |
| <i>Helianthocereus pseudocandicans</i> var. <i>flaviflorus</i> Backeb. wfo--0001431196..... | 346 | <i>Heliocereus schrankii</i> var. <i>elegantissimus</i> (Britton & Rose) Backeb. wfo--0001431204..... | 85 |
| <i>Helianthocereus pseudocandicans</i> var. <i>roseiflorus</i> (Backeb.) Backeb. wfo--0001431197 | 346 | <i>Heliocereus schrankii</i> var. <i>helenae</i> (Scheinvar) Kimnach wfo--0001286419 | 86 |
| <i>Helianthocereus randallii</i> (Cárdenas) Backeb. wfo-- 0000717859..... | 347 | <i>Heliocereus schrankii</i> var. <i>stenopetalus</i> (Bravo ex S.Arias, U.Guzmán & Gama) Kimnach wfo--0001286423 | 86 |
| <i>Helianthocereus tarijensis</i> (Vaupel) Backeb. wfo-- 0000717860..... | 349 | <i>Heliocereus serratus</i> (Weing.) Borg wfo--0001286420 ... | 86 |
| <i>Heliocereus</i> (A.Berger) Britton & Rose wfo--4000017252 | 82 | <i>Heliocereus speciosissimus</i> (Desf.) Y.Itô wfo--0000718241 | 85 |
| <i>Heliocereus xcapelleanus</i> (Rother) Doweld wfo-- 0000718231..... | 390 | <i>Heliocereus speciosus</i> (Cav.) Britton & Rose wfo-- 0000718242 | 82, 85 |
| <i>Heliocereus xjenkinsonii</i> (McIntosh) Doweld wfo-- 0000718237..... | 393 | <i>Heliocereus speciosus</i> subsp. <i>amecamensis</i> (Heese) Doweld wfo--0001431205 | 85 |
| <i>Heliocereus xviolaceus</i> (Mast.) Doweld wfo--0000718245 | 393 | <i>Heliocereus speciosus</i> subsp. <i>amecamensis</i> (Heese) U.Guzmán wfo--0001286424 | 85 |
| <i>Heliocereus ackermannii</i> (Haw.) Doweld wfo--0000718228 | 83 | <i>Heliocereus speciosus</i> var. <i>amecamensis</i> (Heese) Bravo wfo--0001431206 | 85 |
| <i>Heliocereus amecamensis</i> (Heese) Britton & Rose wfo-- 0001289088..... | 85 | <i>Heliocereus speciosus</i> var. <i>amecamensis</i> (Heese) Weing. wfo--0001289090 | 85 |
| <i>Heliocereus aurantiacus</i> Kimnach wfo--0000718230..... | 83 | <i>Heliocereus speciosus</i> var. <i>elegantissimus</i> (Britton & Rose) Backeb. wfo--0001286421 | 85 |
| <i>Heliocereus aurantiacus</i> var. <i>blomianus</i> Kimnach wfo-- 0001431198..... | 85 | <i>Heliocereus speciosus</i> var. <i>serratus</i> (Weing.) Backeb. wfo-- 0001289974 | 86 |
| <i>Heliocereus cinnabarinus</i> (Eichlam ex Weing.) Britton & Rose wfo--0000718232 | 85 | <i>Heliocereus speciosus</i> var. <i>superbus</i> (Ehrenb.) Backeb. wfo-- --0001289975..... | 85 |
| <i>Heliocereus coccineus</i> Britton & Rose wfo--0001289938 | 85 | <i>Heliocereus superbus</i> (Ehrenb.) A.Berger wfo-- 0000718244 | 85 |
| <i>Heliocereus konzattianus</i> (T.MacDoug.) Doweld wfo-- 0000718233..... | 83 | <i>Hertrichocereus</i> Backeb. wfo--4000017597..... | 355 |
| <i>Heliocereus elegantissimus</i> Britton & Rose wfo-- 0001288076..... | 85 | <i>Hertrichocereus beneckeii</i> (Ehrenb.) Backeb. wfo-- 0001258824 | 355, 356 |
| <i>Heliocereus elegantissimus</i> subsp. <i>helenae</i> (Scheinvar) Doweld wfo--0001431199..... | 86 | <i>Hickenia</i> Britton & Rose wfo--4000017876 | 279 |
| <i>Heliocereus elegantissimus</i> subsp. <i>stenopetalus</i> (Bravo ex S.Arias, U.Guzmán & Gama) Doweld wfo--0001431200 | 86 | <i>Hickenia microsperma</i> (F.A.C.Weber) Britton & Rose wfo-- 0001257679 | 291 |
| <i>Heliocereus elegantissimus</i> var. <i>helenae</i> Scheinvar wfo-- 0001286418..... | 86 | <i>Hildewintera aureispina</i> (F.Ritter) F.Ritter ex G.D.Rowley wfo--0000723309 | 44, 48 |
| | | <i>Hildewintera colademononis</i> Diers & Krahn wfo-- 0000723310 | 48 |
| | | <i>Hildewintera</i> F.Ritter wfo--4000017910 | 44 |

| | |
|--|--|
| <i>Hildewintera polonica</i> V.Foik & Foik wfo--0001434847 .. 48 | <i>Horridocactus andicola</i> F.Ritter wfo--0000724781 116 |
| <i>Hildewintera polonica</i> V.Foik & Foik wfo--0001434848 .. 48 | <i>Horridocactus andicola</i> var. <i>descendens</i> F.Ritter wfo-- |
| <i>Hildmannia ambigua</i> (Hildm. ex K.Schum.) Kreuz. & | 0001431211 116 |
| Buining wfo--0000723311 57 | <i>Horridocactus andicola</i> var. <i>mollensis</i> F.Ritter wfo-- |
| <i>Hildmannia aspillagai</i> (Söhrens) Kreuz. & Buining wfo-- | 0001431212 116 |
| 0000723312 415 | <i>Horridocactus andicola</i> var. <i>robustus</i> F.Ritter wfo-- |
| <i>Hildmannia cumingii</i> (Hopffer) Kreuz. & Buining wfo-- | 0001431213 116 |
| 0000723315 415 | <i>Horridocactus armatus</i> (F.Ritter) Backeb. wfo-- |
| <i>Hildmannia cupreata</i> (Poselg. ex Rümpler) Kreuz. & | 0000724782 113 |
| Buining wfo--0000723316 58 | <i>Horridocactus atroviridis</i> (F.Ritter) Backeb. wfo-- |
| <i>Hildmannia curvispina</i> (Bertero ex Colla) Kreuz. & Buining | 0000724783 113 |
| wfo--0001288751 115 | <i>Horridocactus</i> Backeb. wfo--4000018300 112 |
| <i>Hildmannia ebenacantha</i> (Monv. ex Labour.) Kreuz. & | <i>Horridocactus carrizalensis</i> (F.Ritter) Backeb. wfo-- |
| Buining wfo--0000723317 123 | 0000724784 118 |
| <i>Hildmannia fobeana</i> (Mieckley) Kreuz. & Buining wfo-- | <i>Horridocactus choapensis</i> (F.Ritter) Backeb. wfo-- |
| 0000723318 124 | 0000724785 116 |
| <i>Hildmannia froehlichiana</i> (K.Schum.) Kreuz. & Buining wfo- | <i>Horridocactus crispus</i> (F.Ritter) Backeb. wfo--0000724786 |
| --0000723319 116 | 115 |
| <i>Hildmannia fusca</i> (Muehlenpf.) Kreuz. & Buining wfo-- | <i>Horridocactus curvispinus</i> (Bertero ex Colla) Backeb. wfo-- |
| 0000723320 123 | 0001288750 115 |
| <i>Hildmannia geissei</i> (Poselg. ex K.Schum.) Kreuz. & Buining | <i>Horridocactus echinus</i> (F.Ritter) Backeb. wfo--0000724788 |
| wfo--0000723321 115 | 123 |
| <i>Hildmannia horrida</i> (Colla) Kreuz. & Buining wfo-- | <i>Horridocactus echinus</i> var. <i>minor</i> (F.Ritter) Backeb. wfo-- |
| 0000723322 115 | 0001431214 123 |
| <i>Hildmannia jussieui</i> (Monv. ex Salm-Dyck) Kreuz. & Buining | <i>Horridocactus engleri</i> F.Ritter wfo--0001255411 117 |
| wfo--0000723323 415 | <i>Horridocactus engleri</i> var. <i>krausii</i> Backeb. wfo-- |
| <i>Hildmannia</i> Kreuz. & Buining wfo--4000017911 112 | 0001431215 117 |
| <i>Hildmannia kunzei</i> (C.F.Först.) Kreuz. & Buining wfo-- | <i>Horridocactus eriosyzoides</i> F.Ritter wfo--0000724789 .. 117 |
| 0000723325 120 | <i>Horridocactus garaventae</i> F.Ritter wfo--0000724790 .. 118 |
| <i>Hildmannia mitis</i> (Phil.) Kreuz. & Buining wfo-- | <i>Horridocactus geissei</i> (Poselg. ex K.Schum.) Dözl wfo-- |
| 0000723326 121 | 0000724791 115 |
| <i>Hildmannia napina</i> (Phil.) Kreuz. & Buining wfo-- | <i>Horridocactus grandiflorus</i> (F.Ritter) Backeb. wfo-- |
| 0000723327 121 | 0000724792 116 |
| <i>Hildmannia nigricans</i> (A.Dietr. ex K.Schum.) Kreuz. & | <i>Horridocactus heinrichianus</i> Backeb. wfo--0001255412 118 |
| Buining wfo--0000723328 113 | <i>Horridocactus horridus</i> (Colla) Backeb. wfo--0000724794 |
| <i>Hildmannia occulta</i> (Phil.) Kreuz. & Buining wfo-- | 112, 115 |
| 0000723329 415 | <i>Horridocactus kesselringianus</i> Dözl wfo--0000724795 .. 116 |
| <i>Hildmannia odieri</i> (Lem. ex Salm-Dyck) Kreuz. & Buining | <i>Horridocactus kesselringianus</i> var. <i>subaequalis</i> Backeb. |
| wfo--0000723330 122 | wfo--0001431216 116 |
| <i>Hildmannia reichei</i> (K.Schum.) Kreuz. & Buining wfo-- | <i>Horridocactus kunzei</i> (C.F.Först.) F.Ritter wfo-- |
| 0000723331 122 | 0000724796 120 |
| <i>Hildmannia rostrata</i> (Jacobi) Kreuz. & Buining wfo-- | <i>Horridocactus lissocarpus</i> (F.Ritter) Backeb. wfo-- |
| 0000723332 126 | 0000724797 121 |
| <i>Hildmannia subniger</i> (Poselg. ex Rümpler) Kreuz. & Buining | <i>Horridocactus lissocarpus</i> var. <i>gracilis</i> (F.Ritter) Backeb. |
| wfo--0000723333 415 | wfo--0001431217 121 |
| <i>Homalocephala</i> Britton & Rose wfo--4000018154 170 | <i>Horridocactus marksianus</i> (F.Ritter) Backeb. wfo-- |
| <i>Homalocephala parryi</i> (Engelm.) Vargas & Bárcenas wfo-- | 0000724798 121 |
| 0001431207 170 | <i>Horridocactus marksianus</i> var. <i>tunensis</i> (F.Ritter) Backeb. |
| <i>Homalocephala polycephala</i> (Engelm. & J.M.Bigelow) | wfo--0001431218 121 |
| Vargas & Bárcenas wfo--0001431208 171 | <i>Horridocactus nigricans</i> (A.Dietr. ex K.Schum.) Backeb. & |
| <i>Homalocephala polycephala</i> subsp. <i>polycephala</i> wfo-- | Dözl wfo--0000724799 113 |
| 0001434849 171 | <i>Horridocactus paucicostatus</i> F.Ritter wfo--0001255434 122 |
| <i>Homalocephala polycephala</i> subsp. <i>xeranthemoides</i> | <i>Horridocactus paucicostatus</i> subsp. <i>echinus</i> (F.Ritter) |
| (J.M.Coult.) Vargas & Bárcenas wfo--0001431209 171 | Guiggi wfo--0001431219 123 |
| <i>Homalocephala texensis</i> (Hopffer) Britton & Rose wfo-- | <i>Horridocactus paucicostatus</i> subsp. <i>floccosus</i> (F.Ritter) |
| 0001289423 170, 171 | Guiggi wfo--0001431220 123 |
| <i>Homalocephala texensis</i> var. <i>gourgensii</i> (Cels ex Labour.) | <i>Horridocactus paucicostatus</i> var. <i>viridis</i> F.Ritter wfo-- |
| Y.Itô wfo--0001289424 171 | 0001431221 123 |
| <i>Horridocactus aconcaguensis</i> (F.Ritter) Backeb. wfo-- | <i>Horridocactus tuberisulcatus</i> (Jacobi) Y.Itô wfo-- |
| 0000724779 116 | 0000724801 117 |
| <i>Horridocactus aconcaguensis</i> var. <i>orientalis</i> (F.Ritter) | <i>Horridocactus vallenarensis</i> (F.Ritter) Backeb. wfo-- |
| Backeb. wfo--0001431210 116 | 0000724802 127 |

| | |
|--|---|
| <i>Hylocereus</i> (A.Berger) Britton & Rose wfo---4000018606 340 | <i>Hylocereus undatus</i> subsp. <i>luteocarpus</i> Cáliz de Dios wfo--- 0001431224 345 |
| <i>Hylocereus antiguensis</i> Britton & Rose wfo---0000726893 344 | <i>Hylocereus venezuelensis</i> Britton & Rose wfo--- 0000726907 342 |
| <i>Hylocereus bronxensis</i> Britton & Rose wfo---0000726894 343 | <i>Hylorhopsalis</i> Doweld wfo---4000018626 327 |
| <i>Hylocereus calcaratus</i> (F.A.C.Weber) Britton & Rose wfo--- 0001287953 340 | <i>Hylorhopsalis floccosa</i> (Salm-Dyck ex Pfeiff.) Doweld wfo--- 0001284285 329 |
| <i>Hylocereus compressus</i> (Mill.) Y.Itô wfo---0001257111 344 | <i>Hylorhopsalis floccosa</i> subsp. <i>hohenauensis</i> (F.Ritter) Doweld wfo---0001284287 330 |
| <i>Hylocereus costaricensis</i> (F.A.C.Weber) Britton & Rose wfo-- -0000726895 340 | <i>Hylorhopsalis floccosa</i> subsp. <i>pittieri</i> (Britton & Rose) Doweld wfo---0001431225 332 |
| <i>Hylocereus cubensis</i> Britton & Rose wfo---0000726896 344 | <i>Hylorhopsalis floccosa</i> subsp. <i>pulvinigera</i> (G.Lindb.) Doweld wfo---0001431226 330 |
| <i>Hylocereus escuintlensis</i> Kimnach wfo---0001256196 340 | <i>Hylorhopsalis floccosa</i> subsp. <i>tucumanensis</i> (F.A.C.Weber) Doweld wfo---0001284286 333 |
| <i>Hylocereus estebanensis</i> Backeb. wfo---0000726897 342 | <i>Hylorhopsalis monteazulensis</i> (F.Ritter) Doweld wfo--- 0000726932 330 |
| <i>Hylocereus extensus</i> (Salm-Dyck ex DC.) Britton & Rose wfo---0001257112 341 | <i>Hylorhopsalis pacheco-leonis</i> (Loefgr.) Doweld wfo--- 0000726933 331 |
| <i>Hylocereus extensus</i> (Salm-Dyck ex DC.) L.H.Bailey ex Britton & Rose wfo---0001431222 341 | <i>Hylorhopsalis pacheco-leonis</i> subsp. <i>catenulata</i> (Kimnach) Doweld wfo---0001431227 331 |
| <i>Hylocereus extensus</i> (Salm-Dyck ex DC.) Ralf Bauer wfo--- 0001431223 341 | <i>Hylorhopsalis paradoxa</i> (Salm-Dyck ex Pfeiff.) Doweld wfo-- -0000726934 331 |
| <i>Hylocereus guatemalensis</i> (Eichlam ex Weing.) Britton & Rose wfo---0000726898 342 | <i>Hylorhopsalis paradoxa</i> subsp. <i>septentrionalis</i> (N.P.Taylor & Barthlott) Doweld wfo---0000726935 331 |
| <i>Hylocereus intermedius</i> Hutchison wfo---0001289102 415 | <i>Hylorhopsalis pentaptera</i> (Pfeiff. ex A.Dietr.) Doweld wfo--- 0000726936 327, 332 |
| <i>Hylocereus lemairei</i> (Hook.) Britton & Rose wfo--- 0000726900 342 | <i>Hylorhopsalis rugulosa</i> (Lem.) Doweld wfo---0000726937 329 |
| <i>Hylocereus megalanthus</i> (K.Schum. ex Vaupel) Ralf Bauer wfo---0001271805 342 | <i>Hylorhopsalis rugulosa</i> subsp. <i>epiphyllanthoides</i> (Backeb.) Doweld wfo---0001431228 329 |
| <i>Hylocereus microcladus</i> Backeb. wfo---0001287524 403 | <i>Hylorhopsalis sulcata</i> (F.A.C.Weber) Doweld wfo--- 0000726939 332 |
| <i>Hylocereus minutiflorus</i> Britton & Rose wfo---0000726901 342 | <i>Hylorhopsalis trigonoides</i> Doweld wfo---0000726940 333 |
| <i>Hylocereus monacanthus</i> (Lem.) Britton & Rose wfo--- 0001287173 342 | <i>Hymenorebulobivia albicentra</i> Frič wfo---0001434850 415 |
| <i>Hylocereus napoleonis</i> (Graham) Britton & Rose wfo--- 0001289979 344 | <i>Hymenorebulobivia</i> Frič ex Kreuz. wfo---4000042733 ... 103 |
| <i>Hylocereus ocamponis</i> (Salm-Dyck) Britton & Rose wfo--- 0001287401 343 | <i>Hymenorebulobivia purpurea</i> Frič wfo---0001434851 ... 417 |
| <i>Hylocereus peruvianus</i> Backeb. wfo---0001287525 342 | <i>Hymenorebutia albolanata</i> Buining wfo---0000727101 105 |
| <i>Hylocereus plumieri</i> (Rol.-Goss.) Lourteig wfo--- 0001252161 344 | <i>Hymenorebutia aurea</i> (Britton & Rose) F.Ritter wfo--- 0000727102 103 |
| <i>Hylocereus polyrhizus</i> (F.A.C.Weber) Britton & Rose wfo--- 0000726902 342 | <i>Hymenorebutia aurea</i> var. <i>callochrysea</i> F.Ritter wfo--- 0001260465 109 |
| <i>Hylocereus purpusii</i> (Weing.) Britton & Rose wfo--- 0001289978 343 | <i>Hymenorebutia aurea</i> var. <i>catamarcensis</i> F.Ritter wfo--- 0001260466 103 |
| <i>Hylocereus scandens</i> (Salm-Dyck) Backeb. wfo--- 0001256197 342 | <i>Hymenorebutia aurea</i> var. <i>cylindrica</i> (Backeb.) F.Ritter wfo---0001431229 103 |
| <i>Hylocereus schomburgkii</i> (C.F.Först.) Backeb. wfo--- 0001257113 403 | <i>Hymenorebutia aurea</i> var. <i>depressicostata</i> F.Ritter wfo--- 0001431230 103 |
| <i>Hylocereus setaceus</i> (Salm-Dyck ex DC.) Ralf Bauer wfo--- 0000726904 343 | <i>Hymenorebutia aurea</i> var. <i>lariojensis</i> F.Ritter wfo--- 0001431231 103 |
| <i>Hylocereus stenopterus</i> (F.A.C.Weber) Britton & Rose wfo-- -0001287954 344 | <i>Hymenorebutia chlorogona</i> (Wessner) F.Ritter wfo--- 0000727103 105 |
| <i>Hylocereus triangularis</i> (L.) Britton & Rose wfo--- 0001289000 340, 344 | <i>Hymenorebutia chrysantha</i> (Werderm.) F.Ritter wfo--- 0000727104 415 |
| <i>Hylocereus tricae</i> (D.R.Hunt) Ralf Bauer wfo---0001271806 344 | <i>Hymenorebutia cintiensis</i> (Cárdenas) F.Ritter wfo--- 0001283923 185 |
| <i>Hylocereus tricostatus</i> (Rol.-Goss.) Britton & Rose wfo--- 0001245163 345 | <i>Hymenorebutia densispina</i> (Werderm.) Buining wfo--- 0000727106 104 |
| <i>Hylocereus trigonus</i> (Haw.) Saff. wfo---0000726905 344 | <i>Hymenorebutia drijverana</i> (Backeb.) F.Ritter wfo--- 0000727107 106 |
| <i>Hylocereus trinitatensis</i> (Lem. & Herm.) A.Berger wfo--- 0001289110 342 | <i>Hymenorebutia</i> Frič ex Buining wfo---4000018694 102 |
| <i>Hylocereus undatus</i> (Haw.) Britton & Rose wfo--- 0000726906 345 | |

| | | | |
|--|-----|---|----------|
| <i>Hymenorebutia kreuzingeri</i> Frič ex Buining wfo-- 0000727108..... | 105 | <i>Islaya islayensis</i> var. <i>minor</i> (Backeb.) F.Ritter wfo-- 0001287774..... | 119 |
| <i>Hymenorebutia kuehnrichii</i> (Frič) F.Ritter wfo-- 0000727109..... | 106 | <i>Islaya krainziana</i> F.Ritter wfo--0001287775..... | 119 |
| <i>Hymenorebutia leucomalla</i> (Wessner) Buining wfo-- 0000727110..... | 104 | <i>Islaya laui</i> (Lüthy) Faúndez & R.Kiesling wfo--0000509590 | 333 |
| <i>Hymenorebutia napina</i> (Pazout) Pazout wfo--0000727111 | 415 | <i>Islaya maritima</i> F.Ritter wfo--0001287776..... | 120 |
| <i>Hymenorebutia nealeana</i> (Backeb.) Buining wfo-- 0000727112..... | 415 | <i>Islaya minor</i> Backeb. wfo--0001287731..... | 112, 119 |
| <i>Hymenorebutia pseudocachensis</i> (Backeb.) Buining wfo-- 0000727113..... | 415 | <i>Islaya minuscula</i> F.Ritter wfo--0001287778..... | 120 |
| <i>Hymenorebutia pusilla</i> (F.Ritter) F.Ritter wfo--0000727114 | 415 | <i>Islaya molendensis</i> (Vaupel) Backeb. wfo--0000732464119 | |
| <i>Hymenorebutia pusilla</i> f. <i>flaviflora</i> (F.Ritter) F.Ritter wfo-- 0001431232..... | 191 | <i>Islaya omasensis</i> Ostolaza & Mischler wfo--0000732466 | 120 |
| <i>Hymenorebutia quinesensis</i> (Rausch) F.Ritter wfo-- 0000727116..... | 103 | <i>Islaya paucispina</i> Rauh & Backeb. wfo--0001287738... 119 | |
| <i>Hymenorebutia rebutioides</i> (Backeb.) Buining wfo-- 0000727117..... | 106 | <i>Islaya paucispina</i> var. <i>copiapoides</i> F.Ritter wfo-- 0001289184..... | 119 |
| <i>Hymenorebutia scoparia</i> (Werderm.) Buining wfo-- 0000727118..... | 104 | <i>Islaya paucispina</i> var. <i>curvispina</i> Rauh & Backeb. wfo-- 0001287739..... | 119 |
| <i>Hymenorebutia sublimiflora</i> (Backeb.) Buining wfo-- 0000727119..... | 105 | <i>Islaya paucispinosa</i> Rauh & Backeb. wfo--0001289183 | 119 |
| <i>Hymenorebutia tiegeliana</i> (Wessner) F.Ritter wfo-- 0000727120..... | 191 | <i>Islaya roseiflora</i> Hoffm. wfo--0001288004..... | 120 |
| <i>Hymenorebutia tiegeliana</i> var. <i>dimorphipetala</i> F.Ritter wfo--0001246772..... | 191 | <i>Islaya unguispina</i> F.Ritter wfo--0001287779..... | 120 |
| <i>Hymenorebutia tiegeliana</i> var. <i>distefanoiana</i> (Cullmann & F.Ritter) F.Ritter wfo--0001431233..... | 191 | <i>Isolatocereus</i> Backeb. wfo--4000019276..... | 171 |
| <i>Hymenorebutia tiegeliana</i> var. <i>ruberrima</i> (Rausch) F.Ritter wfo--0001431234..... | 191 | <i>Isolatocereus dumortieri</i> (Scheidw.) Backeb. wfo-- 0001289481..... | 171 |
| <i>Hymenorebutia torataensis</i> F.Ritter wfo--0001246773 | 185 | <i>Jasminocereus</i> Britton & Rose wfo--4000019524..... | 171 |
| <i>Hymenorebutia torreana</i> F.Ritter wfo--0001246774..... | 185 | <i>Jasminocereus galapagensis</i> (F.A.C.Weber) Britton & Rose wfo--0001289383..... | 171 |
| <i>Islaya</i> Backeb. wfo--4000019249..... | 112 | <i>Jasminocereus howellii</i> E.Y.Dawson wfo--0001289385 | 171 |
| <i>Islaya bicolor</i> Akers & Buining wfo--0001287732..... | 119 | <i>Jasminocereus howellii</i> var. <i>delicatus</i> E.Y.Dawson wfo-- 0001289386..... | 171 |
| <i>Islaya brevicylindrica</i> Rauh & Backeb. wfo--0001287736 | 119 | <i>Jasminocereus sclerocarpus</i> (K.Schum.) Backeb. wfo-- 0001289388..... | 171 |
| <i>Islaya caligophila</i> (R.Pinto) Faúndez & R.Kiesling wfo-- 0000509588..... | 114 | <i>Jasminocereus thouarsii</i> (F.A.C.Weber) Backeb. wfo-- 0001289381..... | 171 |
| <i>Islaya camanaensis</i> F.Cáceres wfo--0001431235..... | 407 | <i>Jasminocereus thouarsii</i> subsp. <i>howellii</i> (E.Y.Dawson) Guiggi wfo--0001431236..... | 171 |
| <i>Islaya copiapoides</i> Rauh & Backeb. wfo--0001287735... 119 | | <i>Jasminocereus thouarsii</i> var. <i>chathamensis</i> E.Y.Dawson wfo--0001431237..... | 171 |
| <i>Islaya copiapoides</i> var. <i>chalaensis</i> F.Ritter wfo-- 0001287770..... | 120 | <i>Jasminocereus thouarsii</i> var. <i>delicatus</i> (E.Y.Dawson) E.F.Anderson & Walk. wfo--0001289384..... | 171 |
| <i>Islaya copiapoides</i> var. <i>pseudomollendensis</i> F.Ritter wfo-- 0001287771..... | 120 | <i>Jasminocereus thouarsii</i> var. <i>sclerocarpus</i> (K.Schum.) E.F.Anderson & Walk. wfo--0001289387..... | 171 |
| <i>Islaya divaricatiflora</i> F.Ritter wfo--0001287772..... | 120 | <i>Jasminocereus thouarsii</i> var. <i>thouarsii</i> wfo--0001289382 | 171 |
| <i>Islaya flavida</i> F.Ritter wfo--0001287773..... | 120 | <i>Kadenicarpus</i> Doweld wfo--4000019760..... | 171 |
| <i>Islaya grandiflorens</i> Rauh & Backeb. wfo--0001287777 119 | | <i>Kadenicarpus heliae</i> (García-Mor., Díaz-Salím & Gonz.-Bot.) D.Aquino wfo--0001434852..... | 172 |
| <i>Islaya grandiflorens</i> var. <i>spinosior</i> Rauh & Backeb. wfo-- 0001289182..... | 120 | <i>Kadenicarpus horripilus</i> (Lem.) Vázquez-Sánchez wfo-- 0001431238..... | 172 |
| <i>Islaya grandiflorens</i> var. <i>tenuispina</i> Rauh & Backeb. wfo-- 0001287737..... | 119 | <i>Kadenicarpus pseudomacrochele</i> (Backeb.) Doweld wfo-- 0001286466..... | 171, 172 |
| <i>Islaya grandis</i> Rauh & Backeb. wfo--0001287733..... | 120 | <i>Kadenicarpus pseudomacrochele</i> subsp. <i>krainzianus</i> (Gerhart Frank) Vázquez-Sánchez wfo--0001431239 | 172 |
| <i>Islaya grandis</i> var. <i>brevispina</i> Rauh & Backeb. wfo-- 0001287734..... | 119 | <i>Kadenicarpus pseudomacrochele</i> subsp. <i>lausseri</i> (Diers & Gerhart Frank) Doweld wfo--0001431240..... | 173 |
| <i>Islaya grandis</i> var. <i>neglecta</i> A.Simo wfo--0001288005... 119 | | <i>Kadenicarpus pseudomacrochele</i> subsp. <i>minus</i> (G.Frank) Vázquez-Sánchez wfo--0001431241..... | 173 |
| <i>Islaya iquiquensis</i> (F.Ritter) Faúndez & R.Kiesling wfo-- 0000509589..... | 119 | <i>Kadenicarpus pseudomacrochele</i> subsp. <i>pseudomacrochele</i> wfo--0001434853..... | 173 |
| <i>Islaya islayensis</i> (C.F.Först.) Backeb. wfo--0001287730 119 | | <i>Kadenicarpus pseudomacrochele</i> var. <i>lausseri</i> (Diers & Gerhart Frank) Doweld wfo--0001431242..... | 173 |
| <i>Islaya islayensis</i> var. <i>copiapoides</i> (Rauh & Backeb.) F.Ritter wfo--0001289185..... | 119 | <i>Kadenicarpus pseudomacrochele</i> var. <i>sphacelatus</i> (Diers & Gerhart Frank) Doweld wfo--0001286360..... | 173 |

| | | | |
|---|----------|--|-----|
| <i>Kadenicarpus pseudomacrochele</i> var. <i>sphacellatus</i> (Diers & Gerhart Frank) Doweld wfo---0001431243 | 173 | <i>Lemaireocereus aragonii</i> (F.A.C.Weber) Britton & Rose wfo---0000358001 | 238 |
| <i>Kimnachia ramulosa</i> (Salm-Dyck) S.Arias & N.Korotkova wfo---0001431244 | 173 | <i>Lemaireocereus bavirus</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo---0000358002 | 174 |
| <i>Kimnachia ramulosa</i> f. <i>angustissima</i> (F.A.C.Weber) S.Arias & N.Korotkova wfo---0001431245 | 173 | <i>Lemaireocereus beneckeii</i> (Ehrenb.) Britton & Rose wfo---0001257914 | 356 |
| <i>Kimnachia ramulosa</i> f. <i>ramulosa</i> wfo---0001434854 | 173 | <i>Lemaireocereus</i> Britton & Rose wfo---4000020965 | 174 |
| <i>Kimnachia ramulosa</i> subsp. <i>jamaicensis</i> (Britton & Harris) S.Arias & N.Korotkova wfo---0001431246 | 173 | <i>Lemaireocereus cartwrightianus</i> Britton & Rose wfo---0001287549 | 11 |
| <i>Kimnachia ramulosa</i> subsp. <i>ramulosa</i> wfo---0001434855 | 173 | <i>Lemaireocereus chende</i> (Rol.-Goss.) Britton & Rose wfo---0001243725 | 315 |
| <i>Kimnachia</i> S.Arias & N.Korotkova wfo---4000042731 | 173 | <i>Lemaireocereus chichipe</i> (Rol.-Goss.) Britton & Rose wfo---0001220515 | 315 |
| <i>Krainzia</i> Backeb. wfo---4000020205 | 197 | <i>Lemaireocereus chlorocarpus</i> (Kunth) Borg wfo---0001288739 | 34 |
| <i>Krainzia bocasana</i> (Poselg.) Doweld wfo---0001286462 | 199 | <i>Lemaireocereus cumengei</i> (F.A.C.Weber) Britton & Rose wfo---0001289463 | 357 |
| <i>Krainzia bocasana</i> subsp. <i>eschauzieri</i> (J.M.Coult.) Doweld wfo---0001286212 | 199 | <i>Lemaireocereus deficiens</i> (Otto & A.Dietr.) Britton & Rose wfo---0000358004 | 357 |
| <i>Krainzia crinita</i> (DC.) Doweld wfo---0000356382 | 203 | <i>Lemaireocereus dumortieri</i> (Scheidw.) Britton & Rose wfo---0001289480 | 171 |
| <i>Krainzia crinita</i> subsp. <i>leucantha</i> (Boed.) Doweld wfo---0001431247 | 204 | <i>Lemaireocereus eburneus</i> (Salm-Dyck) H.P.Kelsey & Dayton wfo---0000367534 | 356 |
| <i>Krainzia crinita</i> subsp. <i>wildii</i> (A.Dietr.) Doweld wfo---0001431248 | 204 | <i>Lemaireocereus eichlamii</i> Britton & Rose wfo---0000357999 | 238 |
| <i>Krainzia decipiens</i> (Scheidw.) Doweld wfo---0000356391 | 204 | <i>Lemaireocereus eruca</i> (K.Brandege) Britton & Rose wfo---0001289461 | 356 |
| <i>Krainzia decipiens</i> subsp. <i>albescens</i> (Tiegel) Doweld wfo---0001431249 | 205 | <i>Lemaireocereus euphorbioides</i> (Haw.) Werderm. wfo---0001289455 | 36 |
| <i>Krainzia decipiens</i> subsp. <i>camptotricha</i> (Dams) Doweld wfo---0001431250 | 205 | <i>Lemaireocereus gladiger</i> Backeb. wfo---0000357995 | 415 |
| <i>Krainzia densispina</i> (J.M.Coult.) Doweld wfo---0000356385 | 205 | <i>Lemaireocereus godingianus</i> Britton & Rose wfo---0001287547 | 12 |
| <i>Krainzia elongata</i> (DC.) Doweld wfo---0000356386 | 206 | <i>Lemaireocereus griseus</i> (Haw.) Britton & Rose wfo---0000357996 | 356 |
| <i>Krainzia erythrosperma</i> (Boed.) Doweld wfo---0000356387 | 207 | <i>Lemaireocereus gummosus</i> (Engelm.) Britton & Rose wfo---0001289464 | 357 |
| <i>Krainzia gracilis</i> (Pfeiff.) Doweld wfo---0000356388 | 236 | <i>Lemaireocereus hollianus</i> (F.A.C.Weber ex J.M.Coult.) Britton & Rose wfo---0001257457 | 174 |
| <i>Krainzia guelzowiana</i> (Werderm.) Backeb. wfo---0000356389 | 51 | <i>Lemaireocereus humilis</i> Britton & Rose wfo---0001288612 | 357 |
| <i>Krainzia guelzowiana</i> var. <i>comocephala</i> Y.Itô wfo---0001431251 | 415 | <i>Lemaireocereus hystrix</i> (Haw.) Britton & Rose wfo---0001288823 | 357 |
| <i>Krainzia longiflora</i> (Britton & Rose) Backeb. wfo---0001038952 | 197, 217 | <i>Lemaireocereus laetus</i> (Kunth) Britton & Rose wfo---0001287439 | 12 |
| <i>Krainzia longiflora</i> subsp. <i>stampferi</i> (Repp.) Doweld wfo---0001431252 | 217 | <i>Lemaireocereus laevigatus</i> (Salm-Dyck) Borg wfo---0001247816 | 358 |
| <i>Krainzia microhelia</i> (Werderm.) Doweld wfo---0000356390 | 222 | <i>Lemaireocereus laevigatus</i> var. <i>guatemalensis</i> (Eichlam) Borg wfo---0001257237 | 238 |
| <i>Krainzia pottsii</i> (Scheer ex Salm-Dyck) Doweld wfo---0000356429 | 227 | <i>Lemaireocereus lepidanthus</i> (Eichlam) S.Arias & Terrazas wfo---0000744135 | 174 |
| <i>Krainzia schwarzii</i> (Shurly) Doweld wfo---0000356383 | 232 | <i>Lemaireocereus littoralis</i> (K.Brandege) Gates wfo---0001228436 | 359 |
| <i>Krainzia tepexicensis</i> (J.Meyrán) Doweld wfo---0000356401 | 217 | <i>Lemaireocereus longispinus</i> Britton & Rose wfo---0001226153 | 358 |
| <i>Kroenleinia grusonii</i> (Hildm.) Lodé wfo---0001431253 | 173, 174 | <i>Lemaireocereus marginatus</i> (DC.) A.Berger wfo---0001289476 | 192 |
| <i>Kroenleinia</i> Lodé wfo---4000042594 | 173 | <i>Lemaireocereus marginatus</i> var. <i>gemmatus</i> (Zucc. ex Pfeiff.) W.T.Marshall wfo---0001431254 | 192 |
| <i>Lactomamillara aselliformoides</i> Frič wfo---0000367564 | 415 | <i>Lemaireocereus marginatus</i> var. <i>incrustatus</i> W.T.Marshall wfo---0001431255 | 415 |
| <i>Lactomamillara</i> Frič wfo---4000020391 | 415 | <i>Lemaireocereus martinezii</i> J.G.Ortega wfo---0001256515 | 358 |
| <i>Lactomamillaria</i> Frič wfo---4000042532 | 197 | | |
| <i>Lagenocereus</i> Doweld wfo---4000042587 | 359 | | |
| <i>Lagenosocereus</i> Doweld wfo---4000020439 | 359 | | |
| <i>Lagenosocereus luetzelburgii</i> (Vaupel) Doweld wfo---0000357934 | 359 | | |
| <i>Lasiocereus</i> F.Ritter wfo---4000020654 | 174 | | |
| <i>Lasiocereus fulvus</i> F.Ritter wfo---0001287879 | 174 | | |
| <i>Lasiocereus rupicola</i> F.Ritter wfo---0001287911 | 174 | | |

| | | | |
|--|-----|---|--------|
| <i>Lemaireocereus matucanensis</i> (Backeb.) W.T.Marshall wfo--0000357998 | 12 | <i>Lepidocoryphantha macromeris</i> (Engelm.) Backeb. wfo--0001268632 | 61, 64 |
| <i>Lemaireocereus mieckleyanus</i> (Weing.) Borg wfo--0000358005 | 192 | <i>Lepidocoryphantha macromeris</i> subsp. <i>runyonii</i> (Britton & Rose) Doweld wfo--0001431257 | 65 |
| <i>Lemaireocereus mixtecensis</i> (J.A.Purpus) Britton & Rose wfo--0001288078 | 315 | <i>Lepidocoryphantha runyonii</i> (Britton & Rose) Backeb. wfo--0001263046 | 65 |
| <i>Lemaireocereus montanus</i> Britton & Rose wfo--0001256516 | 358 | <i>Lepismium aculeatum</i> (F.A.C.Weber) Barthlott wfo--0001239324 | 176 |
| <i>Lemaireocereus pruinosus</i> (Otto ex Pfeiff.) Britton & Rose wfo--0000358011 | 358 | <i>Lepismium alternatum</i> W.H.Baxter wfo--0000357983 | 331 |
| <i>Lemaireocereus queretarensis</i> Britton & Rose wfo--0000358012 | 358 | <i>Lepismium anceps</i> (F.A.C.Weber) Borg wfo--0000357984 | 175 |
| <i>Lemaireocereus queretaroensis</i> (F.A.C.Weber ex Mathsson) Saff. wfo--0001265632 | 358 | <i>Lepismium asuntapatense</i> M.Kessler, Ibsch & Barthlott wfo--0001255099 | 306 |
| <i>Lemaireocereus quevedonis</i> J.G.Ortega wfo--0001256519 | 358 | <i>Lepismium bolivianum</i> (Britton) Barthlott wfo--0001289763 | 306 |
| <i>Lemaireocereus schumannii</i> (Mathsson ex K.Schum.) Britton & Rose wfo--0000358015 | 238 | <i>Lepismium bolivianum</i> (Britton) E.Ewald wfo--0001431258 | 306 |
| <i>Lemaireocereus setispinus</i> E.Y.Dawson wfo--0000358017 | 37 | <i>Lepismium brevispinum</i> Barthlott wfo--0001289141 | 194 |
| <i>Lemaireocereus standleyi</i> J.G.Ortega wfo--0001256520 | 358 | <i>Lepismium cavernosum</i> G.Lindb. wfo--0000399864 | 175 |
| <i>Lemaireocereus stellatus</i> (Pfeiff.) Britton & Rose wfo--0001289483 | 358 | <i>Lepismium cereoides</i> Backeb. & Voll wfo--0001244407 | 328 |
| <i>Lemaireocereus subg. Isolatocereus</i> Backeb. wfo--3500004013 | 355 | <i>Lepismium chrysanthum</i> (Loefgr.) Backeb. wfo--0000357986 | 329 |
| <i>Lemaireocereus thurberi</i> (Engelm.) Britton & Rose wfo--0001220517 | 359 | <i>Lepismium chrysocarpum</i> (Loefgr.) Backeb. wfo--0000357987 | 332 |
| <i>Lemaireocereus thurberi</i> var. <i>littoralis</i> (K.Brandege) G.E.Linds. wfo--0001248147 | 359 | <i>Lepismium commune</i> Pfeiff. wfo--0000357989 | 175 |
| <i>Lemaireocereus treleasei</i> Rose wfo--0001257458 | 359 | <i>Lepismium crenatum</i> (Britton) Barthlott wfo--0001239321 | 194 |
| <i>Lemaireocereus weberi</i> (J.M.Coult.) Britton & Rose wfo--0000358016 | 279 | <i>Lepismium cruciforme</i> (Vell.) Miq. wfo--0000357990 | 175 |
| <i>Leocereus bahiensis</i> Britton & Rose wfo--0001256200 | 174 | <i>Lepismium cruciforme</i> f. <i>anceps</i> (F.A.C.Weber) Supplie wfo--0001260119 | 175 |
| <i>Leocereus bahiensis</i> subsp. <i>barreirensis</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001260055 | 174 | <i>Lepismium cruciforme</i> f. <i>myosurus</i> (Salm-Dyck ex DC.) Supplie wfo--0001260121 | 175 |
| <i>Leocereus bahiensis</i> subsp. <i>exiguospinus</i> (P.J.Braun & Esteves) Braun & Esteves wfo--0001260057 | 174 | <i>Lepismium cruciforme</i> subvar. <i>vollii</i> (Backeb.) Backeb. wfo--0001431259 | 175 |
| <i>Leocereus bahiensis</i> subsp. <i>robustispinus</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001260059 | 175 | <i>Lepismium cruciforme</i> var. <i>anceps</i> (F.A.C.Weber) Backeb. wfo--0001431260 | 175 |
| <i>Leocereus bahiensis</i> subsp. <i>urandianus</i> (F.Ritter) P.J.Braun & Esteves wfo--0001260061 | 174 | <i>Lepismium cruciforme</i> var. <i>cavernosum</i> (G.Lindb.) Backeb. wfo--0001431261 | 175 |
| <i>Leocereus bahiensis</i> var. <i>barreirensis</i> P.J.Braun & Esteves wfo--0001260054 | 174 | <i>Lepismium cruciforme</i> var. <i>knightii</i> (Pfeiff.) Boom wfo--0001431262 | 175 |
| <i>Leocereus bahiensis</i> var. <i>exiguospinus</i> P.J.Braun & Esteves wfo--0001260056 | 174 | <i>Lepismium cruciforme</i> var. <i>myosurus</i> (Salm-Dyck ex DC.) Backeb. wfo--0001431263 | 175 |
| <i>Leocereus bahiensis</i> var. <i>robustispinus</i> P.J.Braun & Esteves wfo--0001260058 | 175 | <i>Lepismium dissimile</i> G.Lindb. wfo--0000357978 | 329 |
| <i>Leocereus bahiensis</i> var. <i>urandianus</i> (F.Ritter) P.J.Braun & Esteves wfo--0001431256 | 174 | <i>Lepismium duprei</i> C.F.Först. wfo--0000357979 | 175 |
| <i>Leocereus</i> Britton & Rose wfo--4000021016 | 174 | <i>Lepismium epiphyllanthoides</i> Backeb. wfo--0001243566 | 329 |
| <i>Leocereus estevesii</i> P.J.Braun wfo--0000358010 | 175 | <i>Lepismium erectum</i> (F.Ritter) Süplie wfo--0001260122 | 306 |
| <i>Leocereus glaziovii</i> (K.Schum.) Britton & Rose wfo--0001289755 | 13 | <i>Lepismium floccosum</i> (Salm-Dyck ex Pfeiff.) Backeb. wfo--0001223658 | 329 |
| <i>Leocereus melanurus</i> (K.Schum.) Britton & Rose wfo--0001257594 | 13 | <i>Lepismium floribundum</i> Süplie wfo--0000509717 | 175 |
| <i>Leocereus paulensis</i> Speg. wfo--0000358007 | 54 | <i>Lepismium fluminense</i> Miq. wfo--0000357977 | 331 |
| <i>Leocereus squamosus</i> (Gürke) Werderm. wfo--0000358008 | 136 | <i>Lepismium gibberulum</i> (F.A.C.Weber) Backeb. wfo--0001223659 | 330 |
| <i>Leocereus urandianus</i> F.Ritter wfo--0001260060 | 174 | <i>Lepismium grandiflorum</i> (Haw.) Backeb. wfo--0001221664 | 330 |
| <i>Lepidocoryphantha</i> Backeb. wfo--4000021100 | 61 | <i>Lepismium houlettianum</i> (Lem.) Barthlott wfo--0000357981 | 176 |
| | | <i>Lepismium houlettianum</i> f. <i>houlettianum</i> wfo--0001434856 | 176 |
| | | <i>Lepismium houlettianum</i> f. <i>regnellii</i> (G.Lindb.) Barthlott & N.P.Taylor wfo--0001243533 | 176 |

| | | | |
|---|-----|--|----------|
| <i>Lepismium houlettianum</i> var. <i>regnellii</i> (G.Lindb.) Barthlott wfo--0001239315..... | 176 | <i>Lepismium sarmentaceum</i> (Otto & A.Dietr.) Vöcht. wfo--0001431269..... | 176 |
| <i>Lepismium ianothele</i> (Monv.) Barthlott wfo--0001239325..... | 306 | <i>Lepismium saxatile</i> H.Friedrich, Redecker & Backeb. wfo--0000358053..... | 329 |
| <i>Lepismium ianthothele</i> (Monv.) Barthlott wfo--0001251073..... | 306 | <i>Lepismium tenue</i> Pfeiff. wfo--0000358056..... | 175 |
| <i>Lepismium incachacanum</i> (Cárdenas) Barthlott wfo--0001239318..... | 194 | <i>Lepismium trigonum</i> (Pfeiff.) Backeb. wfo--0001223736..... | 333 |
| <i>Lepismium knightii</i> Pfeiff. wfo--0000357991..... | 175 | <i>Lepismium tucumanense</i> (F.A.C.Weber) Backeb. wfo--0001284284..... | 333 |
| <i>Lepismium lineare</i> (K.Schum.) Barthlott wfo--0001289764..... | 176 | <i>Lepismium vollii</i> Backeb. wfo--0000358057..... | 175 |
| <i>Lepismium lorentzianum</i> (Griseb.) Barthlott wfo--0001239316..... | 176 | <i>Lepismium warmingianum</i> (K.Schum.) Barthlott wfo--0000358068..... | 176 |
| <i>Lepismium lumbricoides</i> (Lem.) Barthlott wfo--0000357993..... | 176 | <i>Leptocereus</i> (A.Berger) Britton & Rose wfo--4000021233..... | 35, 176 |
| <i>Lepismium lumbricoides</i> f. <i>aculeatum</i> (F.A.C.Weber) Barthlott & N.P.Taylor wfo--0001243534..... | 176 | <i>Leptocereus albellus</i> (Areces) D.Barrios & S.Arias wfo--0001431270..... | 177 |
| <i>Lepismium lumbricoides</i> f. <i>lumbricoides</i> wfo--0001434857..... | 176 | <i>Leptocereus albellus</i> (Areces) Guiggi wfo--0001431271..... | 177 |
| <i>Lepismium marnierianum</i> Backeb. wfo--0000357994..... | 329 | <i>Leptocereus arboreus</i> Britton & Rose wfo--0000358063..... | 177 |
| <i>Lepismium mataralense</i> (F.Ritter) Süplie wfo--0001260123..... | 306 | <i>Leptocereus assurgens</i> (C.Wright ex Griseb.) Britton & Rose wfo--0001289098..... | 176, 177 |
| <i>Lepismium mataralense</i> var. <i>floccosum</i> (F.Ritter) Süplie wfo--0001431264..... | 306 | <i>Leptocereus assurgens</i> subsp. <i>albellus</i> (Areces) Guiggi wfo--0001431272..... | 177 |
| <i>Lepismium megalanthum</i> (Loefgr.) Backeb. wfo--0000358061..... | 331 | <i>Leptocereus assurgens</i> subsp. <i>chrysotyrius</i> (Areces) Guiggi wfo--0001431273..... | 177 |
| <i>Lepismium micranthum</i> (Vaupel) Barthlott wfo--0001289193..... | 194 | <i>Leptocereus assurgens</i> var. <i>albellus</i> Areces wfo--0001431274..... | 177 |
| <i>Lepismium miyagawae</i> (Barthlott & Rauh) Barthlott wfo--0001239327..... | 306 | <i>Leptocereus carinatus</i> Areces wfo--0000358077..... | 177 |
| <i>Lepismium monacanthum</i> (Griseb.) Barthlott wfo--0001239317..... | 307 | <i>Leptocereus chrysotyrius</i> Areces wfo--0001431275..... | 177 |
| <i>Lepismium monacanthum</i> subsp. <i>espinosum</i> (Kimmach) Süplie wfo--0001431265..... | 307 | <i>Leptocereus demissus</i> Areces wfo--0001431276..... | 177 |
| <i>Lepismium myosurus</i> (Salm-Dyck ex DC.) Pfeiff. wfo--0000358060..... | 175 | <i>Leptocereus ekmanii</i> (Werderm.) F.M.Knuth wfo--0001256201..... | 177 |
| <i>Lepismium neves-armondii</i> (K.Schum.) Backeb. wfo--0000358059..... | 331 | <i>Leptocereus grantianus</i> Britton wfo--0000358078..... | 177 |
| <i>Lepismium pacheco-leonis</i> (Loefgr.) Backeb. wfo--0000358049..... | 331 | <i>Leptocereus leonii</i> Britton & Rose wfo--0000358071..... | 177 |
| <i>Lepismium paradoxum</i> Salm-Dyck ex Pfeiff. wfo--0000358050..... | 331 | <i>Leptocereus maxonii</i> Britton & Rose wfo--0000358079..... | 177 |
| <i>Lepismium paranganiense</i> (Cárdenas) Barthlott wfo--0001239320..... | 307 | <i>Leptocereus nudiflorus</i> (Engelm. ex C.Wright) D.Barrios & S.Arias wfo--0001431277..... | 177 |
| <i>Lepismium</i> Pfeiff. wfo--4000021172..... | 175 | <i>Leptocereus paniculatus</i> (Lam.) D.R.Hunt wfo--0001289765..... | 177 |
| <i>Lepismium pittieri</i> (Britton & Rose) Backeb. wfo--0000358051..... | 332 | <i>Leptocereus prostratus</i> Britton & Rose wfo--0000358064..... | 177 |
| <i>Lepismium pulvinigerum</i> (G.Lindb.) Backeb. wfo--0001223718..... | 330 | <i>Leptocereus quadricostatus</i> (Bello) Britton & Rose wfo--0001289654..... | 177 |
| <i>Lepismium puniceodiscum</i> (G.Lindb.) Backeb. wfo--0000358058..... | 332 | <i>Leptocereus santamarinae</i> Areces wfo--0000358065..... | 177 |
| <i>Lepismium puniceo-discus</i> (G.Lindb.) Backeb. wfo--0001223719..... | 332 | <i>Leptocereus scopulophilus</i> Areces wfo--0000358066..... | 177 |
| <i>Lepismium puniceodiscus</i> (G.Lindb.) Backeb. wfo--0001431266..... | 332 | <i>Leptocereus sylvestris</i> Britton & Rose wfo--0000358067..... | 177 |
| <i>Lepismium puniceodiscus</i> var. <i>chrysocarpum</i> (Loefgr.) Backeb. wfo--0001431267..... | 332 | <i>Leptocereus undulosus</i> (DC.) D.Barrios & Majure wfo--0001431278..... | 177 |
| <i>Lepismium radicans</i> Vöcht. wfo--0001431268..... | 175 | <i>Leptocereus velozianus</i> Clase, Y.Encarn., Peguero & Majure wfo--0001431279..... | 177 |
| <i>Lepismium ramosissimum</i> Lem. wfo--0000358052..... | 175 | <i>Leptocereus weingartianus</i> (E.Hartmann) Britton & Rose wfo--0001289653..... | 177 |
| <i>Lepismium rigidum</i> (Loefgr.) Backeb. wfo--0000358048..... | 329 | <i>Leptocereus wrightii</i> León wfo--0000358070..... | 177 |
| | | <i>Leptocladia</i> Buxb. wfo--4000021245..... | 197 |
| | | <i>Leptocladia densispina</i> (J.M.Coult.) Buxb. wfo--0001288759..... | 205 |
| | | <i>Leptocladia echinaria</i> (DC.) Buxb. wfo--0000358072..... | 207 |
| | | <i>Leptocladia elongata</i> (DC.) Buxb. wfo--0001228979..... | 206 |
| | | <i>Leptocladia leona</i> (Poselg.) Buxb. wfo--0000358073..... | 228 |
| | | <i>Leptocladia microhelia</i> (Werderm.) Buxb. wfo--0000358074..... | 222 |

| | | | |
|--|-------------|---|----------|
| <i>Leptocladia microheliopsis</i> (Werderm.) Buxb. wfo-- 0000358075..... | 222 | <i>Leucosteles undulosa</i> (Albesiano) Schlumpb. wfo-- 0001434864..... | 180 |
| <i>Leptocladia mieheana</i> (Tiegel) Buxb. wfo--0000358046405 | | <i>Leucosteles werdermanniana</i> (Backeb.) Schlumpb. wfo-- 0001431292..... | 180 |
| <i>Leptocladia sphaelata</i> (Mart.) Buxb. wfo--0000367590 | 233 | <i>Leuenbergeria aureiflora</i> (F.Ritter) Lodé wfo--0001431293 | 180 |
| <i>Leptocladia viperina</i> (J.A.Purpus) Buxb. wfo--0000358030 | 233 | <i>Leuenbergeria bleo</i> (Kunth) Lodé wfo--0001431294 | 180 |
| <i>Leptocladodia</i> Buxb. wfo--4000021248..... | 197 | <i>Leuenbergeria guamacho</i> (F.A.C.Weber) Lodé wfo-- 0001431295..... | 180 |
| <i>Leptocladodia elongata</i> (DC.) Buxb. wfo--0000358031 | 197, 206 | <i>Leuenbergeria</i> Lodé wfo--4001303296..... | 180 |
| <i>Leptocladodia microhelia</i> (Werderm.) Buxb. wfo-- 0000358032..... | 222 | <i>Leuenbergeria lychnidiflora</i> (DC.) Lodé wfo--0001431296 | 180 |
| <i>Leptocladodia microhelia</i> f. <i>microheliopsis</i> (Werderm.) Krainz wfo--0001431280..... | 222 | <i>Leuenbergeria marcanoi</i> (Areces) Lodé wfo--0001431297 | 181 |
| <i>Leptocladodia microheliopsis</i> (Werderm.) Buxb. wfo-- 0000358033..... | 222 | <i>Leuenbergeria portulacifolia</i> (L.) Lodé wfo--0001431298 | 181 |
| <i>Leptocladodia sphaelata</i> (Mart.) Buxb. wfo--0000358034 | 233 | <i>Leuenbergeria quisqueyana</i> (Alain) Lodé wfo-- 0001431299..... | 180, 181 |
| <i>Leptocladodia viperina</i> (J.A.Purpus) Buxb. wfo-- 0000358038..... | 233 | <i>Leuenbergeria zinniiflora</i> (DC.) Lodé wfo--0001431300 | 181 |
| <i>Leuchtenbergia</i> Hook. wfo--4000021501..... | 177 | <i>Lobeira</i> Alexander wfo--4000022033..... | 82 |
| <i>Leuchtenbergia principis</i> Hook. wfo--0001289425..... | 177 | <i>Lobeira macdougallii</i> Alexander wfo--0001288296 | 82, 84 |
| <i>Leucosteles atacamensis</i> (Phil.) Schlumpb. wfo-- 0001431281..... | 178 | <i>Lobivia abrantha</i> Y.Itô wfo--0000358037..... | 415 |
| <i>Leucosteles atacamensis</i> subsp. <i>atacamensis</i> wfo-- 0001434858..... | 178 | <i>Lobivia acanthoplegma</i> (Backeb.) Backeb. wfo-- 0000358035..... | 190 |
| <i>Leucosteles atacamensis</i> subsp. <i>pasacana</i> (F.A.C.Weber ex Rümpfer) Schlumpb. wfo--0001434859..... | 178 | <i>Lobivia acanthoplegma</i> f. <i>neocinnabarina</i> (Backeb.) J.Ullmann wfo--0001431301..... | 190 |
| <i>Leucosteles</i> Backeb. wfo--4000021610..... | 178 | <i>Lobivia acanthoplegma</i> f. <i>patula</i> (Rausch) J.Ullmann wfo-- 0001431302..... | 190 |
| <i>Leucosteles bolligeriana</i> (Mächler & Helmut Walter) Schlumpb. wfo--0001431282..... | 178 | <i>Lobivia acanthoplegma</i> f. <i>pseudocinnabarina</i> (Backeb.) J.Ullmann wfo--0001431303..... | 190 |
| <i>Leucosteles chiloensis</i> (Colla) Schlumpb. wfo--0001431283 | 178 | <i>Lobivia acanthoplegma</i> f. <i>taratensis</i> (Cárdenas) J.Ullmann wfo--0001431304..... | 190 |
| <i>Leucosteles chiloensis</i> subsp. <i>australis</i> (F.Ritter) Schlumpb. wfo--0001434860..... | 179 | <i>Lobivia acanthoplegma</i> var. <i>oligotricha</i> (Cárdenas) Gertel & R.Wahl wfo--0001283970..... | 190 |
| <i>Leucosteles chiloensis</i> subsp. <i>chiloensis</i> wfo--0001436303 | 179 | <i>Lobivia acanthoplegma</i> var. <i>patula</i> Rausch wfo-- 0001246775..... | 190 |
| <i>Leucosteles chiloensis</i> subsp. <i>eburneus</i> (Phil. ex K.Schum.) Schlumpb. wfo--0001434679..... | 179 | <i>Lobivia acanthoplegma</i> var. <i>pilosa</i> Rausch wfo-- 0001246776..... | 190 |
| <i>Leucosteles chiloensis</i> subsp. <i>panhoplites</i> (K.Schum.) Schlumpb. wfo--0001434861..... | 179 | <i>Lobivia acanthoplegma</i> var. <i>roseiflora</i> Rausch wfo-- 0001246777..... | 190 |
| <i>Leucosteles coquimbana</i> (Molina) Schlumpb. wfo-- 0001431284..... | 396 | <i>Lobivia acchaensis</i> Eb.Scholz wfo--0000509756..... | 415 |
| <i>Leucosteles deserticola</i> (Werderm.) Schlumpb. wfo-- 0001431285..... | 179 | <i>Lobivia aculeata</i> Buining wfo--0001260713..... | 189 |
| <i>Leucosteles faundezii</i> (Albesiano) Schlumpb. wfo-- 0001434862..... | 179 | <i>Lobivia adpressispina</i> F.Ritter wfo--0001246778..... | 189 |
| <i>Leucosteles litoralis</i> (Johow) P.C.Guerrero & Helmut Walter wfo--0001431286..... | 179 | <i>Lobivia aguilarii</i> R.Vásquez wfo--0001431305..... | 183 |
| <i>Leucosteles nigripilis</i> (Phil.) P.C.Guerrero & Helmut Walter wfo--0001431287..... | 179 | <i>Lobivia aguilarii</i> R.Vásquez wfo--0001246779..... | 187 |
| <i>Leucosteles pectinifera</i> (Albesiano) Schlumpb. wfo-- 0001434863..... | 179 | <i>Lobivia akersii</i> Rausch wfo--0001287796..... | 191 |
| <i>Leucosteles rivierei</i> Backeb. wfo--0001431288..... | 178 | <i>Lobivia albicentra</i> (Frič) Y.Itô wfo--0000358029..... | 415 |
| <i>Leucosteles rivieri</i> Backeb. wfo--0001284308..... | 178 | <i>Lobivia albipectinata</i> (Rausch) Neirinck wfo--0001431306 | 19 |
| <i>Leucosteles skottsbergii</i> (Backeb. ex Skottsberg.) P.C.Guerrero & Helmut Walter wfo--0001431289..... | 179 | <i>Lobivia albolanata</i> (Buining) Krainz wfo--0000358019. | 105 |
| <i>Leucosteles terscheckii</i> (J.Parm. ex Pfeiff.) Schlumpb. wfo-- 0001431290..... | 180 | <i>Lobivia albopectinata</i> (Rausch) Neirinck wfo--0001260460 | 19 |
| <i>Leucosteles tunariensis</i> (Cárdenas) Schlumpb. wfo-- 0001431291..... | 180 | <i>Lobivia allegraiana</i> Backeb. wfo--0001287713..... | 185 |
| | | <i>Lobivia amblayensis</i> Rausch wfo--0000358042..... | 106 |
| | | <i>Lobivia amblayensis</i> var. <i>albispina</i> Rausch wfo-- 0000358043..... | 106 |
| | | <i>Lobivia ancistrophora</i> (Speg.) Schlumpb. wfo-- 0001431307..... | 181 |
| | | <i>Lobivia andagalensis</i> (F.A.C.Weber ex K.Schum.) Britton & Rose wfo--0001289092..... | 348 |
| | | <i>Lobivia apurimacana</i> F.Ritter wfo--0001289262..... | 415 |

| | | | |
|---|-----|---|-----|
| <i>Lobivia arachnacantha</i> Buining & F.Ritter wfo-- 0001246781..... | 182 | <i>Lobivia backebergii</i> (Werderm.) Backeb. wfo--0001287929 | 182 |
| <i>Lobivia arachnacantha</i> subsp. <i>arachnacantha</i> wfo-- 0001434865..... | 182 | <i>Lobivia backebergii</i> subsp. <i>hertrichiana</i> (Backeb.) Rausch ex G.D.Rowley wfo--0001431325 | 185 |
| <i>Lobivia arachnacantha</i> var. <i>densiseta</i> Rausch wfo-- 0001283874..... | 182 | <i>Lobivia backebergii</i> subsp. <i>hertrichiana</i> (Backeb.) Rausch wfo--0001431324 | 185 |
| <i>Lobivia arachnacantha</i> var. <i>sulphurea</i> R.Vásquez wfo-- 0001246780..... | 182 | <i>Lobivia backebergii</i> subsp. <i>schieliana</i> (Backeb.) Rausch ex G.D.Rowley wfo--0001431327 | 190 |
| <i>Lobivia arachnacantha</i> var. <i>torrecillasensis</i> (Cárdenas) Buining wfo--0001284553 | 182 | <i>Lobivia backebergii</i> subsp. <i>schieliana</i> (Backeb.) Rausch wfo--0001431326 | 190 |
| <i>Lobivia areopegon</i> Speg. ex Hosseus wfo--0000358044415 | | <i>Lobivia backebergii</i> subsp. <i>wrightiana</i> (Backeb.) Rausch wfo--0001431328 | 182 |
| <i>Lobivia argentea</i> Backeb. wfo--0001245588..... | 189 | <i>Lobivia backebergii</i> subsp. <i>zecheri</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431330 | 182 |
| <i>Lobivia atrovirens</i> Backeb. wfo--0001246783 | 24 | <i>Lobivia backebergii</i> subsp. <i>zecheri</i> (Rausch) Rausch wfo-- 0001431329 | 182 |
| <i>Lobivia atrovirens</i> var. <i>haefneriana</i> (Cullmann) Rausch wfo-- --0001431308 | 25 | <i>Lobivia backebergii</i> var. <i>capinotensis</i> E.Herzog wfo-- 0001431331 | 415 |
| <i>Lobivia atrovirens</i> var. <i>huasiensis</i> (Rausch) Rausch wfo-- 0001431309..... | 26 | <i>Lobivia backebergii</i> var. <i>hertrichiana</i> (Backeb.) Rausch wfo-- --0001287930..... | 185 |
| <i>Lobivia atrovirens</i> var. <i>pseudoritteri</i> Rausch wfo-- 0001246782..... | 26 | <i>Lobivia backebergii</i> var. <i>larae</i> (Cárdenas) Rausch wfo-- 0001260469 | 189 |
| <i>Lobivia atrovirens</i> var. <i>raulii</i> (Rausch) Rausch wfo-- 0001431310..... | 323 | <i>Lobivia backebergii</i> var. <i>loui</i> Rausch wfo--0001287934 | 185 |
| <i>Lobivia atrovirens</i> var. <i>ritteri</i> (Wessner) Rausch wfo-- 0001431311..... | 323 | <i>Lobivia backebergii</i> var. <i>oxyalabastra</i> (Cárdenas & Rausch) Rausch wfo--0001283880 | 182 |
| <i>Lobivia atrovirens</i> var. <i>yuncharasensis</i> Rausch wfo-- 0001431312..... | 27 | <i>Lobivia backebergii</i> var. <i>schieliana</i> (Backeb.) Rausch wfo-- 0001431332 | 190 |
| <i>Lobivia atrovirens</i> var. <i>yuquinensis</i> (Rausch) Rausch wfo-- 0001260463..... | 26 | <i>Lobivia backebergii</i> var. <i>simplex</i> (Rausch) Rausch wfo-- 0001287935 | 185 |
| <i>Lobivia atrovirens</i> var. <i>zecheri</i> (Rausch) Rausch wfo-- 0001260464..... | 26 | <i>Lobivia backebergii</i> var. <i>winteriana</i> (F.Ritter) Rausch wfo-- 0001287937 | 182 |
| <i>Lobivia auranitida</i> var. <i>gracilis</i> Wessner wfo--0001431313 | 22 | <i>Lobivia backebergii</i> var. <i>wrightiana</i> (Backeb.) Rausch wfo-- -0001287938 | 182 |
| <i>Lobivia auranitida</i> Wessner wfo--0001245589 | 22 | <i>Lobivia backebergii</i> var. <i>zecheri</i> (Rausch) Rausch wfo-- 0001287939 | 182 |
| <i>Lobivia aurantiaca</i> Backeb. wfo--0001260714..... | 189 | <i>Lobivia binghamiana</i> Backeb. wfo--0001287714..... | 185 |
| <i>Lobivia aurea</i> (Britton & Rose) Backeb. wfo--0000358081 | 103 | <i>Lobivia boedeckeriana</i> Harden ex Boed. wfo--0001260726 | 189 |
| <i>Lobivia aurea</i> subsp. <i>fallax</i> (Oehme) Lodé wfo-- 0001431314..... | 104 | <i>Lobivia boliviensis</i> Britton & Rose wfo--0001245591 ... | 188 |
| <i>Lobivia aurea</i> subsp. <i>shaferi</i> (Britton & Rose) Lodé wfo-- 0001431315..... | 104 | <i>Lobivia boliviensis</i> var. <i>croceantha</i> Y.Itô wfo--0001431333 | 403 |
| <i>Lobivia aurea</i> var. <i>albiflora</i> Rausch wfo--0001431316.. | 103 | <i>Lobivia boliviensis</i> var. <i>rubriflora</i> Y.Itô wfo--0001431334 | 403 |
| <i>Lobivia aurea</i> var. <i>callochrysea</i> (F.Ritter) Rausch wfo-- 0001431317..... | 109 | <i>Lobivia boliviensis</i> var. <i>violaciflora</i> Y.Itô wfo--0001431335 | 403 |
| <i>Lobivia aurea</i> var. <i>catamarcensis</i> (F.Ritter) Rausch wfo-- 0001431318..... | 103 | <i>Lobivia bonnieae</i> Halda, Hogan & Janeba wfo-- 0000357936 | 325 |
| <i>Lobivia aurea</i> var. <i>dobeana</i> (Dölz) Rausch wfo-- 0001431319..... | 104 | <i>Lobivia boyuibensis</i> (F.Ritter) Schlumpb. wfo--0001431336 | 182 |
| <i>Lobivia aurea</i> var. <i>elegans</i> Backeb. wfo--0001431320.. | 103 | <i>Lobivia brachiantha</i> Wessner wfo--0001245592 | 182 |
| <i>Lobivia aurea</i> var. <i>quinesensis</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431321 | 103 | <i>Lobivia brachyantha</i> Wessner wfo--0001431337 | 25 |
| <i>Lobivia aurea</i> var. <i>sierragrandensis</i> Rausch wfo-- 0001260467..... | 103 | <i>Lobivia breviflora</i> Backeb. wfo--0000357937 | 104 |
| <i>Lobivia aurea</i> var. <i>tortuosa</i> Rausch wfo--0001260468.. | 103 | <i>Lobivia bridgesii</i> (Salm-Dyck) Schlumpb. wfo--0001431338 | 182 |
| <i>Lobivia aureiflora</i> (Backeb.) H.P.Kelsey & Dayton wfo-- 0000367473..... | 22 | <i>Lobivia bridgesii</i> subsp. <i>bridgesii</i> wfo--0001434866 ... | 183 |
| <i>Lobivia aureoilacina</i> Cárdenas wfo--0001288181 | 184 | <i>Lobivia bridgesii</i> subsp. <i>vallegrandensis</i> (Cárdenas) Schlumpb. wfo--0001434680..... | 183 |
| <i>Lobivia aureosonilis</i> Knize wfo--0001287918 | 187 | <i>Lobivia bridgesii</i> subsp. <i>yungasensis</i> (F.Ritter) Schlumpb. wfo--0001434693 | 183 |
| <i>Lobivia ayacuchensis</i> Johnson & Y.Itô wfo--0001431322 | 190 | <i>Lobivia Britton & Rose</i> wfo--4000022042..... | 181 |
| <i>Lobivia ayopayana</i> (F.Ritter & Rausch) Schlumpb. wfo-- 0001431323..... | 182 | <i>Lobivia bruchii</i> Britton & Rose wfo--0001289758 | 345 |
| <i>Lobivia backebergiana</i> Y.Itô wfo--0000358040..... | 182 | <i>Lobivia bruchii</i> var. <i>nivalis</i> Frič wfo--0001431339..... | 416 |

| | | | |
|---|-----|--|-----|
| <i>Lobivia bruneo-rosea</i> Backeb. wfo---0001283945..... | 189 | <i>Lobivia chrysantha</i> subvar. <i>fleischeriana</i> (Backeb.) Rausch wfo---0001431356..... | 107 |
| <i>Lobivia buiningiana</i> F.Ritter wfo---0001288329..... | 107 | <i>Lobivia chrysantha</i> subvar. <i>hypocyrtia</i> (Rausch) Rausch wfo---0001431357..... | 104 |
| <i>Lobivia cachensis</i> (Speg.) Britton & Rose wfo---0001257586..... | 106 | <i>Lobivia chrysantha</i> subvar. <i>klusacekii</i> (Frič) Rausch wfo---0001431358..... | 104 |
| <i>Lobivia caespitosa</i> (J.A.Purpus) Britton & Rose wfo---0001289520..... | 186 | <i>Lobivia chrysantha</i> subvar. <i>paucicostata</i> (Rausch) Rausch wfo---0001431359..... | 107 |
| <i>Lobivia caespitosa</i> var. <i>altiplani</i> F.Ritter wfo---0001431340..... | 403 | <i>Lobivia chrysantha</i> subvar. <i>rubescens</i> (Backeb.) Rausch wfo---0001431360..... | 107 |
| <i>Lobivia caespitosa</i> var. <i>columnaris</i> Y.Itô wfo---0001431341..... | 403 | <i>Lobivia chrysantha</i> subvar. <i>vatteri</i> (Krainz) Rausch wfo---0001431361..... | 107 |
| <i>Lobivia caespitosa</i> var. <i>rinconadensis</i> F.Ritter wfo---0001431342..... | 403 | <i>Lobivia chrysantha</i> var. <i>casपालasensis</i> (Rausch) G.D.Rowley wfo---0001431362..... | 107 |
| <i>Lobivia caespitosa</i> var. <i>violacea</i> Rausch wfo---0001246785..... | 186 | <i>Lobivia chrysantha</i> var. <i>glauca</i> (Rausch) G.D.Rowley wfo---0001431363..... | 107 |
| <i>Lobivia caineana</i> Cárdenas wfo---0001288164..... | 183 | <i>Lobivia chrysantha</i> var. <i>hossei</i> (Werderm.) Backeb. wfo---0001431364..... | 414 |
| <i>Lobivia calliantholilacina</i> (Cárdenas) Lodé wfo---0001431343..... | 187 | <i>Lobivia chrysantha</i> var. <i>hypocyrtia</i> Rausch wfo---0001431365..... | 104 |
| <i>Lobivia callichroma</i> (Cárdenas) Lodé wfo---0001431344..... | 187 | <i>Lobivia chrysantha</i> var. <i>jajoana</i> (Backeb.) Rausch wfo---0001431366..... | 107 |
| <i>Lobivia callochrysea</i> (F.Ritter) Lodé wfo---0001431345..... | 109 | <i>Lobivia chrysantha</i> var. <i>janseniana</i> Backeb. wfo---0001431367..... | 415 |
| <i>Lobivia calochlora</i> (K.Schum.) Schlumpb. wfo---0001431346..... | 104 | <i>Lobivia chrysantha</i> var. <i>klusacekii</i> (Frič) Rausch ex G.D.Rowley wfo---0001431368..... | 104 |
| <i>Lobivia calorubra</i> (Cárdenas) Rausch wfo---0001260616..... | 183 | <i>Lobivia chrysantha</i> var. <i>leucacantha</i> Backeb. wfo---0001431369..... | 415 |
| <i>Lobivia calorubra</i> var. <i>grandiflora</i> (Rausch) Rausch wfo---0001260617..... | 183 | <i>Lobivia chrysantha</i> var. <i>marsoneri</i> (Werderm.) Rausch wfo---0001431370..... | 107 |
| <i>Lobivia calorubra</i> var. <i>megaloccephala</i> (Rausch) Rausch wfo---0001431347..... | 183 | <i>Lobivia chrysantha</i> var. <i>muhriae</i> (Backeb.) G.D.Rowley wfo---0001431371..... | 107 |
| <i>Lobivia calorubra</i> var. <i>mizquensis</i> (Rausch) Rausch wfo---0001431348..... | 187 | <i>Lobivia chrysantha</i> var. <i>paucicostata</i> (Rausch) Rausch wfo---0001431372..... | 107 |
| <i>Lobivia calorubra</i> var. <i>pojoensis</i> (Rausch) Rausch wfo---0001260620..... | 187 | <i>Lobivia chrysantha</i> var. <i>rubescens</i> (Backeb.) Rausch ex G.D.Rowley wfo---0001431373..... | 107 |
| <i>Lobivia camataquiensis</i> Cárdenas wfo---0001260697..... | 185 | <i>Lobivia chrysantha</i> var. <i>vatteri</i> (Krainz) Rausch ex G.D.Rowley wfo---0000357939..... | 107 |
| <i>Lobivia campicola</i> F.Ritter wfo---0001246786..... | 189 | <i>Lobivia chrysochete</i> (Werderm.) Wessner wfo---0001283609..... | 183 |
| <i>Lobivia cardenasiana</i> Rausch wfo---0001246787..... | 183 | <i>Lobivia chrysochete</i> var. <i>hystrix</i> (F.Ritter) J.Ullmann wfo---0001431374..... | 183 |
| <i>Lobivia cariquinensis</i> Cárdenas wfo---0001288175..... | 186 | <i>Lobivia chrysochete</i> var. <i>markusii</i> (Rausch) Rausch wfo---0001431375..... | 183 |
| <i>Lobivia carminantha</i> Backeb. wfo---0001245593..... | 189 | <i>Lobivia chrysochete</i> var. <i>minutiflora</i> Rausch wfo---0001431376..... | 186 |
| <i>Lobivia charazanensis</i> Cárdenas wfo---0001274390..... | 186 | <i>Lobivia chrysochete</i> var. <i>subtilis</i> Rausch wfo---0001431377..... | 183 |
| <i>Lobivia charcasina</i> Cárdenas wfo---0001260622..... | 184 | <i>Lobivia chrysochete</i> var. <i>tenuispina</i> (F.Ritter) Rausch wfo---0001431378..... | 183 |
| <i>Lobivia chereauiana</i> (Schlumb.) Backeb. wfo---0000357941..... | 183 | <i>Lobivia cinabarina</i> var. <i>grandiflora</i> Rausch wfo---0001431379..... | 415 |
| <i>Lobivia chionanthus</i> (Speg.) Britton & Rose wfo---0001257590..... | 4 | <i>Lobivia cincero</i> Frič wfo---0000357933..... | 415 |
| <i>Lobivia chlorogona</i> var. <i>cupreoviridis</i> Wessner wfo---0001431349..... | 105 | <i>Lobivia cinnabarina</i> (Hook.) Britton & Rose wfo---0001245594..... | 183 |
| <i>Lobivia chlorogona</i> var. <i>purpureostoma</i> Wessner wfo---0001431350..... | 105 | <i>Lobivia cinnabarina</i> f. <i>charcasina</i> (Cárdenas) J.Ullmann wfo---0001431380..... | 184 |
| <i>Lobivia chlorogona</i> var. <i>rubroviridis</i> Wessner wfo---0001431351..... | 105 | <i>Lobivia cinnabarina</i> subsp. <i>acanthoplegma</i> (Backeb.) Rausch wfo---0001431381..... | 190 |
| <i>Lobivia chlorogona</i> var. <i>versicolor</i> Wessner wfo---0001431352..... | 415 | <i>Lobivia cinnabarina</i> subsp. <i>prestoana</i> (Cárdenas) Rausch ex G.D.Rowley wfo---0001431383..... | 184 |
| <i>Lobivia chlorogona</i> Wessner wfo---0001260673..... | 105 | | |
| <i>Lobivia chorrillosensis</i> Rausch wfo---0001260674..... | 106 | | |
| <i>Lobivia chrysacantha</i> (Backeb.) H.P.Kelsey & Dayton wfo---0000367480..... | 322 | | |
| <i>Lobivia chrysantha</i> (Werderm.) Backeb. wfo---0000357943..... | 104 | | |
| <i>Lobivia chrysantha</i> subsp. <i>jajoana</i> (Backeb.) Rausch ex G.D.Rowley wfo---0001431353..... | 107 | | |
| <i>Lobivia chrysantha</i> subsp. <i>marsoneri</i> (Werderm.) Rausch ex G.D.Rowley wfo---0001431355..... | 107 | | |
| <i>Lobivia chrysantha</i> subsp. <i>marsoneri</i> (Werderm.) Rausch wfo---0001431354..... | 107 | | |

| | | | |
|---|-----|--|-----|
| <i>Lobivia cinnabarina</i> subsp. <i>prestoana</i> (Cárdenas) Rausch wfo--0001431382..... | 184 | <i>Lobivia densispina</i> f. <i>citriflora</i> (Wessner) Buining wfo--0001431404..... | 325 |
| <i>Lobivia cinnabarina</i> subsp. <i>taratensis</i> (Cárdenas) G.D.Rowley wfo--0001431384..... | 190 | <i>Lobivia densispina</i> f. <i>citriniflora</i> (Backeb.) Buining wfo--0001431405..... | 105 |
| <i>Lobivia cinnabarina</i> subvar. <i>draxleriana</i> (Rausch) Rausch wfo--0001431385..... | 184 | <i>Lobivia densispina</i> f. <i>cupreoviridis</i> (Wessner) Buining wfo--0001431406..... | 105 |
| <i>Lobivia cinnabarina</i> subvar. <i>neocinnabarina</i> (Backeb.) Rausch wfo--0001431386..... | 190 | <i>Lobivia densispina</i> f. <i>eburnea</i> (Wessner) Buining wfo--0001431407..... | 326 |
| <i>Lobivia cinnabarina</i> subvar. <i>oligotricha</i> (Cárdenas) Rausch wfo--0001431387..... | 190 | <i>Lobivia densispina</i> f. <i>haematantha</i> (Backeb. ex Wessner) Buining wfo--0001431408..... | 105 |
| <i>Lobivia cinnabarina</i> subvar. <i>walterspielii</i> (Boed.) Rausch wfo--0001431388..... | 184 | <i>Lobivia densispina</i> f. <i>kraussiana</i> (Backeb.) Buining wfo--0001431409..... | 105 |
| <i>Lobivia cinnabarina</i> subvar. <i>zudanensis</i> (Cárdenas) Rausch wfo--0001431389..... | 184 | <i>Lobivia densispina</i> f. <i>leucomalla</i> (Wessner) Buining wfo--0001431410..... | 104 |
| <i>Lobivia cinnabarina</i> var. <i>acanthoplegma</i> (Backeb.) Rausch wfo--0001431390..... | 190 | <i>Lobivia densispina</i> f. <i>pectinifera</i> (Wessner) Buining wfo--0001431411..... | 105 |
| <i>Lobivia cinnabarina</i> var. <i>draxleriana</i> (Rausch) Rausch ex G.D.Rowley wfo--0001260623..... | 184 | <i>Lobivia densispina</i> f. <i>rubroviridis</i> (Wessner) Buining wfo--0001431412..... | 105 |
| <i>Lobivia cinnabarina</i> var. <i>oligotricha</i> (Cárdenas) Rausch ex G.D.Rowley wfo--0001431391..... | 190 | <i>Lobivia densispina</i> f. <i>sanguinea</i> (Wessner) Buining wfo--0001431413..... | 105 |
| <i>Lobivia cinnabarina</i> var. <i>prestoana</i> (Cárdenas) J.Ullmann wfo--0001431392..... | 184 | <i>Lobivia densispina</i> f. <i>setosa</i> (Backeb.) Buining wfo--0001431414..... | 105 |
| <i>Lobivia cinnabarina</i> var. <i>prestoana</i> (Cárdenas) Rausch wfo--0001431393..... | 184 | <i>Lobivia densispina</i> f. <i>subcarnea</i> (Wessner) Buining wfo--0001431415..... | 326 |
| <i>Lobivia cinnabarina</i> var. <i>spinosior</i> (Salm-Dyck) Y.Itô ex Backeb. wfo--0001431394..... | 183 | <i>Lobivia densispina</i> f. <i>sublimiflora</i> (Backeb. ex Wessner) Buining wfo--0001431416..... | 105 |
| <i>Lobivia cinnabarina</i> var. <i>walterspielii</i> (Boed.) Rausch ex G.D.Rowley wfo--0001431395..... | 184 | <i>Lobivia densispina</i> f. <i>sufflava</i> (Wessner) Buining wfo--0001431417..... | 326 |
| <i>Lobivia cinnabarina</i> var. <i>zudanensis</i> (Cárdenas) Rausch ex G.D.Rowley wfo--0001431396..... | 184 | <i>Lobivia densispina</i> f. <i>versicolor</i> (Wessner) Buining wfo--0001431418..... | 415 |
| <i>Lobivia cintiensis</i> Cárdenas wfo--0001288174..... | 185 | <i>Lobivia densispina</i> f. <i>wessneriana</i> (Fritzen) Buining wfo--0001431419..... | 105 |
| <i>Lobivia cintiensis</i> var. <i>elongata</i> F.Ritter wfo--0001283920..... | 185 | <i>Lobivia densispina</i> var. <i>blossfeldii</i> Wessner wfo--0001431420..... | 105 |
| <i>Lobivia claeysiana</i> Backeb. wfo--0001245595..... | 184 | <i>Lobivia densispina</i> var. <i>kreuzingeri</i> (Frič ex Buining) Buining wfo--0001431421..... | 105 |
| <i>Lobivia columnaris</i> Wessner wfo--0000357948..... | 23 | <i>Lobivia densispina</i> var. <i>rebutioides</i> (Backeb.) Buining wfo--0001431422..... | 106 |
| <i>Lobivia conoidea</i> Wessner wfo--0000357927..... | 23 | <i>Lobivia densispina</i> var. <i>sanguinea</i> Wessner wfo--0001431423..... | 105 |
| <i>Lobivia corbula</i> (Herrera) Britton & Rose wfo--0001287447..... | 186 | <i>Lobivia densispina</i> Werderm. ex Backeb. & F.M.Knuth wfo--0001284307..... | 104 |
| <i>Lobivia cornula</i> Rausch wfo--0000357961..... | 415 | <i>Lobivia digitiformis</i> Backeb. wfo--0001283957..... | 24 |
| <i>Lobivia cornuta</i> Rausch wfo--0001246788..... | 189 | <i>Lobivia dobeana</i> Dölz wfo--0001431424..... | 104 |
| <i>Lobivia coronata</i> (Cárdenas) Schlumpb. wfo--0001431397..... | 184 | <i>Lobivia dragai</i> Frič wfo--0000357967..... | 415 |
| <i>Lobivia costata</i> (Werderm.) Wessner wfo--0000357962..... | 24 | <i>Lobivia draxleriana</i> Rausch wfo--0001246789..... | 184 |
| <i>Lobivia crassicaulis</i> R.Kiesling wfo--0001255791..... | 347 | <i>Lobivia drijveriana</i> Backeb. wfo--0001245596..... | 106 |
| <i>Lobivia cruciaureispina</i> Knize wfo--0001287792..... | 186 | <i>Lobivia drijveriana</i> var. <i>astranthemea</i> Backeb. wfo--0001431425..... | 106 |
| <i>Lobivia culpinensis</i> F.Ritter wfo--0001283947..... | 189 | <i>Lobivia drijveriana</i> var. <i>aurantiaca</i> Backeb. wfo--0001431426..... | 415 |
| <i>Lobivia cumingii</i> (Hopffer) Britton & Rose wfo--0001287450..... | 384 | <i>Lobivia drijveriana</i> var. <i>nobilis</i> Backeb. wfo--0001431427..... | 415 |
| <i>Lobivia cylindracea</i> Backeb. wfo--0000357969..... | 104 | <i>Lobivia ducis-pauli</i> (C.F.Först.) Borg wfo--0000357964..... | 80 |
| <i>Lobivia cylindrica</i> Backeb. wfo--0000357965..... | 103 | <i>Lobivia ducis-pauli</i> Frič wfo--0000357966..... | 416 |
| <i>Lobivia densispina</i> f. <i>albiflora</i> (Wessner) Buining wfo--0001431398..... | 105 | <i>Lobivia ducis-pauli</i> var. <i>cristata</i> Frič ex Kreuz. wfo--0001431428..... | 416 |
| <i>Lobivia densispina</i> f. <i>albolanata</i> (Buining) Buining wfo--0001431399..... | 105 | <i>Lobivia duersmaiana</i> Backeb. wfo--0000357959..... | 416 |
| <i>Lobivia densispina</i> f. <i>aurantiaca</i> (Wessner) Buining wfo--0001431400..... | 325 | <i>Lobivia echinata</i> Rausch wfo--0001287808..... | 185 |
| <i>Lobivia densispina</i> f. <i>blossfeldii</i> (Wessner) Buining wfo--0001431401..... | 105 | <i>Lobivia einsteinii</i> (Frič) Rausch wfo--0001260625..... | 21 |
| <i>Lobivia densispina</i> f. <i>chlorogona</i> (Wessner) Buining wfo--0001431402..... | 105 | <i>Lobivia einsteinii</i> var. <i>atrospinosa</i> Rausch wfo--0001260626..... | 23 |
| <i>Lobivia densispina</i> f. <i>cinnabarina</i> (Backeb. ex Wessner) Buining wfo--0001431403..... | 325 | | |

| | | | |
|---|-----|--|-----|
| <i>Lobivia einsteinii</i> var. <i>aureiflora</i> (Backeb.) Rausch wfo-- 0001260627..... | 22 | <i>Lobivia ferox</i> var. <i>camargensis</i> F.Ritter wfo--0001246790 | 184 |
| <i>Lobivia einsteinii</i> var. <i>elegans</i> (Backeb.) Rausch wfo-- 0001260629..... | 22 | <i>Lobivia ferox</i> var. <i>longispina</i> (Britton & Rose) Rausch wfo-- 0001431443..... | 184 |
| <i>Lobivia einsteinii</i> var. <i>gonjianii</i> (R.Kiesling) Rausch wfo-- 0001260630..... | 23 | <i>Lobivia ferox</i> var. <i>nigra</i> (Backeb.) H.Friedrich wfo-- 0001431444..... | 184 |
| <i>Lobivia elongata</i> Backeb. wfo--0000357958..... | 106 | <i>Lobivia formosa</i> (Pfeiff.) Dodds wfo--0000357970..... | 347 |
| <i>Lobivia emmae</i> Backeb. wfo--0001260739..... | 43 | <i>Lobivia formosa</i> subsp. <i>bruchii</i> (Britton & Rose) Rausch wfo--0001431445..... | 345 |
| <i>Lobivia emmae</i> var. <i>brevispina</i> Backeb. wfo--0001431429 | 416 | <i>Lobivia formosa</i> subsp. <i>grandis</i> (Britton & Rose) Rausch wfo--0001431446..... | 345 |
| <i>Lobivia erosa</i> O.F.Cook wfo--0000367515..... | 416 | <i>Lobivia formosa</i> subsp. <i>tarijensis</i> (Vaupel) Rausch wfo-- 0001431447..... | 349 |
| <i>Lobivia euanthema</i> Backeb. wfo--0001234028..... | 22 | <i>Lobivia formosa</i> var. <i>bertramiana</i> (Backeb.) Rausch wfo-- 0001260645..... | 350 |
| <i>Lobivia euanthema</i> var. <i>tilcarensis</i> Rausch wfo-- 0001260631..... | 23 | <i>Lobivia formosa</i> var. <i>bruchii</i> (Britton & Rose) Rausch wfo-- 0001260647..... | 345 |
| <i>Lobivia eucaliptana</i> Backeb. wfo--0001245597..... | 24 | <i>Lobivia formosa</i> var. <i>grandis</i> (Britton & Rose) Rausch wfo-- -0001260649..... | 345 |
| <i>Lobivia fallax</i> Oehme wfo--0000357971..... | 104 | <i>Lobivia formosa</i> var. <i>hyalacantha</i> (Speg.) Rausch wfo-- 0001260652..... | 348 |
| <i>Lobivia famatimensis</i> var. <i>aurantiaca</i> Backeb. wfo-- 0001431430..... | 325 | <i>Lobivia formosa</i> var. <i>kieslingii</i> (Rausch) Rausch wfo-- 0001431448..... | 347 |
| <i>Lobivia famatimensis</i> var. <i>cinnabarina</i> Backeb. wfo-- 0001431431..... | 325 | <i>Lobivia formosa</i> var. <i>nivalis</i> (Frič) Rausch wfo-- 0001431449..... | 416 |
| <i>Lobivia famatimensis</i> var. <i>citriflora</i> (Wessner) Krainz wfo-- 0001431432..... | 325 | <i>Lobivia formosa</i> var. <i>orurensis</i> (Cárdenas) G.D.Rowley wfo-- -0001431450..... | 350 |
| <i>Lobivia famatimensis</i> var. <i>densispina</i> (Werderm.) Backeb. wfo--0001431433..... | 104 | <i>Lobivia formosa</i> var. <i>pinchasensis</i> Rausch wfo-- 0001431451..... | 416 |
| <i>Lobivia famatimensis</i> var. <i>eburnea</i> (Wessner) Krainz wfo-- 0001431434..... | 326 | <i>Lobivia formosa</i> var. <i>poco</i> (Backeb.) G.D.Rowley wfo-- 0001431452..... | 350 |
| <i>Lobivia famatimensis</i> var. <i>haematantha</i> Backeb. wfo-- 0001431435..... | 105 | <i>Lobivia formosa</i> var. <i>randallii</i> (Cárdenas) Rausch wfo-- 0001260655..... | 347 |
| <i>Lobivia famatimensis</i> var. <i>jachalensis</i> Rausch wfo-- 0001431436..... | 326 | <i>Lobivia formosa</i> var. <i>rosarioana</i> (Rausch) Rausch wfo-- 0001260657..... | 347 |
| <i>Lobivia famatimensis</i> var. <i>leucomalla</i> (Wessner) Backeb. wfo--0001431437..... | 104 | <i>Lobivia formosa</i> var. <i>tarijensis</i> (Vaupel) Rausch wfo-- 0001260658..... | 349 |
| <i>Lobivia famatimensis</i> var. <i>sanjuanensis</i> Rausch wfo-- 0001431438..... | 326 | <i>Lobivia formosa</i> var. <i>totorensis</i> (Cárdenas) Rausch wfo-- 0001431453..... | 350 |
| <i>Lobivia famatimensis</i> var. <i>setosa</i> Backeb. wfo-- 0001431439..... | 105 | <i>Lobivia formosa</i> var. <i>uebelmanniana</i> (Lembcke & Backeb.) Rausch wfo--0001260659..... | 347 |
| <i>Lobivia famatimensis</i> var. <i>subcarnea</i> (Wessner) Krainz wfo-- -0001431440..... | 326 | <i>Lobivia fricii</i> Rausch wfo--0001283974..... | 191 |
| <i>Lobivia famatimensis</i> var. <i>sufflava</i> (Wessner) Krainz wfo-- 0001431441..... | 326 | <i>Lobivia fungiflora</i> B.Braun wfo--0000357949..... | 416 |
| <i>Lobivia famatinensis</i> (Speg.) Britton & Rose wfo-- 0001289291..... | 325 | <i>Lobivia glauca</i> Rausch wfo--0001260691..... | 107 |
| <i>Lobivia ferox</i> Britton & Rose wfo--0001245599..... | 184 | <i>Lobivia glauca</i> var. <i>paucicostata</i> Rausch wfo--0001260695 | 107 |
| <i>Lobivia ferox</i> f. <i>aureoilacina</i> (Cárdenas) J.Ullmann wfo-- 0001260632..... | 184 | <i>Lobivia glaucescens</i> F.Ritter wfo--0001287793..... | 187 |
| <i>Lobivia ferox</i> f. <i>camargensis</i> (F.Ritter) J.Ullmann wfo-- 0001260633..... | 184 | <i>Lobivia gonjianii</i> (R.Kiesling) R.Kiesling wfo--0001039439 | 23 |
| <i>Lobivia ferox</i> f. <i>cerdana</i> (Cárdenas) J.Ullmann wfo-- 0001260634..... | 184 | <i>Lobivia grandiflora</i> Britton & Rose wfo--0000357952.. | 348 |
| <i>Lobivia ferox</i> f. <i>claeysiana</i> (Backeb.) J.Ullmann wfo-- 0001431442..... | 184 | <i>Lobivia grandiflora</i> var. <i>crassicaulis</i> (R.Kiesling) Rausch wfo--0001431454..... | 347 |
| <i>Lobivia ferox</i> f. <i>hastifera</i> (Werderm.) J.Ullmann wfo-- 0001260636..... | 184 | <i>Lobivia grandiflora</i> var. <i>herzogii</i> Rausch wfo--0001431455 | 416 |
| <i>Lobivia ferox</i> f. <i>lecoriensis</i> (Cárdenas) J.Ullmann wfo-- 0001260637..... | 184 | <i>Lobivia grandiflora</i> var. <i>lobivoides</i> (Gräser & F.Ritter) Rausch wfo--0001260661..... | 349 |
| <i>Lobivia ferox</i> f. <i>pictiflora</i> (F.Ritter) J.Ullmann wfo-- 0001260639..... | 185 | <i>Lobivia grandiflora</i> var. <i>longispina</i> Rausch wfo-- 0001431456..... | 416 |
| <i>Lobivia ferox</i> f. <i>variispina</i> (F.Ritter) J.Ullmann wfo-- 0001260640..... | 184 | <i>Lobivia grandiflora</i> var. <i>pumila</i> Rausch wfo--0001431457 | 416 |
| <i>Lobivia ferox</i> f. <i>wilkeae</i> (Backeb.) J.Ullmann wfo-- 0001260643..... | 370 | <i>Lobivia grandis</i> Britton & Rose wfo--0001257591..... | 345 |
| | | <i>Lobivia graulichii</i> Frič wfo--0000357944..... | 181 |

| | | | |
|---|-----|--|-----|
| <i>Lobivia graulichii</i> var. <i>cinnabarina</i> Frič wfo--0001431458 | 191 | <i>Lobivia haematantha</i> subsp. <i>chorrillosensis</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431481 | 106 |
| <i>Lobivia haageana</i> Backeb. wfo--0001245601 | 107 | <i>Lobivia haematantha</i> subsp. <i>chorrillosensis</i> (Rausch) Rausch wfo--0001431480 | 106 |
| <i>Lobivia haageana</i> f. <i>albihepatica</i> (Backeb.) Krainz wfo-- 0001431459..... | 416 | <i>Lobivia haematantha</i> subsp. <i>densispina</i> (Backeb. & F.M.Knuth) Rausch ex G.D.Rowley wfo--0001431483 | 104 |
| <i>Lobivia haageana</i> f. <i>bicolor</i> (Backeb.) Krainz wfo-- 0001431460..... | 416 | <i>Lobivia haematantha</i> subsp. <i>densispina</i> (Backeb. & F.M.Knuth) Rausch wfo--0001431482 | 104 |
| <i>Lobivia haageana</i> f. <i>chrysantha</i> (Backeb.) Krainz wfo-- 0001431461..... | 416 | <i>Lobivia haematantha</i> subsp. <i>kuehnrchii</i> (Frič) Rausch ex G.D.Rowley wfo--0001431484 | 106 |
| <i>Lobivia haageana</i> f. <i>cinnabarina</i> (Backeb.) Krainz wfo-- 0001431462..... | 416 | <i>Lobivia haematantha</i> subvar. <i>amblayensis</i> (Rausch) Rausch wfo--0001431485 | 106 |
| <i>Lobivia haageana</i> f. <i>croceantha</i> (Backeb.) Krainz wfo-- 0001431463..... | 416 | <i>Lobivia haematantha</i> subvar. <i>chorrillosensis</i> (Rausch) Rausch wfo--0001431486 | 106 |
| <i>Lobivia haageana</i> f. <i>durispina</i> (Backeb.) Krainz wfo-- 0001431464..... | 416 | <i>Lobivia haematantha</i> subvar. <i>elongata</i> (Backeb.) Rausch wfo--0001431487 | 106 |
| <i>Lobivia haageana</i> f. <i>grandiflora-stellata</i> (Backeb.) Krainz wfo--0001431465..... | 416 | <i>Lobivia haematantha</i> subvar. <i>fehseri</i> (Rausch) Rausch wfo--0001431488 | 106 |
| <i>Lobivia haageana</i> f. <i>leucoerythrantha</i> (Backeb.) Krainz wfo--0001431466..... | 403 | <i>Lobivia haematantha</i> subvar. <i>hualfinensis</i> (Rausch) Rausch wfo--0001431489 | 106 |
| <i>Lobivia haageana</i> var. <i>albihepatica</i> Backeb. wfo-- 0001431467..... | 416 | <i>Lobivia haematantha</i> subvar. <i>pectinifera</i> (Wessner) Rausch wfo--0001431490 | 105 |
| <i>Lobivia haageana</i> var. <i>bicolor</i> Backeb. wfo--0001431468 | 416 | <i>Lobivia haematantha</i> subvar. <i>rebutioides</i> (Backeb.) Rausch wfo--0001431491 | 106 |
| <i>Lobivia haageana</i> var. <i>chrysantha</i> Backeb. wfo-- 0001431469..... | 416 | <i>Lobivia haematantha</i> subvar. <i>sublimiflora</i> (Backeb.) Rausch wfo--0001431492 | 105 |
| <i>Lobivia haageana</i> var. <i>cinnabarina</i> Backeb. wfo-- 0001431470..... | 416 | <i>Lobivia haematantha</i> var. <i>amblayensis</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431493 | 106 |
| <i>Lobivia haageana</i> var. <i>croceantha</i> Backeb. wfo-- 0001431471..... | 416 | <i>Lobivia haematantha</i> var. <i>cachensis</i> (Speg.) J.Ullmann wfo- --0001260672..... | 106 |
| <i>Lobivia haageana</i> var. <i>durispina</i> Backeb. wfo-- 0001431472..... | 416 | <i>Lobivia haematantha</i> var. <i>chorrillosensis</i> (Rausch) Rausch wfo--0001260675 | 106 |
| <i>Lobivia haageana</i> var. <i>grandiflora-stellata</i> Backeb. wfo-- 0001431473..... | 416 | <i>Lobivia haematantha</i> var. <i>densispina</i> (Backeb. & F.M.Knuth) Rausch wfo--0001431494 | 104 |
| <i>Lobivia haageana</i> var. <i>leucoerythrantha</i> Backeb. wfo-- 0001431474..... | 403 | <i>Lobivia haematantha</i> var. <i>drijveriana</i> (Backeb.) G.D.Rowley wfo--0001431495 | 106 |
| <i>Lobivia haagei</i> (Frič & Schelle) Wessner wfo--0001246791 | 24 | <i>Lobivia haematantha</i> var. <i>elongata</i> (Backeb.) Rausch ex G.D.Rowley wfo--0001431496 | 106 |
| <i>Lobivia haagei</i> var. <i>canacruzensis</i> (Rausch) Rausch wfo-- 0001260664..... | 25 | <i>Lobivia haematantha</i> var. <i>fehseri</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431497 | 106 |
| <i>Lobivia haagei</i> var. <i>crassa</i> Rausch wfo--0000357946..... | 27 | <i>Lobivia haematantha</i> var. <i>hualfinensis</i> (Rausch) Rausch ex G.D.Rowley wfo--0001431498 | 106 |
| <i>Lobivia haagei</i> var. <i>elegantula</i> Rausch wfo--0001260665 | 27 | <i>Lobivia haematantha</i> var. <i>jasimanensis</i> Rausch wfo-- 0000357956 | 106 |
| <i>Lobivia haagei</i> var. <i>eos</i> (Rausch) Rausch wfo--0001260666 | 23 | <i>Lobivia haematantha</i> var. <i>kuehnrchii</i> (Frič) Rausch wfo-- 0001431499 | 106 |
| <i>Lobivia haagei</i> var. <i>mudanensis</i> (Rausch) Rausch wfo-- 0001260668..... | 25 | <i>Lobivia haematantha</i> var. <i>pectinifera</i> (Wessner) Rausch ex G.D.Rowley wfo--0001431500 | 105 |
| <i>Lobivia haagei</i> var. <i>nazarenoensis</i> (Rausch) Rausch wfo-- 0001260670..... | 26 | <i>Lobivia haematantha</i> var. <i>rebutioides</i> (Backeb.) Rausch wfo--0001260677 | 106 |
| <i>Lobivia haagei</i> var. <i>pallida</i> (Rausch) Rausch wfo-- 0001431475..... | 26 | <i>Lobivia haematantha</i> var. <i>sublimiflora</i> (Backeb.) Rausch ex G.D.Rowley wfo--0001431501 | 105 |
| <i>Lobivia haagei</i> var. <i>pelzliana</i> Rausch wfo--0001260671 .. | 27 | <i>Lobivia haematantha</i> var. <i>viridis</i> Rausch wfo--0001431502 | 106 |
| <i>Lobivia haagei</i> var. <i>violascens</i> (F.Ritter) Rausch wfo-- 0001431476..... | 23 | <i>Lobivia hardeniana</i> Boed. wfo--0001252058..... | 188 |
| <i>Lobivia haematantha</i> (Speg.) Britton & Rose wfo-- 0001257588..... | 106 | <i>Lobivia hastifera</i> Werderm. wfo--0001260635..... | 184 |
| <i>Lobivia haematantha</i> f. <i>pectinifera</i> (Wessner) J.Ullmann wfo--0001431477 | 105 | <i>Lobivia hermanniana</i> Backeb. wfo--0001245602 | 186 |
| <i>Lobivia haematantha</i> f. <i>sublimiflora</i> (Backeb.) J.Ullmann wfo--0001431478..... | 105 | <i>Lobivia hermanniana</i> var. <i>breviflorior</i> Backeb. wfo-- 0001431503 | 416 |
| <i>Lobivia haematantha</i> f. <i>wessneriana</i> (Fritzen) J.Ullmann wfo--0001431479..... | 105 | <i>Lobivia hertrichiana</i> Backeb. wfo--0001287708 | 185 |

| | | | |
|---|-----|---|-----|
| <i>Lobivia hertrichiana</i> f. <i>allegraiana</i> (Backeb.) J.Ullmann wfo--0001431504 | 185 | <i>Lobivia iridescens</i> Backeb. wfo--0001245604 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>binghamiana</i> (Backeb.) J.Ullmann wfo--0001431505 | 185 | <i>Lobivia jajoana</i> f. <i>buiningiana</i> (F.Ritter) J.Ullmann wfo--0001260690 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>divaricata</i> (F.Ritter) J.Ullmann wfo--0001431506 | 182 | <i>Lobivia jajoana</i> f. <i>miniatinigra</i> (F.Ritter) J.Ullmann wfo--0001260694 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>echinata</i> (Rausch) J.Ullmann wfo--0001431507 | 185 | <i>Lobivia jajoana</i> subsp. <i>caspalasensis</i> (Rausch) V.Gapon & Schelkun. wfo--0001431525 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>huilcanota</i> (Rausch & Backeb.) J.Ullmann wfo--0001431508 | 185 | <i>Lobivia jajoana</i> subsp. <i>nidularis</i> (Rausch) V.Gapon & Schelkun. wfo--0001431526 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>incaica</i> (Backeb.) J.Ullmann wfo--0001431509 | 185 | <i>Lobivia jajoana</i> subsp. <i>pungens</i> (Rausch) V.Gapon & Schelkun. wfo--0001431527 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>minuta</i> (F.Ritter) J.Ullmann wfo--0001431510 | 185 | <i>Lobivia jajoana</i> var. <i>aurata</i> Rausch wfo--0001431528 .. | 107 |
| <i>Lobivia hertrichiana</i> f. <i>planiceps</i> (Backeb.) J.Ullmann wfo--0001431511 | 185 | <i>Lobivia jajoana</i> var. <i>caspalasensis</i> Rausch wfo--0001431529 | 107 |
| <i>Lobivia hertrichiana</i> f. <i>prolifera</i> (F.Ritter) J.Ullmann wfo--0001431512 | 185 | <i>Lobivia jajoana</i> var. <i>elegans</i> Rausch wfo--0001431530 .. | 107 |
| <i>Lobivia hertrichiana</i> f. <i>wegneriana</i> (Grunert & Kluegel) J.Ullmann wfo--0001260687 | 416 | <i>Lobivia jajoana</i> var. <i>fleischeriana</i> Backeb. wfo--0001431531 | 107 |
| <i>Lobivia hertrichiana</i> var. <i>laui</i> (Donald) Rausch wfo--0001431513 | 185 | <i>Lobivia jajoana</i> var. <i>glauca</i> (Rausch) J.Ullmann wfo--0001260692 | 107 |
| <i>Lobivia hertrichiana</i> var. <i>simplex</i> (Rausch) Rausch wfo--0001431514 | 185 | <i>Lobivia jajoana</i> var. <i>nidularis</i> Rausch wfo--0001431532 .. | 107 |
| <i>Lobivia higginsiana</i> Backeb. wfo--0001245603 | 188 | <i>Lobivia jajoana</i> var. <i>nigrostoma</i> (Kreuz. & Buining) Backeb. wfo--0001431533 | 107 |
| <i>Lobivia higginsiana</i> var. <i>carnea</i> Y.Itô wfo--0001431515 .. | 416 | <i>Lobivia jajoana</i> var. <i>paucicostata</i> (Rausch) Rausch wfo--0001260696 | 107 |
| <i>Lobivia hoevenii</i> Rausch wfo--0000744166 | 416 | <i>Lobivia jajoana</i> var. <i>pungens</i> Rausch wfo--0001431534 .. | 107 |
| <i>Lobivia hoffmanniana</i> Backeb. wfo--0001284421 | 323 | <i>Lobivia jajoana</i> var. <i>striatipetala</i> Y.Itô wfo--0001431535 | 107 |
| <i>Lobivia horrida</i> F.Ritter wfo--0000358193 | 184 | <i>Lobivia jajoana</i> var. <i>vatteri</i> (Krainz) J.Ullmann wfo--0000358208 | 107 |
| <i>Lobivia horrida</i> var. <i>sanguiniflora</i> F.Ritter wfo--0001434867 | 185 | <i>Lobivia jajoiana</i> Backeb. wfo--0000358209 | 107 |
| <i>Lobivia hossei</i> (Werderm.) Backeb. wfo--0000358187 .. | 414 | <i>Lobivia jajoiana</i> Backeb. wfo--0001289290 | 107 |
| <i>Lobivia hualfinensis</i> Rausch wfo--0000358188 | 106 | <i>Lobivia janseniana</i> Backeb. wfo--0000358197 | 416 |
| <i>Lobivia hualfinensis</i> var. <i>fehseri</i> Rausch wfo--0001431516 | 106 | <i>Lobivia janseniana</i> var. <i>leucacantha</i> Backeb. wfo--0001431536 | 416 |
| <i>Lobivia huascha</i> (F.A.C.Weber) W.T.Marshall wfo--0000358190 | 348 | <i>Lobivia johnsoniana</i> Backeb. wfo--0001245605 | 189 |
| <i>Lobivia huascha</i> var. <i>andalgalensis</i> (F.A.C.Weber ex K.Schum.) Rausch wfo--0001431517 | 348 | <i>Lobivia katagirii</i> var. <i>aureorubriflora</i> Y.Itô wfo--0001431537 | 416 |
| <i>Lobivia huascha</i> var. <i>calliantha</i> (F.Ritter) Rausch wfo--0001431518 | 348 | <i>Lobivia katagirii</i> var. <i>chrysantha</i> Y.Itô wfo--0001431538 | 416 |
| <i>Lobivia huascha</i> var. <i>crassicaulis</i> (Backeb.) Rausch wfo--0001431519 | 347 | <i>Lobivia katagirii</i> var. <i>croceantha</i> Y.Itô wfo--0001431539 | 416 |
| <i>Lobivia huascha</i> var. <i>grandiflora</i> (Britton & Rose) Rausch wfo--0001431520 | 348 | <i>Lobivia katagirii</i> var. <i>salmonia</i> Y.Itô wfo--0001431540 .. | 416 |
| <i>Lobivia huascha</i> var. <i>purpureominiata</i> (F.Ritter) Rausch wfo--0001431521 | 348 | <i>Lobivia katagirii</i> Y.Itô wfo--0000358203 | 416 |
| <i>Lobivia huascha</i> var. <i>robusta</i> Rausch wfo--0000358191 .. | 348 | <i>Lobivia kieslingii</i> Rausch wfo--0001260653 | 347 |
| <i>Lobivia huascha</i> var. <i>rubriflora</i> (F.A.C.Weber) G.D.Rowley wfo--0001431522 | 348 | <i>Lobivia klimpeliana</i> (Weidlich & Werderm.) A.Berger wfo--0000358195 | 4 |
| <i>Lobivia huascha</i> var. <i>walteri</i> (R.Kiesling) Rausch wfo--0001260689 | 351 | <i>Lobivia klusacekii</i> Frič wfo--0000358198 | 104 |
| <i>Lobivia huilcanota</i> Rauh & Backeb. wfo--0001287718 .. | 185 | <i>Lobivia knuthiana</i> (Backeb.) H.P.Kelsey & Dayton wfo--0000367506 | 369 |
| <i>Lobivia hyalacantha</i> Speg. wfo--0001288601 | 348 | <i>Lobivia korethroides</i> (Werderm.) Werderm. wfo--0000358199 | 347 |
| <i>Lobivia hystrichacantha</i> Y.Itô wfo--0000358204 | 416 | <i>Lobivia krahn-juckeri</i> Diers wfo--0001034970 | 185 |
| <i>Lobivia hystrix</i> F.Ritter wfo--0001260621 | 183 | <i>Lobivia krahn-juckeri</i> subsp. <i>echinopsoides</i> Diers & Jucker wfo--0001431541 | 185 |
| <i>Lobivia ikedae</i> var. <i>cinnabarina</i> Y.Itô wfo--0001431523 .. | 416 | <i>Lobivia krahn-juckeri</i> subsp. <i>krahn-juckeri</i> wfo--0001434868 | 185 |
| <i>Lobivia ikedae</i> var. <i>erythrantha</i> Y.Itô wfo--0001431524 .. | 416 | <i>Lobivia kreuzingeri</i> (Frič ex Buining) Krainz wfo--0000358201 | 105 |
| <i>Lobivia ikedae</i> Y.Itô wfo--0000358205 | 416 | <i>Lobivia kuehhasii</i> Rausch wfo--0000744167 | 416 |
| <i>Lobivia incaica</i> Backeb. wfo--0001287715 | 185 | <i>Lobivia kuehnrighii</i> Frič wfo--0000358202 | 106 |
| <i>Lobivia incuiensis</i> Rauh & Backeb. wfo--0001287719 .. | 190 | <i>Lobivia kuehnrighii</i> var. <i>antennifera</i> Rausch wfo--0001431542 | 106 |
| <i>Lobivia intermedia</i> Rausch wfo--0001289142 | 186 | | |

| | | | | |
|--|------------------------------------|---|--------------------------------|-----|
| <i>Lobivia kupperiana</i> Backeb. wfo--0001245606 | 185 | <i>Lobivia maximiliana</i> var. <i>caespitosa</i> (J.A.Purpus) Rausch | wfo--0001431560 | 186 |
| <i>Lobivia kupperiana</i> var. <i>rubriflora</i> Backeb. wfo-- | | <i>Lobivia maximiliana</i> var. <i>charazanensis</i> (Cárdenas) Rausch | wfo--0001431561 | 186 |
| 0001260698..... | 416 | <i>Lobivia maximiliana</i> var. <i>corbula</i> (Herrera) Rausch wfo-- | 0001287932 | 186 |
| <i>Lobivia laeae</i> Cárdenas wfo--0001252059..... | 189 | <i>Lobivia maximiliana</i> var. <i>durispina</i> Rausch wfo-- | 0001431562 | 186 |
| <i>Lobivia lateritia</i> (Gürke) Britton & Rose wfo--0001245607 | | <i>Lobivia maximiliana</i> var. <i>hermanniana</i> (Backeb.) Rausch | wfo--0001431563 | 186 |
| ..... | 185 | <i>Lobivia maximiliana</i> var. <i>intermedia</i> (Rausch) Rausch wfo-- | -0001287936 | 186 |
| <i>Lobivia lateritia</i> subsp. <i>lateritia</i> wfo--0001434869 | 185 | <i>Lobivia maximiliana</i> var. <i>lauramarca</i> (Rauh & Backeb.) | J.Ullmann wfo--0001431564..... | 189 |
| <i>Lobivia lateritia</i> var. <i>camataquiensis</i> (Cárdenas) J.Ullmann | wfo--0001431543..... | <i>Lobivia maximiliana</i> var. <i>leptacantha</i> (Rausch) Rausch wfo-- | -0001431565..... | 190 |
| ..... | 185 | <i>Lobivia maximiliana</i> var. <i>miniatiflora</i> (F.Ritter) Rausch wfo-- | -0001283895..... | 186 |
| <i>Lobivia lateritia</i> var. <i>cintiensis</i> (Cárdenas) J.Ullmann wfo-- | 0001431544..... | <i>Lobivia maximiliana</i> var. <i>quiabayensis</i> (Rausch) Rausch | wfo--0001431566 | 190 |
| ..... | 185 | <i>Lobivia maximiliana</i> var. <i>sicuanensis</i> (Rausch) Rausch wfo-- | -0001260704..... | 186 |
| <i>Lobivia lateritia</i> var. <i>citriflora</i> Rausch wfo--0001431545 | | <i>Lobivia maximiliana</i> var. <i>violacea</i> (Rausch) Rausch wfo-- | 0001260705 | 186 |
| ..... | 185 | <i>Lobivia maximiliana</i> var. <i>westii</i> (Hutchison) Rausch wfo-- | 0001287931 | 186 |
| <i>Lobivia lateritia</i> var. <i>cotagaitensis</i> Rausch wfo-- | 0001431546..... | <i>Lobivia megatae</i> Y.Itô wfo--0000358186..... | | 416 |
| ..... | 185 | <i>Lobivia miniatiflora</i> F.Ritter wfo--0001283894..... | | 186 |
| <i>Lobivia lateritia</i> var. <i>kupperiana</i> (Backeb.) Rausch wfo-- | 0001284525..... | <i>Lobivia miniatinigra</i> F.Ritter wfo--0001260693..... | | 107 |
| ..... | 185 | <i>Lobivia minuscula</i> (K.Schum.) H.P.Kelsey & Dayton wfo-- | 0000367508 | 321 |
| <i>Lobivia lateritia</i> var. <i>rubriflora</i> (Backeb.) Rausch wfo-- | 0001260699..... | <i>Lobivia minuta</i> F.Ritter wfo--0001287803 | | 185 |
| ..... | 416 | <i>Lobivia minutiflora</i> (Rausch) Schlumpb. & M.Lowry wfo-- | 0001431567 | 186 |
| <i>Lobivia lateritia</i> var. <i>sanguiniflora</i> (F.Ritter) Rausch wfo-- | 0001431547..... | <i>Lobivia mirabunda</i> Backeb. wfo--0000358178 | | 106 |
| ..... | 185 | <i>Lobivia mistiensis</i> (Werderm. & Backeb.) Backeb. wfo-- | 0001287709 | 187 |
| <i>Lobivia laui</i> Donald wfo--0000367501 | 185 | <i>Lobivia mizquensis</i> Rausch wfo--0001246793 | | 187 |
| <i>Lobivia lauramarca</i> Rauh & Backeb. wfo--0001287717 | 189 | <i>Lobivia muhriae</i> Backeb. wfo--0001260701 | | 107 |
| <i>Lobivia leptacantha</i> Rausch wfo--0001287795 | 190 | <i>Lobivia muhriae</i> var. <i>flaviflora</i> Backeb. wfo--0001431568 | ..... | 416 |
| <i>Lobivia leucomalla</i> var. <i>rubispina</i> Wessner wfo-- | 0001431548..... | <i>Lobivia multicostata</i> Backeb. wfo--0000358180..... | | 189 |
| ..... | 416 | <i>Lobivia napina</i> Pazout wfo--0000358184 | | 417 |
| <i>Lobivia leucomalla</i> Wessner wfo--0000358177 | 104 | <i>Lobivia nealeana</i> Backeb. wfo--0000358181 | | 43 |
| <i>Lobivia leucorhodon</i> Backeb. wfo--0001245608 | 189 | <i>Lobivia nealeana</i> var. <i>grandiflora</i> Y.Itô wfo--0001431569 | ..... | 417 |
| <i>Lobivia leucoviolacea</i> Backeb. wfo--0001245609..... | 189 | <i>Lobivia nealeana</i> var. <i>purpureiflora</i> Y.Itô wfo-- | 0001431570 | 417 |
| <i>Lobivia longiseta</i> (Backeb.) H.P.Kelsey & Dayton wfo-- | 0000367509..... | <i>Lobivia neocinnabarina</i> Backeb. wfo--0001260457..... | | 190 |
| ..... | 22 | <i>Lobivia neohaageana</i> Backeb. wfo--0001245610..... | | 24 |
| <i>Lobivia longispina</i> Britton & Rose wfo--0001289522.... | 184 | <i>Lobivia neohaageana</i> var. <i>flavovirens</i> Backeb. wfo-- | 0001431571..... | 24 |
| <i>Lobivia mamillosa</i> (Gürke) Schlumpb. wfo--0001431549 | | <i>Lobivia nigricans</i> var. <i>albispina</i> Rausch wfo--0001260706 | ..... | 27 |
| ..... | 185 | <i>Lobivia nigricans</i> var. <i>carmeniana</i> (Rausch) Rausch wfo-- | 0001260708 | 26 |
| <i>Lobivia markusii</i> Rausch wfo--0001283916..... | 183 | <i>Lobivia nigricans</i> var. <i>peterseimii</i> (Frič ex Kreuz.) Rausch | wfo--0001260711 | 24 |
| <i>Lobivia marsoneri</i> (Werderm.) Backeb. wfo--0000358175 | | <i>Lobivia nigricans</i> Wessner wfo--0001252395 | | 25 |
| ..... | 107 | <i>Lobivia nigrispina</i> Backeb. wfo--0000358183 | | 24 |
| <i>Lobivia marsoneri</i> var. <i>haageana</i> (Backeb.) J.Ullmann wfo-- | -0001431550 | <i>Lobivia nigrispina</i> var. <i>rubriflora</i> Backeb. wfo-- | 0001431572 | 417 |
| ..... | 107 | | | |
| <i>Lobivia marsoneri</i> var. <i>iridescens</i> (Backeb.) Rausch wfo-- | 0001260700..... | | | |
| ..... | 107 | | | |
| <i>Lobivia marsoneri</i> var. <i>muhriae</i> (Backeb.) J.Ullmann wfo-- | 0001431551..... | | | |
| ..... | 107 | | | |
| <i>Lobivia marsoneri</i> var. <i>rubescens</i> (Backeb.) J.Ullmann wfo-- | -0001431552 | | | |
| ..... | 107 | | | |
| <i>Lobivia marsoneri</i> var. <i>uitewaaleana</i> (Buining) J.Ullmann | wfo--0001431553..... | | | |
| ..... | 107 | | | |
| <i>Lobivia matuzawae</i> Y.Itô wfo--0000358172..... | 416 | | | |
| <i>Lobivia maximiliana</i> (Heyder ex A.Dietr.) Backeb. ex | Rausch wfo--0001283941..... | | | |
| ..... | 186 | | | |
| <i>Lobivia maximiliana</i> f. <i>cariquinensis</i> (Cárdenas) J.Ullmann | wfo--0001431554..... | | | |
| ..... | 186 | | | |
| <i>Lobivia maximiliana</i> f. <i>pseudocariquinensis</i> (Cárdenas) | J.Ullmann wfo--0001431555 | | | |
| ..... | 186 | | | |
| <i>Lobivia maximiliana</i> subsp. <i>caespitosa</i> (J.A.Purpus) Rausch | ex G.D.Rowley wfo--0001431556..... | | | |
| ..... | 186 | | | |
| <i>Lobivia maximiliana</i> subsp. <i>maximiliana</i> wfo-- | 0001431557..... | | | |
| ..... | 186 | | | |
| <i>Lobivia maximiliana</i> subsp. <i>quiabayensis</i> (Rausch) Rausch | wfo--0001431558..... | | | |
| ..... | 190 | | | |
| <i>Lobivia maximiliana</i> subsp. <i>westii</i> (Hutchison) Rausch ex | G.D.Rowley wfo--0001431559 | | | |
| ..... | 186 | | | |

| | |
|--|----------|
| <i>Lobivia nigrostoma</i> Kreuz. & Buining wfo--0000358213107 | |
| <i>Lobivia obrepanda</i> (Salm-Dyck) Schlumpb. wfo--0001431573 | 186 |
| <i>Lobivia oligotricha</i> Cárdenas wfo--0001283967 | 190 |
| <i>Lobivia omasuyana</i> Cárdenas wfo--0001260717 | 189 |
| <i>Lobivia oreopepon</i> Speg. wfo--0000358227 | 347 |
| <i>Lobivia oreopogon</i> (Speg.) Werderm. wfo--0000358228 | 347 |
| <i>Lobivia orurensis</i> Backeb. wfo--0001245611 | 24 |
| <i>Lobivia otukae</i> var. <i>cinnabarina</i> Y.Itô wfo--0001431574 | 417 |
| <i>Lobivia otukae</i> var. <i>croceantha</i> Y.Itô wfo--0001431575 | 417 |
| <i>Lobivia otukae</i> Y.Itô wfo--0000358229 | 417 |
| <i>Lobivia oxyalabastra</i> Cárdenas & Rausch wfo--0001283879 | 182 |
| <i>Lobivia pachyacantha</i> Y.Itô wfo--0000358233 | 184 |
| <i>Lobivia pampana</i> Britton & Rose wfo--0001287449 | 187 |
| <i>Lobivia pampana</i> var. <i>borealis</i> Rausch wfo--0001260712 | 189 |
| <i>Lobivia pamparuizii</i> (Cárdenas) Schlumpb. wfo--0001431576 | 187 |
| <i>Lobivia peclardiana</i> Krainz wfo--0001283975 | 191 |
| <i>Lobivia peclardiana</i> var. <i>albiflora</i> Krainz wfo--0001431577 | 191 |
| <i>Lobivia peclardiana</i> var. <i>winterae</i> Krainz wfo--0001431578 | 191 |
| <i>Lobivia pectinata</i> Backeb. wfo--0001245612 | 25 |
| <i>Lobivia pectinifera</i> var. <i>albiflora</i> Wessner wfo--0001431579 | 105 |
| <i>Lobivia pectinifera</i> var. <i>aurantiaca</i> Wessner wfo--0001431580 | 325 |
| <i>Lobivia pectinifera</i> var. <i>cinnabarina</i> Backeb. ex Wessner wfo--0001431581 | 325 |
| <i>Lobivia pectinifera</i> var. <i>citriflora</i> Wessner wfo--0001431582 | 325 |
| <i>Lobivia pectinifera</i> var. <i>eburnea</i> Wessner wfo--0001431583 | 326 |
| <i>Lobivia pectinifera</i> var. <i>haematantha</i> (Backeb.) Wessner wfo--0001431584 | 105 |
| <i>Lobivia pectinifera</i> var. <i>rosiflora</i> Backeb. ex Wessner wfo--0001431585 | 105 |
| <i>Lobivia pectinifera</i> var. <i>subcarnea</i> Wessner wfo--0001431586 | 326 |
| <i>Lobivia pectinifera</i> var. <i>sufflava</i> Wessner wfo--0001431587 | 326 |
| <i>Lobivia pectinifera</i> Wessner wfo--0001260676 | 105 |
| <i>Lobivia pentlandii</i> (Hook.) Britton & Rose wfo--0001287710 | 181, 187 |
| <i>Lobivia pentlandii</i> f. <i>aculeata</i> (Buining) J.Ullmann wfo--0001431588 | 189 |
| <i>Lobivia pentlandii</i> f. <i>argentea</i> (Backeb.) J.Ullmann wfo--0001431589 | 189 |
| <i>Lobivia pentlandii</i> f. <i>aurantiaca</i> (Backeb.) J.Ullmann wfo--0001260715 | 189 |
| <i>Lobivia pentlandii</i> f. <i>boliviensis</i> (Britton & Rose) J.Ullmann wfo--0001431590 | 188 |
| <i>Lobivia pentlandii</i> f. <i>bruneorosea</i> (Backeb.) J.Ullmann wfo--0001431591 | 189 |
| <i>Lobivia pentlandii</i> f. <i>carminantha</i> (Backeb.) J.Ullmann wfo--0001431592 | 189 |
| <i>Lobivia pentlandii</i> f. <i>hardeniana</i> (Boed.) J.Ullmann wfo--0001260716 | 188 |
| <i>Lobivia pentlandii</i> f. <i>higginsiana</i> (Backeb.) J.Ullmann wfo--0001431593 | 188 |
| <i>Lobivia pentlandii</i> f. <i>johnsoniana</i> (Backeb.) J.Ullmann wfo--0001431594 | 189 |
| <i>Lobivia pentlandii</i> f. <i>leucorhodon</i> (Backeb.) J.Ullmann wfo--0001431595 | 189 |
| <i>Lobivia pentlandii</i> f. <i>leucoviolacea</i> (Backeb.) J.Ullmann wfo--0001431596 | 189 |
| <i>Lobivia pentlandii</i> f. <i>omasuyana</i> (Cárdenas) J.Ullmann wfo--0001431597 | 189 |
| <i>Lobivia pentlandii</i> f. <i>raphidacantha</i> (Backeb.) J.Ullmann wfo--0001431598 | 189 |
| <i>Lobivia pentlandii</i> f. <i>schneideriana</i> (Backeb.) J.Ullmann wfo--0001431599 | 190 |
| <i>Lobivia pentlandii</i> f. <i>titicacensis</i> (Cárdenas) J.Ullmann wfo--0001260720 | 189 |
| <i>Lobivia pentlandii</i> f. <i>varians</i> (Backeb.) J.Ullmann wfo--0001431600 | 189 |
| <i>Lobivia pentlandii</i> f. <i>wegheiana</i> (Backeb.) J.Ullmann wfo--0001431601 | 188 |
| <i>Lobivia pentlandii</i> var. <i>forbesii</i> (A.Dietr.) Y.Itô ex Backeb. wfo--0001431602 | 3 |
| <i>Lobivia pentlandii</i> var. <i>hardeniana</i> (Boed.) Rausch wfo--0001431603 | 188 |
| <i>Lobivia pentlandii</i> var. <i>larae</i> (Cárdenas) Rausch wfo--0001258774 | 189 |
| <i>Lobivia pentlandii</i> var. <i>longispina</i> (Rümpler) Backeb. wfo--0001431604 | 417 |
| <i>Lobivia pentlandii</i> var. <i>maximiliana</i> (Heyder ex A.Dietr.) Backeb. wfo--0001287711 | 186 |
| <i>Lobivia pictiflora</i> F.Ritter wfo--0001431605 | 184 |
| <i>Lobivia pictiflora</i> F.Ritter wfo--0001260638 | 185 |
| <i>Lobivia planiceps</i> Backeb. wfo--0001287716 | 185 |
| <i>Lobivia pojoensis</i> Rausch wfo--0001260619 | 187 |
| <i>Lobivia pojoensis</i> var. <i>grandiflora</i> Rausch wfo--0001260618 | 183 |
| <i>Lobivia polaskiana</i> Backeb. wfo--0000358239 | 104 |
| <i>Lobivia polaskiana</i> Backeb. wfo--0000358240 | 104 |
| <i>Lobivia polyantha</i> Y.Itô wfo--0000358241 | 417 |
| <i>Lobivia polycephala</i> Backeb. wfo--0001260743 | 417 |
| <i>Lobivia polypetala</i> Rausch wfo--0001260737 | 423 |
| <i>Lobivia potosina</i> (Werderm.) H.Friedrich wfo--0000358243 | 184 |
| <i>Lobivia prestoana</i> Cárdenas wfo--0001260624 | 184 |
| <i>Lobivia prestoana</i> var. <i>draxleriana</i> (Rausch) Šída wfo--0001260722 | 184 |
| <i>Lobivia pseudocachensis</i> Backeb. wfo--0001260740 | 43 |
| <i>Lobivia pseudocachensis</i> var. <i>cinnabarina</i> Backeb. wfo--0001431606 | 417 |
| <i>Lobivia pseudocachensis</i> var. <i>sanguinea</i> Backeb. wfo--0001431607 | 417 |
| <i>Lobivia pseudocariquinensis</i> Cárdenas wfo--0001288182 | 186 |
| <i>Lobivia pseudocinnabarina</i> Backeb. wfo--0001260458 | 190 |
| <i>Lobivia pugionacantha</i> (Rose & Boed.) Backeb. wfo--0001245613 | 189 |
| <i>Lobivia pugionacantha</i> subsp. <i>haemantha</i> (Rausch) Guiggi wfo--0001431608 | 190 |
| <i>Lobivia pugionacantha</i> subsp. <i>pugionacantha</i> wfo--0001434870 | 190 |
| <i>Lobivia pugionacantha</i> subsp. <i>rossii</i> (Boed.) Guiggi wfo--0001431609 | 190 |

| | | | |
|--|---------|---|-----|
| <i>Lobivia pugionacantha</i> var. <i>adpressispina</i> (F.Ritter) J.Ullmann wfo--0001431610 | 189 | <i>Lobivia rebutioides</i> var. <i>kraussiana</i> Backeb. wfo-- 0001431629 | 105 |
| <i>Lobivia pugionacantha</i> var. <i>alberi</i> Diers & Krahn wfo-- 0001431611 | 417 | <i>Lobivia rebutioides</i> var. <i>sublimiflora</i> (Backeb. ex Wessner) Backeb. wfo--0001431630 | 105 |
| <i>Lobivia pugionacantha</i> var. <i>boedekeriana</i> (Harden) J.Ullmann wfo--0001431612 | 189 | <i>Lobivia rigidispina</i> Backeb. wfo--0000358219 | 417 |
| <i>Lobivia pugionacantha</i> var. <i>campicola</i> (F.Ritter) J.Ullmann wfo--0001431613 | 189 | <i>Lobivia ritteri</i> Wessner wfo--0001245616 | 323 |
| <i>Lobivia pugionacantha</i> var. <i>cornuta</i> (Rausch) Rausch wfo-- 0001431614 | 189 | <i>Lobivia rojasii</i> (Cárdenas) Schlumpb. wfo--0001431631 | 187 |
| <i>Lobivia pugionacantha</i> var. <i>corrugata</i> Rausch wfo-- 0001260732 | 189 | <i>Lobivia rosarioana</i> Rausch wfo--0001260656 | 347 |
| <i>Lobivia pugionacantha</i> var. <i>culpinensis</i> (F.Ritter) Rausch wfo--0001431615 | 189 | <i>Lobivia rosarioana</i> var. <i>rubriflora</i> Rausch wfo-- 0001431632 | 417 |
| <i>Lobivia pugionacantha</i> var. <i>flaviflora</i> Backeb. wfo-- 0001431616 | 417 | <i>Lobivia rossii</i> (Boed.) Boed. wfo--0001245617 | 190 |
| <i>Lobivia pugionacantha</i> var. <i>haemantha</i> Rausch wfo-- 0000358235 | 190 | <i>Lobivia rossii</i> var. <i>boedekeriana</i> (Harden) Backeb. wfo-- 0001431633 | 189 |
| <i>Lobivia pugionacantha</i> var. <i>rossii</i> (Boed.) Rausch wfo-- 0001431617 | 190 | <i>Lobivia rossii</i> var. <i>bustilloensis</i> F.Ritter wfo--0001431634 | 189 |
| <i>Lobivia pugionacantha</i> var. <i>salitrensis</i> (Rausch) Rausch wfo--0001431618 | 189 | <i>Lobivia rossii</i> var. <i>carminata</i> Backeb. wfo--0001431635 | 417 |
| <i>Lobivia pugionacantha</i> var. <i>stollenwerkiana</i> (Boed.) J.Ullmann wfo--0001431619 | 189 | <i>Lobivia rossii</i> var. <i>hardeniana</i> (Boed.) Backeb. wfo-- 0001431636 | 188 |
| <i>Lobivia pugionacantha</i> var. <i>versicolor</i> (Rausch) Rausch wfo--0001431620 | 189 | <i>Lobivia rossii</i> var. <i>salmonea</i> Backeb. wfo--0001431637 | 417 |
| <i>Lobivia purpurea</i> (Frič) Y.Itô wfo--0000358234 | 417 | <i>Lobivia rossii</i> var. <i>sanguinea</i> Backeb. wfo--0001431638 | 417 |
| <i>Lobivia purpureominiata</i> F.Ritter wfo--0000358237 | 348 | <i>Lobivia rossii</i> var. <i>sayariensis</i> F.Ritter wfo--0001431639 | 189 |
| <i>Lobivia pusilla</i> f. <i>flaviflora</i> F.Ritter wfo--0001431621 | 191 | <i>Lobivia rossii</i> var. <i>stollenwerkiana</i> (Boed.) Backeb. wfo-- 0001431640 | 189 |
| <i>Lobivia pusilla</i> F.Ritter wfo--0001283976 | 191 | <i>Lobivia rossii</i> var. <i>walterspielii</i> (Boed.) Backeb. wfo-- 0001431641 | 184 |
| <i>Lobivia pygmaea</i> (R.E.Fr.) Backeb. wfo--0001289292 | 24 | <i>Lobivia rowleyi</i> var. <i>longispina</i> Y.Itô wfo--0001431642 | 417 |
| <i>Lobivia pygmaea</i> var. <i>colorea</i> (F.Ritter) Rausch wfo-- 0001431622 | 26 | <i>Lobivia rowleyi</i> var. <i>rubraurantiaca</i> Y.Itô wfo-- 0001431643 | 417 |
| <i>Lobivia pygmaea</i> var. <i>diersiana</i> (Rausch) Rausch wfo-- 0001431623 | 25 | <i>Lobivia rowleyi</i> Y.Itô wfo--0000358218 | 417 |
| <i>Lobivia pygmaea</i> var. <i>friedrichiana</i> (Rausch) Rausch wfo-- 0001431624 | 25 | <i>Lobivia ruberrima</i> (Frič) Y.Itô wfo--0000358211 | 417 |
| <i>Lobivia pygmaea</i> var. <i>iscayachensis</i> (Rausch) Rausch wfo-- 0001431625 | 26 | <i>Lobivia rubescens</i> Backeb. wfo--0001260702 | 107 |
| <i>Lobivia pygmaea</i> var. <i>knizei</i> Rausch wfo--0000358225 | 27 | <i>Lobivia salitrensis</i> Rausch wfo--0001246795 | 189 |
| <i>Lobivia pygmaea</i> var. <i>minor</i> Rausch wfo--0001260736 | 27 | <i>Lobivia salitrensis</i> var. <i>flexuosa</i> Rausch wfo--0001431644 | 190 |
| <i>Lobivia pygmaea</i> var. <i>nigrescens</i> Rausch wfo-- 0001431626 | 27 | <i>Lobivia saltensis</i> (Speg.) Britton & Rose wfo--0001257587 | 43 |
| <i>Lobivia pygmaea</i> var. <i>polypetala</i> Rausch wfo-- 0000358215 | 27, 423 | <i>Lobivia saltensis</i> f. <i>emmae</i> (Backeb.) J.Ullmann wfo-- 0001431645 | 43 |
| <i>Lobivia pygmaea</i> var. <i>tafnaensis</i> Rausch wfo--0000358216 | 27 | <i>Lobivia saltensis</i> var. <i>emmae</i> (Backeb.) G.D.Rowley wfo-- 0001431646 | 43 |
| <i>Lobivia pygmaea</i> var. <i>violaceostaminata</i> Rausch wfo-- 0000358217 | 27 | <i>Lobivia saltensis</i> var. <i>multicostata</i> Rausch wfo-- 0001431647 | 417 |
| <i>Lobivia pygmaea</i> var. <i>friedrichiana</i> (Rausch) Rausch wfo-- 0001260735 | 25 | <i>Lobivia saltensis</i> var. <i>multicostata</i> Rausch wfo-- 0001431648 | 417 |
| <i>Lobivia quiabayensis</i> Rausch wfo--0001260803 | 190 | <i>Lobivia saltensis</i> var. <i>nealeana</i> (Backeb.) Rausch wfo-- 0001431649 | 43 |
| <i>Lobivia raphidacantha</i> (Backeb.) J.Ullmann wfo-- 0001260718 | 189 | <i>Lobivia saltensis</i> var. <i>pseudocachensis</i> (Backeb.) Rausch wfo--0001260741 | 43 |
| <i>Lobivia raphidacantha</i> Backeb. wfo--0001245614 | 189 | <i>Lobivia saltensis</i> var. <i>schreiteri</i> (A.Cast.) Rausch wfo-- 0001431650 | 43 |
| <i>Lobivia rauschii</i> Zecher wfo--0001289761 | 190 | <i>Lobivia saltensis</i> var. <i>stilowiana</i> (Backeb.) Rausch wfo-- 0001431651 | 44 |
| <i>Lobivia rebutioides</i> Backeb. wfo--0001245615 | 106 | <i>Lobivia saltensis</i> var. <i>zapallarensis</i> Rausch wfo-- 0001260742 | 43 |
| <i>Lobivia rebutioides</i> var. <i>chlorogona</i> (Wessner) Backeb. wfo--0001431627 | 105 | <i>Lobivia sanguiniflora</i> Backeb. wfo--0001289759 | 107 |
| <i>Lobivia rebutioides</i> var. <i>citriniflora</i> Backeb. wfo-- 0001431628 | 105 | <i>Lobivia sanguiniflora</i> var. <i>breviflora</i> (Backeb.) Rausch wfo-- -0001431652 | 104 |
| | | <i>Lobivia sanguiniflora</i> var. <i>duursmaiana</i> (Backeb.) Rausch wfo--0001431653 | 416 |

| | | | |
|---|-----|--|-----|
| <i>Lobivia sanguiniflora</i> var. <i>polycephala</i> (Backeb.) J.Ullmann wfo--0001431654 | 417 | <i>Lobivia steinmannii</i> var. <i>applanata</i> Rausch wfo-- 0000358107 | 27 |
| <i>Lobivia sanguiniflora</i> var. <i>pseudolateritia</i> Backeb. wfo-- 0001431655 | 417 | <i>Lobivia steinmannii</i> var. <i>brachyantha</i> (Wessner) Rausch wfo--0001260812 | 25 |
| <i>Lobivia scheeri</i> (Salm-Dyck) Rausch wfo--0001260744 .. | 187 | <i>Lobivia steinmannii</i> var. <i>camargoensis</i> (Rausch) Rausch wfo--0001260813 | 25 |
| <i>Lobivia scheeri</i> var. <i>borealis</i> (Rausch) Rausch wfo-- 0001260745 | 189 | <i>Lobivia steinmannii</i> var. <i>christinae</i> (Rausch) Rausch wfo-- 0001260815 | 25 |
| <i>Lobivia schieliana</i> Backeb. wfo--0001289198 | 190 | <i>Lobivia steinmannii</i> var. <i>cinninata</i> (Rausch) Rausch wfo-- 0001260816 | 25 |
| <i>Lobivia schieliana</i> var. <i>leptacantha</i> (Rausch) Rausch wfo-- 0001260804 | 190 | <i>Lobivia steinmannii</i> var. <i>costata</i> (Werderm.) Rausch wfo-- 0001431669 | 24 |
| <i>Lobivia schieliana</i> var. <i>quiabayensis</i> (Rausch) Rausch wfo-- 0001431656 | 190 | <i>Lobivia steinmannii</i> var. <i>leucacantha</i> Rausch wfo-- 0000358104 | 27 |
| <i>Lobivia schmiedcheniana</i> U.Köhler wfo--0000358222 | 22 | <i>Lobivia steinmannii</i> var. <i>major</i> Rausch wfo--0000358105 | 27 |
| <i>Lobivia schneideriana</i> Backeb. wfo--0001245618 | 190 | <i>Lobivia steinmannii</i> var. <i>melanocentra</i> Rausch wfo-- 0000358111 | 27 |
| <i>Lobivia schneideriana</i> var. <i>carnea</i> Backeb. wfo-- 0001431657 | 417 | <i>Lobivia steinmannii</i> var. <i>parvula</i> Rausch wfo--0000358106 | 27 |
| <i>Lobivia schneideriana</i> var. <i>cuprea</i> Backeb. wfo-- 0001431658 | 417 | <i>Lobivia steinmannii</i> var. <i>rauschii</i> (Zecher) Rausch wfo-- 0001260817 | 26 |
| <i>Lobivia schreiteri</i> A.Cast. wfo--0001255794 | 43 | <i>Lobivia steinmannii</i> var. <i>tuberculata</i> Rausch wfo-- 0000358108 | 27 |
| <i>Lobivia schreiteri</i> var. <i>riolarensis</i> Rausch wfo--0001431659 | 43 | <i>Lobivia stilowiana</i> Backeb. wfo--0001260805 | 44 |
| <i>Lobivia schreiteri</i> var. <i>stilowiana</i> (Backeb.) Rausch wfo-- 0001260806 | 44 | <i>Lobivia stollenwerkiana</i> Boed. wfo--0001260734 | 189 |
| <i>Lobivia scoparia</i> (Werderm.) Werderm. ex Backeb. & F.M.Knuth wfo--0001260679 | 104 | <i>Lobivia subdenudata</i> (Cárdenas) Schlumpb. wfo-- 0001431670 | 190 |
| <i>Lobivia scopulina</i> Backeb. wfo--0001283919 | 185 | <i>Lobivia sublimiflora</i> Backeb. wfo--0000358109 | 105 |
| <i>Lobivia senilis</i> (Backeb.) H.P.Kelsey & Dayton wfo-- 0000367457 | 321 | <i>Lobivia tafnaensis</i> Rausch wfo--0001260738 | 417 |
| <i>Lobivia shaferi</i> Britton & Rose wfo--0001289293 | 104 | <i>Lobivia taratensis</i> Cárdenas wfo--0001260459 | 190 |
| <i>Lobivia shaferi</i> f. <i>cylindracea</i> (Backeb.) E.Herzog wfo-- 0001431660 | 104 | <i>Lobivia taratensis</i> var. <i>leucosiphus</i> Cárdenas wfo-- 0001283969 | 190 |
| <i>Lobivia shaferi</i> f. <i>luteiflora</i> (Backeb.) E.Herzog wfo-- 0001431661 | 103 | <i>Lobivia tegeleriana</i> Backeb. wfo--0001287788 | 190 |
| <i>Lobivia shaferi</i> subsp. <i>aurea</i> (Britton & Rose) E.Herzog wfo-- --0001431662 | 103 | <i>Lobivia tegeleriana</i> var. <i>akersii</i> (Rausch) Rausch wfo-- 0001287928 | 191 |
| <i>Lobivia shaferi</i> subsp. <i>fallax</i> (Oehme) E.Herzog wfo-- 0001431663 | 104 | <i>Lobivia tegeleriana</i> var. <i>incuiensis</i> (Rauh & Backeb.) Rausch wfo--0001287933 | 190 |
| <i>Lobivia shaferi</i> subsp. <i>leucomalla</i> (Wessner) E.Herzog wfo-- -0001431664 | 104 | <i>Lobivia tegeleriana</i> var. <i>puquiensis</i> F.Ritter wfo-- 0001287789 | 191 |
| <i>Lobivia shaferi</i> subsp. <i>rubriflora</i> E.Herzog wfo-- 0001431665 | 417 | <i>Lobivia tenuispina</i> F.Ritter wfo--0001283613 | 183 |
| <i>Lobivia shaferi</i> var. <i>albiflora</i> (Rausch) E.Herzog wfo-- 0001431666 | 103 | <i>Lobivia thionantha</i> (Speg.) Britton & Rose wfo-- 0000358119 | 4 |
| <i>Lobivia shaferi</i> var. <i>flaviflora</i> (Speg.) E.Herzog wfo-- 0001431667 | 348 | <i>Lobivia thionantha</i> var. <i>aurantiaca</i> (Rausch) Rausch wfo-- 0001260818 | 4 |
| <i>Lobivia shaferi</i> var. <i>quinesensis</i> (Rausch) E.Herzog wfo-- 0001431668 | 103 | <i>Lobivia thionantha</i> var. <i>brevispina</i> (F.Ritter) Rausch wfo-- 0001260819 | 4 |
| <i>Lobivia sicuaniensis</i> Rausch wfo--0001289143 | 186 | <i>Lobivia thionantha</i> var. <i>catamarcensis</i> (F.Ritter) Rausch wfo--0001260820 | 4 |
| <i>Lobivia silvestrii</i> (Speg.) G.D.Rowley wfo--0001038971 .. | 43 | <i>Lobivia thionantha</i> var. <i>chionantha</i> (Speg.) Rausch wfo-- 0001260821 | 4 |
| <i>Lobivia simplex</i> Rausch wfo--0001289144 | 185 | <i>Lobivia thionantha</i> var. <i>erythrantha</i> Rausch wfo-- 0001260822 | 4 |
| <i>Lobivia spiniflora</i> (K.Schum.) Rausch wfo--0001260807 ... | 4 | <i>Lobivia thionantha</i> var. <i>ferrarii</i> (Rausch) Rausch wfo-- 0001260823 | 4 |
| <i>Lobivia spiniflora</i> var. <i>klimpeliana</i> (Weidlich & Werderm.) Rausch wfo--0001260808 | 4 | <i>Lobivia thionantha</i> var. <i>glauca</i> (F.Ritter) Rausch wfo-- 0001260824 | 3 |
| <i>Lobivia spiniflora</i> var. <i>macrantha</i> Rausch wfo-- 0001260809 | 4 | <i>Lobivia thionantha</i> var. <i>munita</i> Rausch wfo--0001260825 | 4 |
| <i>Lobivia spiniflora</i> var. <i>peitscheriana</i> (Backeb.) Rausch wfo-- -0001260810 | 4 | <i>Lobivia thionantha</i> var. <i>variiflora</i> Rausch wfo-- 0001260826 | 4 |
| <i>Lobivia spiniflora</i> var. <i>violacea</i> (Werderm.) Rausch wfo-- 0001260811 | 4 | <i>Lobivia thionanthus</i> (Speg.) Britton & Rose wfo-- 0001257589 | 4 |
| <i>Lobivia staffenii</i> Frič wfo--0000358113 | 104 | | |
| <i>Lobivia steinmannii</i> (Solms) Backeb. wfo--0001246796 .. | 24 | | |

| | | | |
|--|-----|---|----------|
| <i>Lobivia tiegeliana</i> f. <i>albiflora</i> (Krainz) Krainz wfo--- 0001431671..... | 191 | <i>Lobivia wrightiana</i> var. <i>brevispina</i> Backeb. wfo--- 0001431686..... | 417 |
| <i>Lobivia tiegeliana</i> f. <i>dimorphipetala</i> (F.Ritter) J.Ullmann wfo---0001260827..... | 191 | <i>Lobivia wrightiana</i> var. <i>winteriana</i> (F.Ritter) Rausch wfo--- 0001431687..... | 182 |
| <i>Lobivia tiegeliana</i> f. <i>distefanoiana</i> (Cullmann & F.Ritter) J.Ullmann wfo---0001260829..... | 191 | <i>Lobivia xanthocarpa</i> (Backeb.) H.P.Kelsey & Dayton wfo--- 0000367448..... | 321 |
| <i>Lobivia tiegeliana</i> f. <i>winterae</i> (Krainz) Krainz wfo--- 0001431672..... | 191 | <i>Lobivia zecheri</i> f. <i>ferruginea</i> E.Herzog wfo---0001431688 | 417 |
| <i>Lobivia tiegeliana</i> var. <i>borealis</i> Diers & Jucker wfo--- 0001431673..... | 191 | <i>Lobivia zecheri</i> f. <i>fungiflora</i> (B.Braun) E.Herzog wfo--- 0001431689..... | 416 |
| <i>Lobivia tiegeliana</i> var. <i>cinnabarina</i> (Frič) G.D.Rowley wfo--- 0001431674..... | 191 | <i>Lobivia zecheri</i> Rausch wfo---0001287794..... | 182 |
| <i>Lobivia tiegeliana</i> var. <i>distefanoiana</i> Cullmann & F.Ritter wfo---0001260828..... | 191 | <i>Lobivia zecheri</i> var. <i>fungiflora</i> B.Braun wfo---0001431690 | 416 |
| <i>Lobivia tiegeliana</i> var. <i>flaviflora</i> (F.Ritter) Rausch wfo--- 0001431675..... | 191 | <i>Lobivia zencheri</i> Rausch wfo---0001431691..... | 182 |
| <i>Lobivia tiegeliana</i> var. <i>fricii</i> (Rausch) Rausch wfo--- 0001431676..... | 191 | <i>Lobivia zudanensis</i> Cárdenas wfo---0001283903..... | 184 |
| <i>Lobivia tiegeliana</i> var. <i>peclardiana</i> (Krainz) Krainz wfo--- 0001431677..... | 191 | <i>Lobiviopsis</i> Frič ex Kreuz. wfo---4000042633..... | 102 |
| <i>Lobivia tiegeliana</i> var. <i>pusilla</i> (F.Ritter) Rausch wfo--- 0001431678..... | 191 | <i>Lodia mandragora</i> (Frič ex A.Berger) Mosco & Zanov. wfo--- -0000358083..... | 319, 320 |
| <i>Lobivia tiegeliana</i> var. <i>ruberrima</i> Rausch wfo--- 0001431679..... | 191 | <i>Lodia</i> Mosco & Zanovello wfo---4000022066..... | 319 |
| <i>Lobivia tiegeliana</i> var. <i>uriondoensis</i> Rausch wfo--- 0001431680..... | 191 | <i>Lophocereus</i> (A.Berger) Britton & Rose wfo---4000022206 | 191 |
| <i>Lobivia tiegeliana</i> Wessner wfo---0001289760..... | 191 | <i>Lophocereus australis</i> (K.Brandege) Britton & Rose wfo--- 0001289469..... | 192 |
| <i>Lobivia titicacensis</i> Cárdenas wfo---0001288176..... | 189 | <i>Lophocereus bahiensis</i> Orcutt wfo---0000367712..... | 417 |
| <i>Lobivia tuberculosa</i> F.Ritter wfo---0000358118..... | 191 | <i>Lophocereus gatesii</i> M.E.Jones wfo---0001289471..... | 191 |
| <i>Lobivia uitewaaleana</i> Buining wfo---0001260703..... | 107 | <i>Lophocereus glaziovii</i> Orcutt wfo---0000367711..... | 417 |
| <i>Lobivia vanurkiana</i> Backeb. wfo---0000358114..... | 417 | <i>Lophocereus marginatus</i> (DC.) S.Arias & Terrazas wfo--- 0000744177..... | 192 |
| <i>Lobivia varians</i> Backeb. wfo---0001245619..... | 189 | <i>Lophocereus melanurus</i> Orcutt wfo---0000367706..... | 417 |
| <i>Lobivia varians</i> var. <i>croceantha</i> Backeb. wfo---0001431681 | 189 | <i>Lophocereus mieckleyanus</i> (Weing.) Backeb. wfo--- 0000358085..... | 192 |
| <i>Lobivia varians</i> var. <i>rubroalba</i> Backeb. wfo---0001431682 | 417 | <i>Lophocereus mieckleyanus</i> Weing. ex Backeb. & F.M.Knuth wfo---0000358088..... | 192 |
| <i>Lobivia variispina</i> F.Ritter wfo---0001246797..... | 184 | <i>Lophocereus sargentianus</i> (Orcutt) Britton & Rose wfo--- 0000358082..... | 192 |
| <i>Lobivia vatteri</i> Krainz wfo---0000358116..... | 107 | <i>Lophocereus schottii</i> (Engelm.) Britton & Rose wfo--- 0000358086..... | 191, 192 |
| <i>Lobivia vatteri</i> var. <i>robusta</i> Backeb. wfo---0001431683..... | 417 | <i>Lophocereus schottii</i> f. <i>mieckleyanus</i> G.E.Linds. wfo--- 0000367710..... | 192 |
| <i>Lobivia versicolor</i> Rausch wfo---0001246798..... | 189 | <i>Lophocereus schottii</i> f. <i>monstrosus</i> H.E.Gates wfo--- 0000367714..... | 192 |
| <i>Lobivia vilcabambae</i> F.Ritter wfo---0001287805..... | 185 | <i>Lophocereus schottii</i> f. <i>spiralis</i> A.M.Carter wfo--- 0000367709..... | 192 |
| <i>Lobivia violaciflora</i> (Backeb.) H.P.Kelsey & Dayton wfo--- 0000367454..... | 321 | <i>Lophocereus schottii</i> var. <i>australis</i> (K.Brandege) Borg wfo--- -0001289470..... | 192 |
| <i>Lobivia walteri</i> R.Kiesling wfo---0001255798..... | 351 | <i>Lophocereus schottii</i> var. <i>gatesii</i> (M.E.Jones) Borg wfo--- 0001289472..... | 191 |
| <i>Lobivia walterspielii</i> Boed. wfo---0001245620..... | 184 | <i>Lophocereus schottii</i> var. <i>sargentianus</i> (Orcutt) Borg wfo--- 0001289468..... | 192 |
| <i>Lobivia watadae</i> var. <i>salmonea</i> Y.Itô wfo---0001431684417 | 417 | <i>Lophocereus schottii</i> var. <i>schottii</i> wfo---0001248148... .. | 192 |
| <i>Lobivia watadae</i> Y.Itô wfo---0000358087..... | 417 | <i>Lophocereus schottii</i> var. <i>tenuis</i> G.E.Linds. wfo--- 0000367707..... | 192 |
| <i>Lobivia wegheiana</i> Backeb. wfo---0001245621..... | 188 | <i>Lophophora alberto-vojtechii</i> Bohata, Myšák & Šnicer wfo--- -0000509759..... | 193 |
| <i>Lobivia wegheiana</i> var. <i>leucantha</i> Backeb. wfo--- 0001434871..... | 189 | <i>Lophophora diffusa</i> (Croizat) Bravo wfo---0001256202..... | 193 |
| <i>Lobivia wegneriana</i> Grunert & Kluegel wfo---0001260686 | 416 | <i>Lophophora diffusa</i> subsp. <i>diffusa</i> wfo---0001286202..... | 193 |
| <i>Lobivia wessneriana</i> Fritzen wfo---0001260681..... | 105 | <i>Lophophora diffusa</i> subsp. <i>fricii</i> (Haberm.) Halda wfo--- 0001431692..... | 193 |
| <i>Lobivia westii</i> Hutchison wfo---0001287790..... | 186 | <i>Lophophora diffusa</i> subsp. <i>kubesae</i> Halda, Kupcák & Malina wfo---0001431693..... | 193 |
| <i>Lobivia westii</i> var. <i>intermedia</i> (Rausch) F.Ritter wfo--- 0001287791..... | 186 | <i>Lophophora diffusa</i> subsp. <i>viridescens</i> Halda wfo--- 0001286208..... | 193 |
| <i>Lobivia wilkeae</i> (Backeb.) H.Friedrich wfo---0000358090 | 370 | | |
| <i>Lobivia winteriana</i> F.Ritter wfo---0001287798..... | 182 | | |
| <i>Lobivia wrightiana</i> Backeb. wfo---0001287712..... | 182 | | |
| <i>Lobivia wrightiana</i> f. <i>chilensis</i> E.Herzog wfo---0001431685 | 417 | | |

| | | | |
|--|----------|---|---------|
| <i>Lophophora diffusa</i> var. <i>koehresii</i> Říha wfo---0001286203 | 193 | <i>Loxanthocereus acanthurus</i> (Vaupel) Backeb. wfo--- 0001287553 | 29, 162 |
| <i>Lophophora diffusa</i> var. <i>swobodaiana</i> Halda, Kupčák & Malina wfo---0001431694 | 193 | <i>Loxanthocereus acanthurus</i> subsp. <i>pullatus</i> (Rauh & Backeb.) Ostolaza wfo---0001431709 | 30 |
| <i>Lophophora echinata</i> Croizat wfo---0000358095 | 193 | <i>Loxanthocereus acanthurus</i> var. <i>ferox</i> Backeb. wfo--- 0001287554 | 29 |
| <i>Lophophora echinata</i> var. <i>diffusa</i> Croizat wfo--- 0001256203 | 193 | <i>Loxanthocereus aticensis</i> Rauh & Backeb. wfo--- 0001287561 | 32 |
| <i>Lophophora echinata</i> var. <i>lutea</i> (Rouhier) Croizat wfo--- 0001431695 | 193 | <i>Loxanthocereus aureispinus</i> (F.Ritter) Buxb. wfo--- 0001277372 | 48 |
| <i>Lophophora echinata</i> var. <i>typica</i> Croizat wfo---0001431696 | 417 | <i>Loxanthocereus</i> Backeb. wfo---4000022330 | 162 |
| <i>Lophophora fricii</i> Haberm. wfo---0000358096 | 193 | <i>Loxanthocereus bicolor</i> F.Ritter wfo---0001287864 | 29 |
| <i>Lophophora</i> J.M.Coult. wfo---4000022225 | 192 | <i>Loxanthocereus brevispinus</i> Rauh & Backeb. wfo--- 0001287574 | 47 |
| <i>Lophophora jourdaniana</i> Haberm. wfo---0000358097 .. | 193 | <i>Loxanthocereus camanaensis</i> Rauh & Backeb. wfo--- 0001287562 | 32 |
| <i>Lophophora koehresii</i> (Říha) Bohata, Myšák & Šnicer wfo--- 0000507544 | 193 | <i>Loxanthocereus canetensis</i> Rauh & Backeb. wfo--- 0000358093 | 29 |
| <i>Lophophora lewinii</i> (Henn.) C.H.Thomps. wfo--- 0001265635 | 193 | <i>Loxanthocereus cantaensis</i> Rauh & Backeb. wfo--- 0001287571 | 29 |
| <i>Lophophora lutea</i> (Rouhier) Backeb. wfo---0000358098 | 193 | <i>Loxanthocereus casmaensis</i> F.Ritter wfo---0001289200 | 165 |
| <i>Lophophora lutea</i> var. <i>texana</i> (Frič ex Kreuz.) Backeb. wfo--- -0001431697 | 193 | <i>Loxanthocereus clavispinus</i> Rauh & Backeb. wfo--- 0001287563 | 30 |
| <i>Lophophora pentagona</i> (Croizat) V.Gapon wfo--- 0000358102 | 193 | <i>Loxanthocereus convergens</i> F.Ritter wfo---0001287865 .. | 29 |
| <i>Lophophora pluricostata</i> (Croizat) V.Gapon wfo--- 0000358099 | 193 | <i>Loxanthocereus cullmannianus</i> Backeb. wfo---0001289145 | 29 |
| <i>Lophophora viridescens</i> (Halda) Halda wfo---0001286209 | 193 | <i>Loxanthocereus deserticola</i> F.Ritter wfo---0001287866 .. | 30 |
| <i>Lophophora williamsii</i> (Lem. ex Salm-Dyck) J.M.Coult. wfo--- -0001287424 | 192, 193 | <i>Loxanthocereus erectispinus</i> Rauh & Backeb. wfo--- 0001287564 | 29 |
| <i>Lophophora williamsii</i> subsp. <i>diffusa</i> (Croizat) Scheinvar wfo---0001431698 | 193 | <i>Loxanthocereus eremiticus</i> F.Ritter wfo---0001287867 ... | 29 |
| <i>Lophophora williamsii</i> subsp. <i>grymii</i> Halda, Kupčák & Sladk. wfo---0001431699 | 193 | <i>Loxanthocereus erigens</i> Rauh & Backeb. wfo---0000358021 | 29 |
| <i>Lophophora williamsii</i> var. <i>cristata</i> Houghton wfo--- 0001431700 | 193 | <i>Loxanthocereus eriotrichus</i> Backeb. wfo---0001287555 .. | 29 |
| <i>Lophophora williamsii</i> var. <i>decipiens</i> Croizat wfo--- 0001431701 | 193 | <i>Loxanthocereus eulalianus</i> Rauh & Backeb. wfo--- 0000358156 | 29 |
| <i>Lophophora williamsii</i> var. <i>diffusa</i> (Croizat) G.D.Rowley wfo---0001286204 | 193 | <i>Loxanthocereus eulaliensis</i> Rauh & Backeb. wfo--- 0001287575 | 29 |
| <i>Lophophora williamsii</i> var. <i>echinata</i> (Croizat) Bravo wfo--- 0001431702 | 193 | <i>Loxanthocereus faustianus</i> (Backeb.) Backeb. wfo--- 0001287556 | 30 |
| <i>Lophophora williamsii</i> var. <i>fricii</i> (Haberm.) Grym wfo--- 0001431703 | 193 | <i>Loxanthocereus ferrugineus</i> Rauh & Backeb. wfo--- 0001287565 | 30 |
| <i>Lophophora williamsii</i> var. <i>heptagona</i> Y.Itô wfo--- 0001431704 | 193 | <i>Loxanthocereus formosus</i> (F.Ritter) Buxb. wfo--- 0001289238 | 239 |
| <i>Lophophora williamsii</i> var. <i>koehresii</i> (Říha) Grym wfo--- 0001286205 | 193 | <i>Loxanthocereus gracilis</i> (Akers & Buining) Backeb. wfo--- 0001287560 | 32 |
| <i>Lophophora williamsii</i> var. <i>lewinii</i> J.M.Coult. wfo--- 0001431705 | 193 | <i>Loxanthocereus gracilispinus</i> Rauh & Backeb. wfo--- 0001287566 | 29 |
| <i>Lophophora williamsii</i> var. <i>lutea</i> (Rouhier) Soulaire wfo--- 0001431706 | 193 | <i>Loxanthocereus granditessellatus</i> Rauh & Backeb. wfo--- 0001287551 | 33 |
| <i>Lophophora williamsii</i> var. <i>pentagona</i> Croizat wfo--- 0000367718 | 193 | <i>Loxanthocereus hoffmannii</i> F.Ritter wfo---0001287868 .. | 30 |
| <i>Lophophora williamsii</i> var. <i>pluricostata</i> Croizat wfo--- 0000367717 | 193 | <i>Loxanthocereus hoxeyi</i> (G.J.Charles) Lodé wfo--- 0001431710 | 30 |
| <i>Lophophora williamsii</i> var. <i>texana</i> Frič ex Kreuz. wfo--- 0001431707 | 193 | <i>Loxanthocereus hoxeyi</i> subsp. <i>grandis</i> Hoxey wfo--- 0001431711 | 407 |
| <i>Lophophora williamsii</i> var. <i>typica</i> Croizat wfo--- 0001431708 | 193 | <i>Loxanthocereus hystrix</i> Rauh & Backeb. wfo---0001287568 | 30 |
| <i>Loxanthocereus xcrassiserpens</i> (Rauh & Backeb.) Backeb. wfo---0001289259 | 31 | <i>Loxanthocereus hystrix</i> var. <i>brunnescens</i> Rauh wfo--- 0001287569 | 30 |
| | | <i>Loxanthocereus jajoanus</i> (Backeb.) Backeb. wfo--- 0001287557 | 31 |
| | | <i>Loxanthocereus keller-badensis</i> Backeb. & Krainz wfo--- 0001287559 | 29 |

| | | | |
|---|----------|---|-----|
| <i>Loxanthocereus madisoniorum</i> (Hutchison) Buxb. wfo-- 0001289241..... | 240 | <i>Maihuenia</i> (Phil. ex F.A.C.Weber) K.Schum. wfo-- 4000022893 | 194 |
| <i>Loxanthocereus madisonorum</i> (Hutchison) Buxb. wfo-- 0001431712..... | 240 | <i>Maihuenia albolanata</i> f. <i>viridulispina</i> F.Ritter wfo-- 0000368964 | 194 |
| <i>Loxanthocereus montanus</i> F.Ritter wfo--0001287869 | 30 | <i>Maihuenia albolanata</i> F.Ritter wfo--0000368955 | 194 |
| <i>Loxanthocereus multifloccosus</i> Rauh & Backeb. wfo-- 0001287567..... | 29 | <i>Maihuenia andicola</i> Comber wfo--0000368957 | 194 |
| <i>Loxanthocereus nanus</i> Backeb. wfo--0001289146..... | 32 | <i>Maihuenia brachydelphys</i> K.Schum. wfo--0000368953 | 194 |
| <i>Loxanthocereus neglectus</i> F.Ritter wfo--0001287870 | 29 | <i>Maihuenia cumulata</i> F.Ritter wfo--0000368958 | 194 |
| <i>Loxanthocereus neglectus</i> var. <i>chimbotensis</i> F.Ritter wfo-- 0001287908..... | 29 | <i>Maihuenia latispina</i> F.Ritter wfo--0000368959 | 194 |
| <i>Loxanthocereus otuscensis</i> F.Ritter wfo--0001287871..... | 32 | <i>Maihuenia patagonica</i> (Phil.) Britton & Rose wfo-- 0000368960 | 194 |
| <i>Loxanthocereus pacaranensis</i> F.Ritter wfo--000128787229 | | <i>Maihuenia patagonica</i> (Phil.) Speg. wfo--0001431715 | 194 |
| <i>Loxanthocereus pachycladus</i> Rauh & Backeb. wfo-- 0001287576..... | 32 | <i>Maihuenia philippii</i> (F.A.C.Weber) K.Schum. wfo-- 0001288220 | 194 |
| <i>Loxanthocereus parvitesselatus</i> F.Ritter wfo--0001287873 | 32 | <i>Maihuenia poeppigii</i> (Otto ex Pfeiff.) F.A.C.Weber ex K.Schum. wfo--0000368962..... | 194 |
| <i>Loxanthocereus peculiaris</i> Rauh & Backeb. wfo-- 0001287570..... | 30 | <i>Maihuenia tehuelches</i> Speg. wfo--0000368963..... | 194 |
| <i>Loxanthocereus piscoensis</i> Rauh & Backeb. wfo-- 0001287823..... | 32 | <i>Maihuenia valentini</i> Speg. wfo--0000368934 | 194 |
| <i>Loxanthocereus pullatus</i> Rauh & Backeb. wfo-- 0001287572..... | 30 | <i>Maihuenia valentinii</i> Speg. wfo--0001431716 | 194 |
| <i>Loxanthocereus pullatus</i> var. <i>brevispinus</i> Rauh & Backeb. wfo--0001287573..... | 29 | <i>Maihueniopsis albomarginata</i> F.Ritter wfo--0001289294 | 197 |
| <i>Loxanthocereus pullatus</i> var. <i>fulviceps</i> Rauh & Backeb. wfo--0001431713..... | 417 | <i>Maihueniopsis archiconoidea</i> F.Ritter wfo--0001252363 | 195 |
| <i>Loxanthocereus puquiensis</i> F.Ritter wfo--0001287874 | 32 | <i>Maihueniopsis atacamensis</i> (Phil.) F.Ritter wfo-- 0000368917 | 195 |
| <i>Loxanthocereus riomajensis</i> Rauh & Backeb. wfo-- 0001287577..... | 31 | <i>Maihueniopsis boliviana</i> subsp. <i>echinacea</i> (F.Ritter) Faúndez & R.Kiesling wfo--0001431717 | 70 |
| <i>Loxanthocereus sextonianus</i> Backeb. wfo--0001287558 | 32 | <i>Maihueniopsis boliviana</i> subsp. <i>ignescens</i> (Vaupel) Faúndez & R.Kiesling wfo--0001431718 | 70 |
| <i>Loxanthocereus splendens</i> Backeb. wfo--0001289147..... | 32 | <i>Maihueniopsis bolivianum</i> (Salm-Dyck) R.Kiesling wfo-- 0001289279 | 69 |
| <i>Loxanthocereus</i> subg. <i>Anhaloniopsis</i> Buxb. wfo-- 3500004029..... | 238 | <i>Maihueniopsis bonnieae</i> (D.J.Ferguson & R.Kiesling) E.F.Anderson wfo--0001250951 | 363 |
| <i>Loxanthocereus sulcifer</i> Rauh & Backeb. wfo--0001287552 | 33 | <i>Maihueniopsis camacho</i> (Espinosa) F.Ritter wfo-- 0000368919 | 195 |
| <i>Loxanthocereus sulcifer</i> var. <i>longispinus</i> Rauh & Backeb. wfo--0001289197..... | 32 | <i>Maihueniopsis clavarioides</i> (Otto ex Pfeiff.) E.F.Anderson wfo--0001250952 | 195 |
| <i>Loxanthocereus trujilloensis</i> F.Ritter wfo--0001287875 | 31 | <i>Maihueniopsis colorea</i> (F.Ritter) F.Ritter wfo--0000369575 | 195 |
| <i>Loxanthocereus variabilis</i> F.Ritter wfo--0001287876 | 32 | <i>Maihueniopsis conoidea</i> (F.Ritter ex Backeb.) F.Ritter wfo-- -0000369577 | 195 |
| <i>Loxanthocereus xylorhizus</i> F.Ritter wfo--0001287877 | 33 | <i>Maihueniopsis crassispina</i> F.Ritter wfo--0001252367 | 195 |
| <i>Loxanthocereus yayuosensis</i> F.Ritter wfo--0001287878 | 32 | <i>Maihueniopsis darwinii</i> (Hensl.) F.Ritter wfo--0000369578 | 195 |
| <i>Lymanbensonia brevispina</i> (Barthlott) Barthlott & N.Korotkova wfo--0000749746 | 194 | <i>Maihueniopsis darwinii</i> var. <i>darwinii</i> wfo--0001289296 | 195 |
| <i>Lymanbensonia choquequiraiensis</i> P.Hoxey wfo-- 0001431714..... | 194 | <i>Maihueniopsis darwinii</i> var. <i>hickenii</i> (Britton & Rose) R.Kiesling wfo--0001289295 | 196 |
| <i>Lymanbensonia crenata</i> (Britton) Doweld wfo-- 0000358165..... | 194 | <i>Maihueniopsis domeykoensis</i> F.Ritter wfo--0001252369 | 195 |
| <i>Lymanbensonia incachacana</i> (Cárdenas) Barthlott & N.Korotkova wfo--0000749745 | 194 | <i>Maihueniopsis glochidiata</i> G.J.Charles wfo--0000749813 | 196 |
| <i>Lymanbensonia</i> Kimnach wfo--4000022535 | 35, 193 | <i>Maihueniopsis glomerata</i> (Haw.) R.Kiesling wfo-- 0001289299 | 196 |
| <i>Lymanbensonia micrantha</i> (Vaupel) Kimnach wfo-- 0001287943..... | 193, 194 | <i>Maihueniopsis glomerata</i> subsp. <i>hypogaea</i> (Werderm.) G.J.Charles wfo--0001431719 | 196 |
| <i>Machaerocereus</i> Britton & Rose wfo--4000022625 | 355 | <i>Maihueniopsis grandiflora</i> F.Ritter wfo--0001252374 | 196 |
| <i>Machaerocereus eruca</i> (K.Brandege) Britton & Rose wfo-- -0001289462 | 355, 356 | <i>Maihueniopsis hickenii</i> (Britton & Rose) D.R.Hunt wfo-- 0000749819 | 196 |
| <i>Machaerocereus gummosus</i> (Engelm.) Britton & Rose wfo-- -0001289465 | 357 | <i>Maihueniopsis hypogaea</i> (Werderm.) F.Ritter wfo-- 0001289305 | 196 |
| <i>Maierocactus capricornis</i> (A.Dietr.) E.C.Rost wfo-- 0001271929..... | 14 | | |
| <i>Maierocactus</i> E.C.Rost wfo--4000022891 | 14 | | |

| | | | |
|---|-----------|--|----------|
| <i>Maihueniopsis leoncito</i> (Werderm.) F.Ritter ex P.C.Guerrero & Helmut Walter wfo---0001431720 ... | 196 | <i>Malacocarpus caespitosus</i> (Speg.) Hosseus wfo--- 0000369595 | 281 |
| <i>Maihueniopsis leoncito</i> (Werderm.) F.Ritter wfo--- 0000369597 | 196 | <i>Malacocarpus callispinus</i> Y.Itô wfo---0000369596 | 417 |
| <i>Maihueniopsis leptochlada</i> F.Ritter wfo---0001289306 .. | 417 | <i>Malacocarpus catamarcensis</i> (Speg.) Britton & Rose wfo--- 0001257670 | 125 |
| <i>Maihueniopsis leptochlada</i> F.Ritter wfo---0001431721 ... | 196 | <i>Malacocarpus concinnus</i> (Monv.) Britton & Rose wfo--- 0001257667 | 281 |
| <i>Maihueniopsis mandragora</i> (Backeb.) F.Ritter wfo--- 0000369599 | 196 | <i>Malacocarpus corynodes</i> (Otto ex Pfeiff.) Salm-Dyck wfo--- 0000369545 | 279, 283 |
| <i>Maihueniopsis minuta</i> (Backeb.) R.Kiesling wfo--- 0001289307 | 196 | <i>Malacocarpus corynodes</i> var. <i>erinaceus</i> (Haw.) Salm-Dyck wfo---0001288779 | 283 |
| <i>Maihueniopsis molfinoi</i> Speg. wfo---0001288254 .. | 194, 196 | <i>Malacocarpus courantii</i> (Lem.) Salm-Dyck wfo--- 0000369579 | 284 |
| <i>Maihueniopsis molinensis</i> (Speg.) F.Ritter wfo--- 0000369603 | 363 | <i>Malacocarpus coxii</i> (K.Schum.) Hosseus wfo---0000369547 | 16 |
| <i>Maihueniopsis neuquensis</i> (Borg) F.Ritter wfo--- 0001289346 | 195 | <i>Malacocarpus curvispinus</i> (Bertero ex Colla) Britton & Rose wfo---0001288748 | 115 |
| <i>Maihueniopsis nigripina</i> (K.Schum.) R.Kiesling wfo--- 0001289311 | 363 | <i>Malacocarpus dusenii</i> Hosseus wfo---0000369548 | 16 |
| <i>Maihueniopsis nigripina</i> subsp. <i>atroglobosa</i> Backeb. ex Guiggi & Pat.Palacios wfo---0001431722 | 363 | <i>Malacocarpus erinaceus</i> (Haw.) Lem. ex C.F.Först. wfo--- 0001288780 | 283 |
| <i>Maihueniopsis ovallei</i> (Gay) F.Ritter wfo---0000369600 | 196 | <i>Malacocarpus erithmifolius</i> C.A.Mey. wfo---0001146399 | 417 |
| <i>Maihueniopsis ovata</i> (Pfeiff.) F.Ritter wfo---0001289316 . | 7, 197 | <i>Malacocarpus escayachensis</i> (Vaupel) Britton & Rose wfo-- -0001245622 | 289 |
| <i>Maihueniopsis ovata</i> f. <i>calva</i> F.Ritter wfo---0001431723 | 197 | <i>Malacocarpus fricii</i> (Arechav.) A.Berger wfo---0000369555 | 284 |
| <i>Maihueniopsis ovata</i> f. <i>sterilis</i> F.Ritter wfo---0001431724 | 417 | <i>Malacocarpus graessneri</i> (K.Schum.) Britton & Rose wfo--- 0001257678 | 286 |
| <i>Maihueniopsis pentlandii</i> (Salm-Dyck) R.Kiesling wfo--- 0001289319 | 69 | <i>Malacocarpus grossei</i> (K.Schum.) Britton & Rose wfo--- 0001257662 | 298 |
| <i>Maihueniopsis platyacantha</i> (Pfeiff.) D.R.Hunt wfo--- 0000749818 | 197 | <i>Malacocarpus haselbergii</i> (Haage ex Rümpler) Britton & Rose wfo---0001257673 | 286 |
| <i>Maihueniopsis rahmeri</i> (Phil.) F.Ritter wfo---0000369591 | 171 | <i>Malacocarpus heptacanthus</i> Barb.Rodr. wfo---0001288400 | 81 |
| <i>Maihueniopsis recurvata</i> (Gilmer & H.P.Thomas) R.Kiesling wfo---0001283490 | 363 | <i>Malacocarpus intertextus</i> Britton & Rose wfo--- 0000369552 | 417 |
| <i>Maihueniopsis reicheana</i> (Espinosa) D.R.Hunt wfo--- 0001431725 | 197 | <i>Malacocarpus islayensis</i> (C.F.Först.) Britton & Rose wfo--- 0001287471 | 119 |
| <i>Maihueniopsis</i> Speg. wfo---4000022894 | 194 | <i>Malacocarpus kavariikii</i> Frič wfo---0000369553 | 417 |
| <i>Maihueniopsis subg. Puna</i> (R.Kiesling) Stuppy wfo--- 3500004047 | 194 | <i>Malacocarpus kovaricii</i> Frič wfo---0001431727 | 285 |
| <i>Maihueniopsis subterranea</i> (R.E.Fr.) E.F.Anderson wfo--- 0001250955 | 72 | <i>Malacocarpus langsdorfii</i> (Lehm.) Britton & Rose wfo--- 0001288837 | 287 |
| <i>Maihueniopsis subterranea</i> subsp. <i>pulcherrima</i> (Halda & Horáček) M.Lowry wfo---0001431726 | 72 | <i>Malacocarpus leninghausii</i> (F.Haage) Britton & Rose wfo--- 0001257676 | 288 |
| <i>Maihueniopsis tarapacana</i> (Phil.) F.Ritter wfo--- 0000369587 | 195 | <i>Malacocarpus leucocarpus</i> (Arechav.) Backeb. wfo--- 0000369549 | 284 |
| <i>Maihueniopsis wagenknechtii</i> F.Ritter wfo---0001252378 | 197 | <i>Malacocarpus linkii</i> (Lehm.) Britton & Rose wfo--- 0000369540 | 288 |
| <i>Malacocarpus aciculatus</i> Salm-Dyck wfo---0000369588 | 283 | <i>Malacocarpus maassii</i> (Heese) Britton & Rose wfo--- 0001245623 | 289 |
| <i>Malacocarpus acuatus</i> Salm-Dyck wfo---0000369589 ... | 283 | <i>Malacocarpus macracanthus</i> (Arechav.) Herter wfo--- 0000369541 | 284 |
| <i>Malacocarpus apricus</i> (Arechav.) Britton & Rose wfo--- 0001257666 | 281 | <i>Malacocarpus macrocanthus</i> (Arechav.) Herter wfo--- 0001431728 | 285 |
| <i>Malacocarpus arechavaletae</i> A.Berger wfo---0000369590 | 295 | <i>Malacocarpus macrogonus</i> (Arechav.) Herter wfo--- 0000369542 | 284 |
| <i>Malacocarpus arechavaletae</i> Frič wfo---0000369586 ... | 295 | <i>Malacocarpus mammillarioides</i> (Hook.) Britton & Rose wfo---0001257675 | 138 |
| <i>Malacocarpus beltranii</i> Frič wfo---0000369593 | 284 | <i>Malacocarpus mammulosus</i> (Lem.) Britton & Rose wfo--- 0001146443 | 289 |
| <i>Malacocarpus bertinii</i> (J.F.Cels) Hosseus wfo---0000378220 | 16 | <i>Malacocarpus martini</i> Labour. ex Rümpler wfo--- 0000378257 | 284 |
| <i>Malacocarpus bezrucii</i> Frič wfo---0000369594 | 285 | | |
| <i>Malacocarpus bezrucii</i> var. <i>centrispinus</i> Frič wfo--- 0001434872 | 285 | | |
| <i>Malacocarpus bezrucii</i> var. <i>corniger</i> Frič wfo---0001434873 | 285 | | |

| | | | |
|---|-----|---|----------|
| <i>Malacocarpus molendensis</i> (Vaupel) Backeb. wfo-- 0001431729..... | 119 | <i>Mamillopsis senilis</i> (Lodd. ex Salm-Dyck) F.A.C.Weber ex Britton & Rose wfo--0001257652..... | 197, 232 |
| <i>Malacocarpus mollendensis</i> Backeb. wfo--0000369539417 | | <i>Mammariella</i> Shafer wfo--4000042536..... | 197 |
| <i>Malacocarpus muricatus</i> (Link & Otto ex Pfeiff.) Britton & Rose wfo--0001257669..... | 294 | <i>Mammillaria</i> <i>xgajii</i> Chvastek & Halda wfo--0000369781 | 209 |
| <i>Malacocarpus napinus</i> (Phil.) Britton & Rose wfo-- 0001257665..... | 121 | <i>Mammillaria acanthophlegma</i> Lehm. wfo--0001288691 | 209 |
| <i>Malacocarpus nigrispinus</i> (K.Schum.) Britton & Rose wfo-- 0001257663..... | 294 | <i>Mammillaria acanthophlegma</i> var. <i>abducta</i> Monv. ex Labour. wfo--0001431733..... | 210 |
| <i>Malacocarpus orthacanthus</i> (Link & Otto) Herter wfo-- 0000369544..... | 289 | <i>Mammillaria acanthophlegma</i> var. <i>decandollei</i> Salm-Dyck wfo--0001431734..... | 209 |
| <i>Malacocarpus ottonis</i> (Lehm.) Britton & Rose wfo-- 0001288890..... | 295 | <i>Mammillaria acanthophlegma</i> var. <i>elegans</i> Monv. ex Labour. wfo--0001431735..... | 210 |
| <i>Malacocarpus pampeanus</i> (Speg.) Hosseus wfo-- 0000369559..... | 290 | <i>Mammillaria acanthophlegma</i> var. <i>leucocephala</i> Monv. ex Labour. wfo--0001431736..... | 210 |
| <i>Malacocarpus patagonicus</i> (F.A.C.Weber ex Speg.) Britton & Rose wfo--0001257671..... | 16 | <i>Mammillaria acanthophlegma</i> var. <i>meissneri</i> (Ehrenb.) Salm-Dyck wfo--0001431737..... | 211 |
| <i>Malacocarpus pauciareolatus</i> (Arechav.) A.Berger wfo-- 0000369554..... | 284 | <i>Mammillaria acanthophlegma</i> var. <i>monacantha</i> Monv. ex Labour. wfo--0001431738..... | 210 |
| <i>Malacocarpus polyacanthus</i> (Link & Otto) Salm-Dyck wfo-- 0000369562..... | 287 | <i>Mammillaria acanthostephes</i> Lehm. wfo--0001288692.. | 67 |
| <i>Malacocarpus pulcherrimus</i> (Arechav.) Britton & Rose wfo-- --0001257668..... | 146 | <i>Mammillaria acicularis</i> Lem. wfo--0001288693..... | 230 |
| <i>Malacocarpus reichei</i> (K.Schum.) Britton & Rose wfo-- 0001257664..... | 122 | <i>Mammillaria aciculata</i> Hort.Berol. ex Salm-Dyck wfo-- 0000369602..... | 205 |
| <i>Malacocarpus rubricostatus</i> Frič wfo--0000369563..... | 285 | <i>Mammillaria aciculata</i> Otto ex Pfeiff. wfo--0001288694 | 403 |
| <i>Malacocarpus</i> Salm-Dyck wfo--4000022925..... | 279 | <i>Mammillaria acifer</i> Jacobi wfo--0001262421..... | 418 |
| <i>Malacocarpus sanjuanensis</i> Speg. wfo--0000369564... 125 | | <i>Mammillaria actinoplea</i> C.Ehrenb. wfo--0001288695.. | 233 |
| <i>Malacocarpus schumannianus</i> (Nicolai) Britton & Rose wfo--0001257661..... | 297 | <i>Mammillaria acultzingensis</i> Linzen, Rogoz. & F.Wolf wfo-- 0001256151..... | 212 |
| <i>Malacocarpus scopa</i> (Spreng.) Britton & Rose wfo-- 0001288962..... | 298 | <i>Mammillaria adicantissima</i> Quehl wfo--0000369635.. | 418 |
| <i>Malacocarpus sellowii</i> K.Schum. wfo--0001273399..... | 283 | <i>Mammillaria adunca</i> Scheidw. ex C.F.Först. wfo-- 0000369639..... | 236 |
| <i>Malacocarpus sellowianus</i> Salm-Dyck wfo--0000369567 | 284 | <i>Mammillaria aeruginosa</i> Scheidw. wfo--0001288696.. | 201 |
| <i>Malacocarpus sellowianus</i> var. <i>tetracanthus</i> (Lem.) Salm- Dyck wfo--0001431730..... | 284 | <i>Mammillaria affinis</i> DC. wfo--0001288697..... | 227 |
| <i>Malacocarpus sellowii</i> var. <i>tetracanthus</i> (Lem.) Salm-Dyck ex K.Schum. wfo--0001431731..... | 284 | <i>Mammillaria aggregata</i> Engelm. ex S.Watson wfo-- 0001288375..... | 132 |
| <i>Malacocarpus sessiliflorus</i> (Mackie ex Hook.) Backeb. wfo-- -0000369568..... | 283 | <i>Mammillaria aggregata</i> Engelm. wfo--0001431739.... | 132 |
| <i>Malacocarpus sessiliflorus</i> var. <i>martini</i> (Labour. ex Rümppler) Backeb. wfo--0001431732..... | 284 | <i>Mammillaria alamensis</i> R.T.Craig wfo--0000369637..... | 53 |
| <i>Malacocarpus stegmannii</i> Backeb. wfo--0001265905.. | 285 | <i>Mammillaria albata</i> Repp. wfo--0000369638..... | 210 |
| <i>Malacocarpus strausianus</i> (K.Schum.) Britton & Rose wfo-- -0001257672..... | 125 | <i>Mammillaria albata</i> var. <i>longispina</i> Repp. wfo-- 0001431740..... | 210 |
| <i>Malacocarpus tabularis</i> (F.Cels ex Rümppler) Britton & Rose wfo--0001220296..... | 281 | <i>Mammillaria albata</i> var. <i>sanciro</i> Repp. wfo--0001431741 | 210 |
| <i>Malacocarpus tephrocanthus</i> (Link & Otto) K.Schum. wfo-- -0000369569..... | 283 | <i>Mammillaria albescens</i> Tiegel wfo--0001255902..... | 205 |
| <i>Malacocarpus tetracanthus</i> (Lem.) Rud.Mey. wfo-- 0000369560..... | 284 | <i>Mammillaria albiarmata</i> Boed. wfo--0001255879..... | 202 |
| <i>Malacocarpus tuberisulcatus</i> (Jacobi) Britton & Rose wfo-- 0001257674..... | 117 | <i>Mammillaria albicans</i> (Britton & Rose) A.Berger wfo-- 0001248237..... | 48 |
| <i>Malacocarpus turbinatus</i> (Arechav.) Herter wfo-- 0000369566..... | 284 | <i>Mammillaria albicans</i> f. <i>dolorensis</i> Lüthy wfo-- 0001431742..... | 48 |
| <i>Malacocarpus vorwerckianus</i> (Werderm.) Backeb. wfo-- 0000369556..... | 285 | <i>Mammillaria albicans</i> f. <i>fraileana</i> (Britton & Rose) Lüthy wfo--0001261213..... | 50 |
| <i>Mamillopsis</i> Britton & Rose wfo--4000022993..... | 197 | <i>Mammillaria albicans</i> f. <i>slevinii</i> (Britton & Rose) Neutel. wfo--0001431743..... | 48 |
| <i>Mamillopsis diguetii</i> (F.A.C.Weber) Britton & Rose wfo-- 0001257654..... | 232 | <i>Mammillaria albicans</i> subsp. <i>albicans</i> wfo--0001255842 | 48 |
| | | <i>Mammillaria albicans</i> subsp. <i>fraileana</i> (Britton & Rose) D.R.Hunt wfo--0001255843..... | 50 |
| | | <i>Mammillaria albicoma</i> Boed. wfo--0001255845..... | 198 |
| | | <i>Mammillaria albida</i> Haage ex Pfeiff. wfo--0001262729205 | |
| | | <i>Mammillaria albidula</i> Backeb. ex Repp. wfo--0001261216 | 212 |

| | | | |
|--|-----|--|-----|
| <i>Mammillaria albiflora</i> (Werderm.) Backeb. wfo-- 0001255846..... | 198 | <i>Mammillaria angularis</i> var. <i>longiseta</i> (Muehlenpf.) Salm- Dyck ex K.Schum. wfo--0001431753..... | 203 |
| <i>Mammillaria albilanata</i> Backeb. wfo--0001255847..... | 198 | <i>Mammillaria angularis</i> var. <i>triacantha</i> (DC.) Salm-Dyck wfo--0001431754..... | 202 |
| <i>Mammillaria albilanata</i> subsp. <i>albilanata</i> wfo-- 0001255848..... | 198 | <i>Mammillaria anisacantha</i> Salm-Dyck wfo--0000369641 | 226 |
| <i>Mammillaria albilanata</i> subsp. <i>oaxacana</i> D.R.Hunt wfo-- 0001255850..... | 198 | <i>Mammillaria anniana</i> Glass & R.A.Foster wfo-- 0001288312..... | 198 |
| <i>Mammillaria albilanata</i> subsp. <i>reppenhausenii</i> (D.R.Hunt) D.R.Hunt wfo--0001255851..... | 198 | <i>Mammillaria antesbergeriana</i> A.B.Lau wfo--0001261217 | 237 |
| <i>Mammillaria albilanata</i> subsp. <i>tegelbergiana</i> (H.E.Gates ex G.E.Linds.) D.R.Hunt wfo--0001431744..... | 198 | <i>Mammillaria apamensis</i> Repp. wfo--0001256438..... | 237 |
| <i>Mammillaria albiseta</i> Hort. ex Rümpler wfo--0000369646 | 234 | <i>Mammillaria apamensis</i> var. <i>pratensis</i> Repp. wfo-- 0001431755..... | 237 |
| <i>Mammillaria albrechtiana</i> Wohlschl. wfo--0000369647 | 229 | <i>Mammillaria apozolensis</i> Repp. wfo--0000369643..... | 225 |
| <i>Mammillaria aloides</i> Monv. ex Labour. wfo--0000369648 | 403 | <i>Mammillaria apozolensis</i> var. <i>saltensis</i> Repp. wfo-- 0001431756..... | 225 |
| <i>Mammillaria alpina</i> Mart. ex Salm-Dyck wfo--0001288698 | 217 | <i>Mammillaria applanata</i> Engelm. wfo--0001289956..... | 213 |
| <i>Mammillaria alversonii</i> (J.M.Coult.) Zeiss. wfo-- 0001287358..... | 128 | <i>Mammillaria areolosa</i> (Lem.) Hemsl. wfo--0001262723 | 11 |
| <i>Mammillaria amabilis</i> Ehrenb. wfo--0001288699..... | 233 | <i>Mammillaria argentea</i> Fennel wfo--0001288705..... | 408 |
| <i>Mammillaria amajacensis</i> Brachet & M.Lacoste wfo-- 0001255853..... | 224 | <i>Mammillaria arida</i> Rose ex Quehl wfo--0001248216... | 225 |
| <i>Mammillaria ambigua</i> G.Don ex Loudon wfo-- 0000369649..... | 396 | <i>Mammillaria arietina</i> Lem. wfo--0001262745..... | 218 |
| <i>Mammillaria amoena</i> Hopffer ex Salm-Dyck wfo-- 0001257810..... | 205 | <i>Mammillaria arizonica</i> Engelm. wfo--0001287357..... | 132 |
| <i>Mammillaria anancistraria</i> Lem. wfo--0000369651..... | 204 | <i>Mammillaria arizonica</i> var. <i>alversonii</i> (J.M.Coult.) Davidson & Moxley wfo--0001288942..... | 128 |
| <i>Mammillaria ancistracantha</i> Lem. wfo--0001288700..... | 62 | <i>Mammillaria armatissima</i> R.T.Craig wfo--0000369615 | 210 |
| <i>Mammillaria ancistrata</i> Scheidw. ex Salm-Dyck wfo-- 0000369653..... | 211 | <i>Mammillaria armillata</i> K.Brandege wfo--0001286965 | 49 |
| <i>Mammillaria ancistraria</i> Lem. wfo--0001288701..... | 204 | <i>Mammillaria armillata</i> subsp. <i>cerralboa</i> (Britton & Rose) D.R.Hunt wfo--0001255854..... | 49 |
| <i>Mammillaria ancistrina</i> Salm-Dyck wfo--0000369654..... | 211 | <i>Mammillaria arroyensis</i> Repp. wfo--0000369616..... | 208 |
| <i>Mammillaria ancistroides</i> Lehm. wfo--0001288702..... | 211 | <i>Mammillaria ascensionis</i> Repp. wfo--0001256141..... | 210 |
| <i>Mammillaria andreae</i> (Otto ex Pfeiff.) J.Forbes wfo-- 0000369642..... | 229 | <i>Mammillaria ascensionis</i> var. <i>nominis-dulcis</i> (A.B.Lau) Repp. wfo--0001286237..... | 210 |
| <i>Mammillaria andreae</i> J.A.Purpus & Boed. wfo-- 0000369652..... | 67 | <i>Mammillaria aselliformis</i> (C.Ehrenb.) H.P.Kelsey & Dayton wfo--0000378246..... | 302 |
| <i>Mammillaria angelensis</i> R.T.Craig wfo--0001243751..... | 48 | <i>Mammillaria asterias</i> Cels ex Salm-Dyck wfo--0001249279 | 66 |
| <i>Mammillaria angelensis</i> var. <i>estebanensis</i> (G.E.Linds.) Repp. wfo--0001243753..... | 50 | <i>Mammillaria atrata</i> Hook. wfo--0001288706..... | 230 |
| <i>Mammillaria anguinea</i> Otto ex Salm-Dyck wfo-- 0001288703..... | 207 | <i>Mammillaria atroflorens</i> Backeb. wfo--0000369618..... | 223 |
| <i>Mammillaria anguinea</i> Otto wfo--0001265817..... | 207 | <i>Mammillaria atrorubra</i> Ehrenb. wfo--0001288707..... | 403 |
| <i>Mammillaria angularis</i> f. <i>compressa</i> (DC.) Schelle wfo-- 0001431745..... | 202 | <i>Mammillaria atrosanguinea</i> Ehrenb. wfo--0001288708 | 233 |
| <i>Mammillaria angularis</i> f. <i>fulvispina</i> (K.Schum.) Schelle wfo- --0001431746..... | 203 | <i>Mammillaria aulacantha</i> DC. wfo--0001288709..... | 403 |
| <i>Mammillaria angularis</i> f. <i>longiseta</i> (Muehlenpf.) Schelle wfo--0001431747..... | 203 | <i>Mammillaria aulacothele</i> Lem. wfo--0001288710..... | 65 |
| <i>Mammillaria angularis</i> f. <i>triacantha</i> (DC.) Schelle wfo-- 0001431748..... | 202 | <i>Mammillaria aulacothele</i> var. <i>flavispina</i> Salm-Dyck wfo-- 0001431757..... | 65 |
| <i>Mammillaria angularis</i> Link & Otto ex Pfeiff. wfo-- 0001431749..... | 203 | <i>Mammillaria aulacothele</i> var. <i>multispina</i> Scheidw. wfo-- 0001431758..... | 65 |
| <i>Mammillaria angularis</i> Link & Otto wfo--0001262727..... | 203 | <i>Mammillaria aulacothele</i> var. <i>spinosior</i> Monv. ex Lem. wfo--0001431759..... | 65 |
| <i>Mammillaria angularis</i> var. <i>compressa</i> K.Schum. wfo-- 0001431750..... | 203 | <i>Mammillaria aulacothele</i> var. <i>sulcimamma</i> H.Pfeiff. wfo-- 0001431760..... | 65 |
| <i>Mammillaria angularis</i> var. <i>fulvescens</i> Salm-Dyck wfo-- 0001431751..... | 203 | <i>Mammillaria aurata</i> Pfeiff. wfo--0000369610..... | 229 |
| <i>Mammillaria angularis</i> var. <i>fulvispina</i> K.Schum. wfo-- 0001431752..... | 203 | <i>Mammillaria aurea</i> C.F.Först. wfo--0000369617..... | 230 |
| | | <i>Mammillaria aureiceps</i> Lem. wfo--0001288711..... | 230 |
| | | <i>Mammillaria aureilanata</i> Backeb. wfo--0001255855... | 198 |
| | | <i>Mammillaria aureilanata</i> f. <i>alba</i> (Fritz Schwarz) Glass wfo-- -0001431761..... | 198 |
| | | <i>Mammillaria aureilanata</i> var. <i>alba</i> Fritz Schwarz wfo-- 0001431762..... | 198 |
| | | <i>Mammillaria aureispina</i> (A.B.Lau) Repp. wfo--0000369605 | 229 |
| | | <i>Mammillaria aureoviridis</i> Heinrich wfo--0000369693.. | 204 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria auriareolis</i> Tiegel wfo--0000369699 | 224 | <i>Mammillaria bicolor</i> f. <i>nobilis</i> (Pfeiff.) Schelle wfo-- | |
| <i>Mammillaria auricantha</i> R.T.Craig wfo--0001276093 | 235 | 0001431770 | 209 |
| <i>Mammillaria auricomata</i> A.Dietr. wfo--0001288712 | 235 | <i>Mammillaria bicolor</i> Lehm. wfo--0000369613 | 209 |
| <i>Mammillaria aurihamata</i> Boed. wfo--0001261269 | 204 | <i>Mammillaria bicolor</i> var. <i>crystata</i> Salm-Dyck wfo-- | |
| <i>Mammillaria aurisaeta</i> Backeb. wfo--0000369700 | 226 | 0001431771 | 210 |
| <i>Mammillaria auritricha</i> R.T.Craig wfo--0000369701 | 235 | <i>Mammillaria bicolor</i> var. <i>longispina</i> Salm-Dyck wfo-- | |
| <i>Mammillaria aurea</i> A.Dietr. wfo--0000369678 | 233 | 0001431772 | 209 |
| <i>Mammillaria aurea</i> Ehrenb. wfo--0001431763 | 234 | <i>Mammillaria bicolor</i> var. <i>nivea</i> (H.L.Wendl.) K.Schum. wfo-- | |
| <i>Mammillaria autumnalis</i> A.Dietr. wfo--0000369659 | 223 | --0001431773 | 210 |
| <i>Mammillaria avila-camacho</i> Shurly ex Backeb. wfo-- | | <i>Mammillaria bicolor</i> var. <i>nobilis</i> (Pfeiff.) C.F.Först. wfo-- | |
| 0000369685 | 225 | 0001431774 | 209 |
| <i>Mammillaria aylostera</i> Werderm. wfo--0000369662 | 199 | <i>Mammillaria bifurca</i> A.Dietr. wfo--0000369623 | 404 |
| <i>Mammillaria bachmannii</i> Boed. wfo--0000369663 | 209 | <i>Mammillaria biglandulosa</i> Pfeiff. wfo--0000369609 | 65 |
| <i>Mammillaria backebergiana</i> F.G.Buchenau wfo-- | | <i>Mammillaria bihamata</i> Pfeiff. wfo--0001288718 | 236 |
| 0001255856 | 198 | <i>Mammillaria binops</i> J.N.Haage ex C.F.Först. wfo-- | |
| <i>Mammillaria backebergiana</i> subsp. <i>backebergiana</i> wfo-- | | 0000369629 | 404 |
| 0001255857 | 199 | <i>Mammillaria blossfeldiana</i> Boed. wfo--0001286966 | 49 |
| <i>Mammillaria backebergiana</i> subsp. <i>ernestii</i> (Fittkau) | | <i>Mammillaria blossfeldiana</i> var. <i>blossfeldiana</i> wfo-- | |
| D.R.Hunt wfo--0001255859 | 199 | 0001248223 | 49 |
| <i>Mammillaria backebergiana</i> var. <i>ernestii</i> (Fittkau) Glass & | | <i>Mammillaria blossfeldiana</i> var. <i>shurliana</i> (H.E.Gates) | |
| R.A.Foster wfo--0001286211 | 199 | Wiggins wfo--0001248224 | 49 |
| <i>Mammillaria badispina</i> C.F.Först. wfo--0000369665 | 403 | <i>Mammillaria bocasana</i> Poselg. wfo--0001288719 | 199 |
| <i>Mammillaria balsasensis</i> Boed. wfo--0000369660 | 199 | <i>Mammillaria bocasana</i> subsp. <i>bocasana</i> wfo-- | |
| <i>Mammillaria balsasoides</i> R.T.Craig wfo--0000369666 | 199 | 0001255862 | 199 |
| <i>Mammillaria bambusiphila</i> Repp. wfo--0001256444 | 237 | <i>Mammillaria bocasana</i> subsp. <i>eschauzieri</i> (J.M.Coult.) | |
| <i>Mammillaria bambusiphila</i> var. <i>parva</i> Repp. wfo-- | | W.A.Fitz Maur. & B.Fitz Maur. wfo--0001255864 | 199 |
| 0001431764 | 237 | <i>Mammillaria bocasana</i> var. <i>kunzeana</i> Quehl wfo-- | |
| <i>Mammillaria barbata</i> Engelm. wfo--0001288714 | 49 | 0001431775 | 199 |
| <i>Mammillaria barbata</i> var. <i>garessii</i> (Cowper) Lodé wfo-- | | <i>Mammillaria bocasana</i> var. <i>splendens</i> Lem. wfo-- | |
| 0001261219 | 49 | 0001434874 | 200 |
| <i>Mammillaria barbata</i> var. <i>morricallii</i> (Cowper) Lodé wfo-- | | <i>Mammillaria bocensis</i> R.T.Craig wfo--0001248210 | 200 |
| 0001261223 | 49 | <i>Mammillaria bocensis</i> var. <i>movasana</i> Repp. wfo-- | |
| <i>Mammillaria barbata</i> var. <i>santaclarensis</i> (Cowper) Lodé | | 0001431776 | 200 |
| wfo--0001261224 | 49 | <i>Mammillaria bocensis</i> var. <i>rubida</i> (Fritz Schwarz) Repp. | |
| <i>Mammillaria barkeri</i> Shurly ex Backeb. wfo--0000369656 | | wfo--0001431777 | 200 |
| ..... | 199 | <i>Mammillaria bockii</i> C.F.Först. wfo--0001288720 | 219 |
| <i>Mammillaria barlowii</i> Regel & Klein bis wfo--0001288715 | | <i>Mammillaria boedekeriana</i> Quehl wfo--0001257874 | 203 |
| ..... | 217 | <i>Mammillaria boelderiana</i> Wohlschl. wfo--0001255865 | |
| <i>Mammillaria baumii</i> Boed. wfo--0001255860 | 199 | ..... | 200 |
| <i>Mammillaria baumii</i> var. <i>radiaissima</i> (G.E.Linds.) Neutel. | | <i>Mammillaria bogotensis</i> Werderm. wfo--0000369632 | 202 |
| wfo--0001431765 | 199 | <i>Mammillaria bombycina</i> Quehl wfo--0001255866 | 200 |
| <i>Mammillaria baxteriana</i> (H.E.Gates) Boed. wfo-- | | <i>Mammillaria bombycina</i> subsp. <i>bombycina</i> wfo-- | |
| 0001248212 | 225 | 0001434875 | 200 |
| <i>Mammillaria beisei</i> Diers wfo--0001256228 | 215 | <i>Mammillaria bombycina</i> subsp. <i>perezdelarosae</i> (Bravo & | |
| <i>Mammillaria bella</i> Backeb. wfo--0001249280 | 224 | Scheinvar) D.R.Hunt wfo--0001255868 | 200 |
| <i>Mammillaria bellacantha</i> R.T.Craig wfo--0000369657 | 235 | <i>Mammillaria bonavitii</i> Repp. wfo--0000369624 | 231 |
| <i>Mammillaria bellatula</i> C.F.Först. wfo--0001288716 | 209 | <i>Mammillaria bonavitii</i> Schmoll ex Backeb. wfo-- | |
| <i>Mammillaria bellisiana</i> R.T.Craig wfo--0000369606 | 232 | 0000369631 | 231 |
| <i>Mammillaria benecke</i> Ehrenb. wfo--0001288717 | 199 | <i>Mammillaria boolii</i> G.E.Linds. wfo--0001248230 | 49 |
| <i>Mammillaria benecke</i> subsp. <i>balsasoides</i> (R.T.Craig) Lodé | | <i>Mammillaria borwigii</i> J.A.Purpus wfo--0000369621 | 68 |
| wfo--0001431766 | 199 | <i>Mammillaria brachytrichion</i> Lüthy wfo--0001286259 | 222 |
| <i>Mammillaria benecke</i> var. <i>multiceps</i> Repp. wfo-- | | <i>Mammillaria brandegeei</i> (J.M.Coult.) K.Brandege wfo-- | |
| 0001243747 | 199 | 0001286967 | 200 |
| <i>Mammillaria bergenii</i> Ehrenb. wfo--0000369604 | 403 | <i>Mammillaria brandegeei</i> subsp. <i>brandegeei</i> wfo-- | |
| <i>Mammillaria bergii</i> Miq. wfo--0000369611 | 403 | 0001255869 | 200 |
| <i>Mammillaria berkiana</i> A.B.Lau wfo--0001255861 | 222 | <i>Mammillaria brandegeei</i> subsp. <i>gabbii</i> (Engelm. ex | |
| <i>Mammillaria bernalensis</i> Repp. wfo--0000369612 | 203 | J.M.Coult.) D.R.Hunt wfo--0001255870 | 200 |
| <i>Mammillaria bertholdii</i> Linzen wfo--0001431767 | 199 | <i>Mammillaria brandegeei</i> subsp. <i>glareosa</i> (Boed.) D.R.Hunt | |
| <i>Mammillaria bicolor</i> f. <i>crystata</i> (Salm-Dyck) Schelle wfo-- | | wfo--0001255871 | 200 |
| 0001431768 | 210 | <i>Mammillaria brandegeei</i> subsp. <i>lewisiana</i> (H.E.Gates) | |
| <i>Mammillaria bicolor</i> f. <i>nivea</i> (H.L.Wendl.) Schelle wfo-- | | D.R.Hunt wfo--0001255873 | 200 |
| 0001431769 | 210 | | |

| | | | |
|---|-----|--|-----|
| <i>Mammillaria brandegeei</i> var. <i>gabbii</i> (Engelm. ex J.M.Coult.) R.T.Craig wfo---0001288798..... | 200 | <i>Mammillaria candida</i> var. <i>ortiz-rubiana</i> (Bravo) B.Hofm. wfo---0001286290 | 201 |
| <i>Mammillaria brauneana</i> Boed. wfo---0000369620..... | 215 | <i>Mammillaria candida</i> var. <i>rosea</i> Salm-Dyck ex K.Schum. wfo---0001286286 | 201 |
| <i>Mammillaria bravoae</i> R.T.Craig wfo---0001249281 | 212 | <i>Mammillaria candida</i> var. <i>sphaerotricha</i> Schelle wfo---0001431788 | 201 |
| <i>Mammillaria brevicrinata</i> Repp. wfo---0000369625 | 204 | <i>Mammillaria canelensis</i> R.T.Craig wfo---0001255874 | 235 |
| <i>Mammillaria brevimamma</i> var. <i>exsudans</i> (Zucc. ex Pfeiff.) Salm-Dyck wfo---0001431778 | 65 | <i>Mammillaria canescens</i> Jacobi wfo---0000369898 | 404 |
| <i>Mammillaria brevimamma</i> Zucc. ex Pfeiff. wfo---0001288722..... | 65 | <i>Mammillaria canescens</i> Pfeiff. wfo---0000369905 | 205 |
| <i>Mammillaria brevipilumosa</i> García-Mor., Ramírez-Chap., Sigala-Chav. & Iamónico wfo---0001431779 | 201 | <i>Mammillaria cantera</i> J.N.Haage ex C.F.Först. wfo---0000369900 | 404 |
| <i>Mammillaria breviseta</i> Ehrenb. wfo---0001288723 | 408 | <i>Mammillaria capensis</i> (H.E.Gates) R.T.Craig wfo---0001248219 | 49 |
| <i>Mammillaria brevispina</i> Boed. wfo---0000369626..... | 418 | <i>Mammillaria caput-medusae</i> Otto ex Pfeiff. wfo---0001262780 | 208 |
| <i>Mammillaria brongniartii</i> Salm-Dyck wfo---0000369627208 | 418 | <i>Mammillaria caput-medusae</i> var. <i>centrispina</i> Salm-Dyck wfo---0001431789 | 209 |
| <i>Mammillaria brownii</i> Toumey wfo---0001288725 | 418 | <i>Mammillaria caput-medusae</i> var. <i>crassior</i> Salm-Dyck wfo---0001431790..... | 209 |
| <i>Mammillaria bucareliensis</i> R.T.Craig wfo---0000369953 | 220 | <i>Mammillaria caput-medusae</i> var. <i>tetracantha</i> Salm-Dyck wfo---0001431791 | 209 |
| <i>Mammillaria bucareliensis</i> var. <i>bicornuta</i> F.Schmoll ex R.T.Craig wfo---0001431780..... | 220 | <i>Mammillaria caracassana</i> Otto ex Salm-Dyck wfo---0000369902 | 221 |
| <i>Mammillaria bucareliensis</i> var. <i>multiflora</i> Repp. wfo---0001431781..... | 220 | <i>Mammillaria carmenae</i> Castañeda wfo---0001225353 | 201 |
| <i>Mammillaria bucareliensis</i> var. <i>tamaulipa</i> Repp. wfo---0001431782..... | 220 | <i>Mammillaria carnea</i> var. <i>aeruginosa</i> (Scheidw.) Gürke wfo---0001431792 | 201 |
| <i>Mammillaria buchenau</i> Backeb. wfo---0000378240 | 204 | <i>Mammillaria carnea</i> var. <i>cirrosa</i> (Salm-Dyck) Gürke wfo---0001431793 | 201 |
| <i>Mammillaria buchheimiana</i> Quehl wfo---0000369907 | 213 | <i>Mammillaria carnea</i> var. <i>robustispina</i> R.T.Craig wfo---0001431794 | 201 |
| <i>Mammillaria bullardiana</i> (H.E.Gates) Boed. wfo---0000369908..... | 49 | <i>Mammillaria carnea</i> var. <i>subtetragona</i> (A.Dietr.) Backeb. wfo---0001431795 | 201 |
| <i>Mammillaria bumamma</i> Ehrenb. wfo---0001288376 | 64 | <i>Mammillaria carnea</i> var. <i>villifera</i> (Otto ex Pfeiff.) Gürke wfo---0001431796 | 201 |
| <i>Mammillaria busonii</i> Bachel wfo---0000378237 | 394 | <i>Mammillaria carnea</i> Zucc. ex Pfeiff. wfo---0001288728 | 201 |
| <i>Mammillaria bussleri</i> Mundt ex K.Schum. wfo---0001265732..... | 66 | <i>Mammillaria carretii</i> Rebut ex K.Schum. wfo---0001255875 | 202 |
| <i>Mammillaria buxbaumeriana</i> Repp. wfo---0000369918 | 205 | <i>Mammillaria caso</i> Bravo wfo---0000369922..... | 235 |
| <i>Mammillaria cadereyensis</i> R.T.Craig wfo---0000369911 | 225 | <i>Mammillaria castaneoides</i> Lem. ex Labour. wfo---0000369916 | 234 |
| <i>Mammillaria cadereyensis</i> var. <i>quadrispina</i> R.T.Craig wfo---0001431783 | 225 | <i>Mammillaria castaneoides</i> Salm-Dyck wfo---0000369899 | 418 |
| <i>Mammillaria caerulea</i> R.T.Craig wfo---0001286217 | 208 | <i>Mammillaria catafracta</i> Mart. ex Salm-Dyck wfo---0000369927 | 227 |
| <i>Mammillaria caesia</i> Ehrenb. wfo---0000369913 | 234 | <i>Mammillaria cataphracta</i> Mart. ex Pfeiff. wfo---0000369928 | 404 |
| <i>Mammillaria caespititia</i> DC. wfo---0001288726 | 418 | <i>Mammillaria caudata</i> G.Don ex Loudon wfo---0000369930 | 418 |
| <i>Mammillaria caespitosa</i> (Engelm.) A.Gray wfo---0000369914..... | 207 | <i>Mammillaria celsiana</i> Lem. wfo---0001288729 | 222 |
| <i>Mammillaria caespitosa</i> Pfeiff. wfo---0000369915 | 207 | <i>Mammillaria celsiana</i> var. <i>guatemalensis</i> Eichlam wfo---0000378253 | 202 |
| <i>Mammillaria calacantha</i> Tiegel wfo---0001273795 | 231 | <i>Mammillaria centralifera</i> Repp. wfo---0001255883 | 203 |
| <i>Mammillaria calcarata</i> Engelm. wfo---0000369901..... | 68 | <i>Mammillaria centraliplumosa</i> Fittkau wfo---0001257441 | 235 |
| <i>Mammillaria calleana</i> Backeb. wfo---0000369912 | 204 | <i>Mammillaria centraliplumosa</i> var. <i>gracilis</i> Repp. wfo---0001261225 | 235 |
| <i>Mammillaria calochlora</i> Anon. wfo---0000369910 | 65 | <i>Mammillaria centricirra</i> f. <i>bockii</i> (C.F.Först.) Schelle wfo---0001431797 | 219 |
| <i>Mammillaria camptotricha</i> Dams wfo---0001240017 | 205 | <i>Mammillaria centricirra</i> f. <i>divergens</i> (DC.) Schelle wfo---0001431798 | 218 |
| <i>Mammillaria candida</i> f. <i>humboldtii</i> (Ehrenb.) Schelle wfo---0001431784..... | 214 | <i>Mammillaria centricirra</i> f. <i>krameri</i> (Muehlenpf.) Schelle wfo---0001431799 | 219 |
| <i>Mammillaria candida</i> f. <i>rosea</i> (Salm-Dyck ex K.Schum.) Schelle wfo---0001431785..... | 201 | | |
| <i>Mammillaria candida</i> Scheidw. wfo---0001287023 | 201 | | |
| <i>Mammillaria candida</i> subsp. <i>menchacaensis</i> Rogoz. & Plein wfo---0001431786..... | 201 | | |
| <i>Mammillaria candida</i> subsp. <i>ortiz-rubiana</i> (Bravo) Krainz wfo---0001286289..... | 201 | | |
| <i>Mammillaria candida</i> subsp. <i>ortizrubioana</i> (Bravo) Rogoz. & Plein wfo---0001431787 | 201 | | |
| <i>Mammillaria candida</i> var. <i>caespitosa</i> Voss wfo---0001286285..... | 201 | | |
| <i>Mammillaria candida</i> var. <i>estanzuelensis</i> Repp. wfo---0001243746..... | 201 | | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria centricirra</i> f. <i>macracantha</i> (DC.) Schelle wfo--0001431800..... | 218 | <i>Mammillaria centricirra</i> var. <i>neumanniana</i> (Lem.) Schelle wfo--0001431829..... | 219 |
| <i>Mammillaria centricirra</i> f. <i>macrothele</i> (Lem.) Schelle wfo--0001431801..... | 218 | <i>Mammillaria centricirra</i> var. <i>pachythele</i> (Salm-Dyck) Schelle wfo--0001431830..... | 220 |
| <i>Mammillaria centricirra</i> f. <i>magnimamma</i> (Haw.) Schelle wfo--0001431802..... | 218 | <i>Mammillaria centricirra</i> var. <i>pazzanii</i> (D.C.Stieber) Schelle wfo--0001431831..... | 219 |
| <i>Mammillaria centricirra</i> f. <i>recurva</i> (Lehm. ex Pfeiff.) Schelle wfo--0001431803..... | 218 | <i>Mammillaria centricirra</i> var. <i>pentacantha</i> (Pfeiff.) Schelle wfo--0001431832..... | 219 |
| <i>Mammillaria centricirra</i> Lem. wfo--0001288730..... | 218 | <i>Mammillaria centricirra</i> var. <i>polygona</i> Schelle wfo--0001431833..... | 220 |
| <i>Mammillaria centricirra</i> var. <i>arietina</i> Schelle wfo--0001431804..... | 220 | <i>Mammillaria centricirra</i> var. <i>pulchra</i> Schelle wfo--0001431834..... | 220 |
| <i>Mammillaria centricirra</i> var. <i>bockii</i> (C.F.Först.) K.Schum. wfo--0001431805..... | 219 | <i>Mammillaria centricirra</i> var. <i>recurva</i> (Lehm. ex Pfeiff.) K.Schum. wfo--0001431835..... | 218 |
| <i>Mammillaria centricirra</i> var. <i>ceratophora</i> (Lehm.) Schelle wfo--0001431806..... | 218 | <i>Mammillaria centricirra</i> var. <i>schmidtii</i> (Sencke ex Rümpler) Schelle wfo--0001431836..... | 220 |
| <i>Mammillaria centricirra</i> var. <i>cirrosa</i> (Poselg.) Schelle wfo--0001431807..... | 219 | <i>Mammillaria centricirra</i> var. <i>subcurvata</i> (A.Dietr.) Schelle wfo--0001431837..... | 219 |
| <i>Mammillaria centricirra</i> var. <i>conopsea</i> Schelle wfo--0001431808..... | 220 | <i>Mammillaria centricirra</i> var. <i>uberimamma</i> (Monv. ex Rümpler) Schelle wfo--0001431838..... | 220 |
| <i>Mammillaria centricirra</i> var. <i>deflexispina</i> (Lem.) Schelle wfo--0001431809..... | 218 | <i>Mammillaria centricirra</i> var. <i>versicolor</i> (Scheidw.) Schelle wfo--0001431839..... | 218 |
| <i>Mammillaria centricirra</i> var. <i>diadema</i> (Muehlenpf.) Schelle wfo--0001431810..... | 219 | <i>Mammillaria centricirra</i> var. <i>zuccariniana</i> (Mart.) Schelle wfo--0001431840..... | 218 |
| <i>Mammillaria centricirra</i> var. <i>divaricata</i> (A.Dietr.) Schelle wfo--0001431811..... | 219 | <i>Mammillaria centrispina</i> Pfeiff. wfo--0001288731..... | 229 |
| <i>Mammillaria centricirra</i> var. <i>divergens</i> (DC.) K.Schum. wfo--0001431812..... | 218 | <i>Mammillaria cephalophora</i> Salm-Dyck wfo--0001288732..... | 198 |
| <i>Mammillaria centricirra</i> var. <i>ehrenbergii</i> (Pfeiff.) Schelle wfo--0001431813..... | 218 | <i>Mammillaria ceratites</i> Quehl wfo--0001257649..... | 50 |
| <i>Mammillaria centricirra</i> var. <i>falcata</i> (Rümpler) Schelle wfo--0001431814..... | 220 | <i>Mammillaria ceratocentra</i> Bergman wfo--0001288733..... | 64 |
| <i>Mammillaria centricirra</i> var. <i>foersteri</i> (Muehlenpf.) Schelle wfo--0001431815..... | 219 | <i>Mammillaria ceratophora</i> Lehm. wfo--0000369933..... | 218 |
| <i>Mammillaria centricirra</i> var. <i>gebweileriana</i> (J.N.Haage ex Rümpler) Schelle wfo--0001431816..... | 220 | <i>Mammillaria cerralboa</i> (Britton & Rose) Orcutt wfo--0001248233..... | 49 |
| <i>Mammillaria centricirra</i> var. <i>gladiata</i> (Mart.) Schelle wfo--0001431817..... | 218 | <i>Mammillaria cespititia</i> DC. wfo--0001431841..... | 228 |
| <i>Mammillaria centricirra</i> var. <i>glauca</i> (A.Dietr. ex A.Linke) Schelle wfo--0001431818..... | 219 | <i>Mammillaria chaffeyi</i> (Britton & Rose) Backeb. wfo--0000369931..... | 129 |
| <i>Mammillaria centricirra</i> var. <i>guilleminiana</i> (Lem.) Schelle wfo--0001431819..... | 218 | <i>Mammillaria chaletii</i> Plein wfo--0001431842..... | 236 |
| <i>Mammillaria centricirra</i> var. <i>hopperiana</i> (Linke) Salm-Dyck wfo--0001431820..... | 219 | <i>Mammillaria chapinensis</i> Eichlam & Quehl wfo--0001289540..... | 202 |
| <i>Mammillaria centricirra</i> var. <i>inermis</i> Y.Itô wfo--0001434876..... | 220 | <i>Mammillaria chavezii</i> Cowper wfo--0000369920..... | 49 |
| <i>Mammillaria centricirra</i> var. <i>krameri</i> (Muehlenpf.) K.Schum. wfo--0001431821..... | 219 | <i>Mammillaria chiapensis</i> Repp. wfo--0001261226..... | 202 |
| <i>Mammillaria centricirra</i> var. <i>krauseana</i> (K.Schum.) Schelle wfo--0001431822..... | 220 | <i>Mammillaria chica</i> Repp. wfo--0000369921..... | 209 |
| <i>Mammillaria centricirra</i> var. <i>lactescens</i> (Meinsh.) Schelle wfo--0001431823..... | 220 | <i>Mammillaria chionocephala</i> J.A.Purpus wfo--0001286216..... | 208 |
| <i>Mammillaria centricirra</i> var. <i>macracantha</i> (DC.) K.Schum. wfo--0001431824..... | 218 | <i>Mammillaria chlorantha</i> Engelm. wfo--0001288377..... | 129 |
| <i>Mammillaria centricirra</i> var. <i>macrothele</i> Lem. wfo--0001431825..... | 218 | <i>Mammillaria chrysacantha</i> Pfeiff. wfo--0001288734..... | 231 |
| <i>Mammillaria centricirra</i> var. <i>magnimamma</i> (Haw.) K.Schum. wfo--0001431826..... | 218 | <i>Mammillaria cielenensis</i> Mart.-Aval., Golubov, S.Arias & Villarreal wfo--0001431843..... | 238 |
| <i>Mammillaria centricirra</i> var. <i>megacantha</i> (Salm-Dyck) Schelle wfo--0001431827..... | 219 | <i>Mammillaria circumtexta</i> Mart. wfo--0000369919..... | 418 |
| <i>Mammillaria centricirra</i> var. <i>microceras</i> (Lem.) Schelle wfo--0001431828..... | 218 | <i>Mammillaria cirrhifera</i> Mart. wfo--0001288735..... | 202 |
| | | <i>Mammillaria cirrhifera</i> var. <i>angulosior</i> Lem. wfo--0001431844..... | 202 |
| | | <i>Mammillaria cirrhifera</i> var. <i>longiseta</i> (Muehlenpf.) Salm-Dyck wfo--0001431845..... | 203 |
| | | <i>Mammillaria cirrifera</i> Salm-Dyck wfo--0000369924..... | 203 |
| | | <i>Mammillaria cirrosa</i> Poselg. wfo--0000369925..... | 219 |
| | | <i>Mammillaria citrina</i> Scheidw. ex C.F.Först. wfo--0000369926..... | 418 |
| | | <i>Mammillaria clava</i> Pfeiff. wfo--0001288378..... | 65 |
| | | <i>Mammillaria clavata</i> Scheidw. wfo--0001257647..... | 61 |
| | | <i>Mammillaria claviformis</i> Repp. wfo--0000369896..... | 206 |
| | | <i>Mammillaria closiana</i> Roum. wfo--0000369876..... | 215 |

| | | | |
|--|-----|--|-----|
| <i>Mammillaria coahuilensis</i> (Boed.) Moran wfo-- 0001255876..... | 202 | <i>Mammillaria conspicua</i> var. <i>vaupelii</i> (Tiegel) Repp. wfo-- 0001286246..... | 212 |
| <i>Mammillaria coahuilensis</i> subsp. <i>albiarmata</i> (Boed.) D.R.Hunt wfo--0001255880..... | 202 | <i>Mammillaria contacta</i> H.L.Wendl. ex C.F.Först. wfo-- 0000369884..... | 418 |
| <i>Mammillaria coahuilensis</i> subsp. <i>coahuilensis</i> wfo-- 0001255878..... | 202 | <i>Mammillaria convoluta</i> St.-Lag. wfo--0000369886..... | 408 |
| <i>Mammillaria coahuilensis</i> var. <i>albiarmata</i> (Boed.) Hofmann wfo--0001261229..... | 202 | <i>Mammillaria konzattii</i> Orcutt wfo--0000369936..... | 215 |
| <i>Mammillaria coahuilensis</i> var. <i>albiflora</i> (Boed.) Boom wfo-- -0001431846..... | 202 | <i>Mammillaria corbula</i> Herrera wfo--0001287448..... | 186 |
| <i>Mammillaria cobrensis</i> (Repp. ex Hils) Rogoz. & Plein wfo-- -0000746763..... | 235 | <i>Mammillaria cordigera</i> Heese wfo--0000369934..... | 200 |
| <i>Mammillaria coccinea</i> G.Don wfo--0000369889..... | 80 | <i>Mammillaria corioides</i> Bosch ex Sweet wfo--0000369959 | 404 |
| <i>Mammillaria collina</i> J.A.Purpus wfo--0001220500..... | 212 | <i>Mammillaria cornifera</i> DC. wfo--0000369961..... | 62 |
| <i>Mammillaria collinsii</i> (Britton & Rose) Orcutt wfo-- 0001249282..... | 215 | <i>Mammillaria cornifera</i> f. <i>scolymoides</i> (Scheidw.) Schelle wfo--0001431857..... | 62 |
| <i>Mammillaria colonensis</i> R.T.Craig wfo--0001231654..... | 199 | <i>Mammillaria cornifera</i> var. <i>impexicoma</i> (Lem.) Salm-Dyck wfo--0001431858..... | 62 |
| <i>Mammillaria columbiana</i> Salm-Dyck wfo--0000369891202 | 202 | <i>Mammillaria cornifera</i> var. <i>mutica</i> Salm-Dyck wfo-- 0001431859..... | 62 |
| <i>Mammillaria columbiana</i> subsp. <i>columbiana</i> wfo-- 0001434877..... | 202 | <i>Mammillaria cornimamma</i> N.E.Br. wfo--0000369962..... | 63 |
| <i>Mammillaria columbiana</i> subsp. <i>jamaicensis</i> (Areces) Lodé wfo--0001431847..... | 202 | <i>Mammillaria cornuta</i> Hildm. ex Schum. wfo--0001265740 | 63 |
| <i>Mammillaria columbiana</i> subsp. <i>ruestii</i> (Quehl) Lodé wfo-- 0001431848..... | 202 | <i>Mammillaria corollaria</i> Ehrenb. wfo--0001288741..... | 418 |
| <i>Mammillaria columbiana</i> subsp. <i>tamayonis</i> (Killip ex Schnee) Lodé wfo--0001431849..... | 202 | <i>Mammillaria coronaria</i> Haw. wfo--0000369968..... | 233 |
| <i>Mammillaria columbiana</i> subsp. <i>yucatanensis</i> (Britton & Rose) D.R.Hunt wfo--0000369893..... | 202 | <i>Mammillaria coronaria</i> var. <i>beneckeii</i> Schelle wfo-- 0001431860..... | 235 |
| <i>Mammillaria columbiana</i> var. <i>albescens</i> J.N.Haage & Backeb. ex Repp. wfo--0001431850..... | 202 | <i>Mammillaria coronaria</i> var. <i>nigra</i> Schelle wfo-- 0001431861..... | 235 |
| <i>Mammillaria columbiana</i> var. <i>bogotensis</i> (Werderm.) Dugand wfo--0001431851..... | 202 | <i>Mammillaria coronata</i> G.Don f. wfo--0000369957..... | 233 |
| <i>Mammillaria columnaris</i> Mart. wfo--0000369894..... | 226 | <i>Mammillaria coronata</i> Scheidw. wfo--0000369963..... | 50 |
| <i>Mammillaria columnaroides</i> Lawr. wfo--0000369895..... | 418 | <i>Mammillaria coryphides</i> Forbes ex C.F.Först. wfo-- 0000369964..... | 418 |
| <i>Mammillaria compacta</i> Engelm. wfo--0001288379..... | 62 | <i>Mammillaria cowperae</i> Shurly wfo--0000369965..... | 222 |
| <i>Mammillaria compacticaulis</i> Repp. wfo--0000369892..... | 237 | <i>Mammillaria craigii</i> G.E.Linds. wfo--0001255884..... | 232 |
| <i>Mammillaria compressa</i> DC. wfo--0001287024..... | 202 | <i>Mammillaria crassa</i> Repp. wfo--0000369967..... | 237 |
| <i>Mammillaria compressa</i> subsp. <i>centralifera</i> (Repp.) D.R.Hunt wfo--0001255882..... | 203 | <i>Mammillaria crassimammillis</i> Repp. wfo--0001256437..... | 237 |
| <i>Mammillaria compressa</i> subsp. <i>compressa</i> wfo-- 0001255881..... | 203 | <i>Mammillaria crassior</i> Repp. wfo--0001256416..... | 203 |
| <i>Mammillaria compressa</i> var. <i>rubripina</i> Borg wfo-- 0001431852..... | 203 | <i>Mammillaria crassispina</i> Pfeiff. wfo--0001288743..... | 230 |
| <i>Mammillaria confinis</i> J.N.Haage ex Walp. wfo-- 0000369881..... | 404 | <i>Mammillaria crassispina</i> var. <i>gracilior</i> Salm-Dyck wfo-- 0001431862..... | 230 |
| <i>Mammillaria confinis</i> K.Schum. wfo--0000369882..... | 206 | <i>Mammillaria crebrispina</i> DC. wfo--0001288744..... | 50 |
| <i>Mammillaria confusa</i> Orcutt wfo--0001220305..... | 215 | <i>Mammillaria crebrispina</i> var. <i>nitida</i> (Monv.) Labour. wfo-- 0001262725..... | 228 |
| <i>Mammillaria confusa</i> var. <i>centrispina</i> R.T.Craig wfo-- 0001431853..... | 215 | <i>Mammillaria criniformis</i> DC. wfo--0001262736..... | 203 |
| <i>Mammillaria confusa</i> var. <i>konzattii</i> (Britton & Rose) R.T.Craig wfo--0001431854..... | 215 | <i>Mammillaria criniformis</i> var. <i>albida</i> DC. wfo--0001431863 | 203 |
| <i>Mammillaria confusa</i> var. <i>robustispina</i> R.T.Craig wfo-- 0001431855..... | 215 | <i>Mammillaria criniformis</i> var. <i>rosea</i> DC. wfo--0001431864 | 203 |
| <i>Mammillaria conica</i> Haw. wfo--0001288736..... | 220 | <i>Mammillaria crinigera</i> Otto ex C.F.Först. wfo-- 0000367922..... | 418 |
| <i>Mammillaria coniflora</i> Salm-Dyck wfo--0000369887..... | 205 | <i>Mammillaria crinita</i> DC. wfo--0001288745..... | 203 |
| <i>Mammillaria conimamma</i> Linke wfo--0001265737..... | 67 | <i>Mammillaria crinita</i> f. <i>zeilmanniana</i> (Boed.) Glass wfo-- 0001431865..... | 237 |
| <i>Mammillaria conoidea</i> DC. wfo--0001288737..... | 50 | <i>Mammillaria crinita</i> subsp. <i>crinita</i> wfo--0001255885..... | 204 |
| <i>Mammillaria conopsea</i> Scheidw. wfo--0001288738..... | 203 | <i>Mammillaria crinita</i> subsp. <i>leucantha</i> (Boed.) D.R.Hunt wfo--0001255886..... | 204 |
| <i>Mammillaria conopsea</i> var. <i>longispina</i> Scheidw. wfo-- 0001431856..... | 202 | <i>Mammillaria crinita</i> subsp. <i>painteri</i> (Rose) U.Guzmán wfo-- -0001286220..... | 224 |
| <i>Mammillaria conspicua</i> J.A.Purpus wfo--0001256152..... | 212 | <i>Mammillaria crinita</i> subsp. <i>scheinvariana</i> (R.Ortega V. & Glass) W.A.Fitz Maur. & B.Fitz Maur. wfo--0001286221 | 232 |
| | | <i>Mammillaria crinita</i> subsp. <i>wildii</i> (A.Dietr.) D.R.Hunt wfo-- 0001255887..... | 204 |

| | |
|--|--|
| <i>Mammillaria crinita</i> var. <i>pauciseta</i> DC. wfo--0001431866 203 | <i>Mammillaria denudata</i> (Engelm.) A.Berger wfo-- 0000367924 216 |
| <i>Mammillaria crispiseta</i> R.T.Craig wfo--0000369956 223 | <i>Mammillaria depressa</i> Scheidw. wfo--0001288762 236 |
| <i>Mammillaria crocidata</i> Lem. wfo--0001288746 226 | <i>Mammillaria deserti</i> Engelm. wfo--0001287061 132 |
| <i>Mammillaria crucigera</i> Mart. wfo--0001288747 204 | <i>Mammillaria diacantha</i> J.N.Haage ex Steud. wfo-- 0000369940 209 |
| <i>Mammillaria crucigera</i> subsp. <i>crucigera</i> wfo-- 0001255888 204 | <i>Mammillaria diacantha</i> Lem. wfo--0000369939 208 |
| <i>Mammillaria crucigera</i> subsp. <i>tlalocii</i> (Repp.) D.R.Hunt wfo--0001255890 204 | <i>Mammillaria diacentra</i> Jacobi wfo--0000369941 231 |
| <i>Mammillaria crucigera</i> var. <i>grandinosa</i> Linzen, Rogoz. & Frank Wolf wfo--0001431867 204 | <i>Mammillaria diadema</i> Muehlenpf. wfo--0001288764 219 |
| <i>Mammillaria crucigera</i> var. <i>tlalocii</i> (Repp.) Linzen, Rogoz. & Frank Wolf wfo--0001431868 204 | <i>Mammillaria diaphanacantha</i> Lem. wfo--0000369942 50 |
| <i>Mammillaria cubensis</i> Zucc. ex Labour. wfo--0000369978 204 | <i>Mammillaria dichotoma</i> Sweet wfo--0000369938 404 |
| <i>Mammillaria cuneiflora</i> Hitchc. ex J.Forbes wfo-- 0000369979 404 | <i>Mammillaria dietrichiae</i> Tiegel wfo--0000369944 224 |
| <i>Mammillaria curvata</i> Pfeiff. wfo--0000369980 65 | <i>Mammillaria dietrichii</i> Tiegel wfo--0000378131 418 |
| <i>Mammillaria curvispina</i> Otto wfo--0001288752 205 | <i>Mammillaria difficilis</i> Quehl wfo--0001265734 63 |
| <i>Mammillaria curvispina</i> Salm-Dyck wfo--0001431869 205 | <i>Mammillaria digitalis</i> Ehrenb. wfo--0000369945 239 |
| <i>Mammillaria curvispina</i> var. <i>parviflora</i> A.Dietr. wfo-- 0001431870 204 | <i>Mammillaria diguetii</i> (F.A.C.Weber) D.R.Hunt wfo-- 0000369946 232 |
| <i>Mammillaria cylindracea</i> DC. wfo--0001288753 207 | <i>Mammillaria dioica</i> f. <i>angelensis</i> (R.T.Craig) Neutel. wfo-- 0001431873 48 |
| <i>Mammillaria cylindrica</i> Hitchc. ex J.Forbes wfo-- 0000369976 404 | <i>Mammillaria dioica</i> f. <i>estebanensis</i> (G.E.Linds.) Neutel. wfo--0001431874 50 |
| <i>Mammillaria cylindrica</i> Link & Otto wfo--0000369981 418 | <i>Mammillaria dioica</i> f. <i>incerta</i> (Parish) Neutel. wfo-- 0001431875 50 |
| <i>Mammillaria dactylithele</i> Labour. wfo--0001265731 64 | <i>Mammillaria dioica</i> f. <i>phitauiana</i> (E.M.Baxter) Neutel. wfo-- --0001286269 52 |
| <i>Mammillaria daedalea</i> Scheidw. wfo--0000369983 209 | <i>Mammillaria dioica</i> f. <i>verhaertiana</i> (Boed.) Neutel. wfo-- 0001286270 52 |
| <i>Mammillaria daemonoceras</i> Lem. ex C.F.Först. wfo-- 0000369984 63 | <i>Mammillaria dioica</i> K.Brandege wfo--0001286968 50 |
| <i>Mammillaria daimonoceras</i> Lem. ex Salm-Dyck wfo-- 0001262778 63 | <i>Mammillaria dioica</i> subsp. <i>angelensis</i> (R.T.Craig) D.R.Hunt wfo--0001255910 48 |
| <i>Mammillaria dasyacantha</i> Engelm. wfo--0001288754 129 | <i>Mammillaria dioica</i> subsp. <i>dioica</i> wfo--0001255909 50 |
| <i>Mammillaria dawsonii</i> (Houghton) R.T.Craig wfo-- 0001289966 200 | <i>Mammillaria dioica</i> subsp. <i>estebanensis</i> (G.E.Linds.) D.R.Hunt wfo--0001255911 50 |
| <i>Mammillaria dealbata</i> A.Dietr. wfo--0001288755 211 | <i>Mammillaria dioica</i> subsp. <i>swinglei</i> (Britton & Rose) Hoeve wfo--0001431876 53 |
| <i>Mammillaria decipiens</i> Scheidw. wfo--0001288756 204 | <i>Mammillaria dioica</i> var. <i>armillata</i> (K.Brandege) Neutel. wfo--0001431877 49 |
| <i>Mammillaria decipiens</i> subsp. <i>albescens</i> (Tiegel) D.R.Hunt wfo--0001255903 205 | <i>Mammillaria dioica</i> var. <i>capensis</i> (H.E.Gates) Neutel. wfo-- -0001431878 49 |
| <i>Mammillaria decipiens</i> subsp. <i>camptotricha</i> (Dams) D.R.Hunt wfo--0001255904 205 | <i>Mammillaria dioica</i> var. <i>cerralboa</i> (Britton & Rose) Neutel. wfo--0001431879 49 |
| <i>Mammillaria decipiens</i> subsp. <i>decipiens</i> wfo-- 0001255900 205 | <i>Mammillaria dioica</i> var. <i>dioica</i> wfo--0001287360 50 |
| <i>Mammillaria decipiens</i> var. <i>albescens</i> (Tiegel) Repp. wfo-- 0001431871 205 | <i>Mammillaria dioica</i> var. <i>incerta</i> (Parish) Munz wfo-- 0001287359 50 |
| <i>Mammillaria declivis</i> A.Dietr. wfo--0000369970 213 | <i>Mammillaria dioica</i> var. <i>insularis</i> K.Brandege wfo-- 0001288895 52 |
| <i>Mammillaria decora</i> C.F.Först. wfo--0000369971 404 | <i>Mammillaria dioica</i> var. <i>multidigitata</i> (Radley ex G.E.Linds.) Neutel. wfo--0001431880 52 |
| <i>Mammillaria deficiens</i> Salm-Dyck wfo--0000369975 205 | <i>Mammillaria dioica</i> var. <i>neopalmeri</i> (R.T.Craig) Neutel. wfo--0001431881 52 |
| <i>Mammillaria deficum</i> C.F.Först. wfo--0000369972 205 | <i>Mammillaria disciformis</i> DC. wfo--0001288608 360 |
| <i>Mammillaria deflexispina</i> Lem. wfo--0000369969 218 | <i>Mammillaria discolor</i> f. <i>pulchella</i> (Otto ex Linke) Schelle wfo--0001431882 205 |
| <i>Mammillaria deherdtiana</i> Farwig wfo--0001255905 205 | <i>Mammillaria discolor</i> Haw. wfo--0001288765 205 |
| <i>Mammillaria deherdtiana</i> subsp. <i>deherdtiana</i> wfo-- 0001255906 205 | <i>Mammillaria discolor</i> subsp. <i>discolor</i> wfo--0001255912 205 |
| <i>Mammillaria deherdtiana</i> subsp. <i>dodsonii</i> (Bravo) D.R.Hunt wfo--0001255908 205 | <i>Mammillaria discolor</i> subsp. <i>esperanzaensis</i> (Boed.) D.R.Hunt wfo--0001255913 206 |
| <i>Mammillaria deherdtiana</i> var. <i>dodsonii</i> (Bravo) Glass & R.A.Foster wfo--0001431872 205 | <i>Mammillaria discolor</i> subsp. <i>longispina</i> (Repp.) Rogoz. & Plein wfo--0001431883 206 |
| <i>Mammillaria delaetiana</i> Quehl wfo--0001265738 63 | <i>Mammillaria discolor</i> subsp. <i>ochoterena</i> (Bravo) U.Guzmán wfo--0001286224 206 |
| <i>Mammillaria deliusiana</i> Shurly wfo--0000369974 418 | |
| <i>Mammillaria densa</i> Link & Otto wfo--0001288760 207 | |
| <i>Mammillaria densispina</i> (J.M.Coult.) Orcutt wfo-- 0001288758 205 | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria discolor</i> subsp. <i>pachyrhiza</i> (Backeb.) Lodé wfo--0001431884 | 206 | <i>Mammillaria eborina</i> Ehrenb. wfo--0001288770 | 404 |
| <i>Mammillaria discolor</i> subsp. <i>schmollii</i> (Bravo) Linzen wfo-- 0001286229 | 206 | <i>Mammillaria eburnea</i> Miq. wfo--0000369958 | 209 |
| <i>Mammillaria discolor</i> var. <i>aciculata</i> Salm-Dyck wfo-- 0001262730 | 205 | <i>Mammillaria echinaria</i> DC. wfo--0001288771 | 207 |
| <i>Mammillaria discolor</i> var. <i>albida</i> (Haage ex Pfeiff.) Salm- Dyck wfo--0001262728 | 205 | <i>Mammillaria echinata</i> DC. wfo--0000369787 | 207 |
| <i>Mammillaria discolor</i> var. <i>coniflora</i> Salm-Dyck wfo-- 0001431885 | 205 | <i>Mammillaria echinocactoides</i> Pfeiff. wfo--0001288772 | 50 |
| <i>Mammillaria discolor</i> var. <i>curvispina</i> (Otto) Salm-Dyck wfo- --0001262732 | 205 | <i>Mammillaria echinoidea</i> Quehl wfo--0001288383 | 63 |
| <i>Mammillaria discolor</i> var. <i>longispina</i> Repp. wfo-- 0001431886 | 206 | <i>Mammillaria echinoides</i> Quehl wfo--0000369788 | 418 |
| <i>Mammillaria discolor</i> var. <i>nitens</i> (Otto ex Linke) Salm-Dyck wfo--0001262733 | 205 | <i>Mammillaria echinops</i> Scheidw. ex C.F.Först. wfo-- 0000369789 | 227 |
| <i>Mammillaria discolor</i> var. <i>ochoterenae</i> (Bravo) Repp. wfo-- -0001286225 | 206 | <i>Mammillaria echinus</i> Engelm. wfo--0001288384 | 63 |
| <i>Mammillaria discolor</i> var. <i>prolifera</i> Pfeiff. wfo-- 0001431887 | 205 | <i>Mammillaria egregia</i> Backeb. ex Rogoz. & Appenz. wfo-- 0001256237 | 216 |
| <i>Mammillaria discolor</i> var. <i>schmollii</i> (Bravo) Repp. wfo-- 0001286230 | 206 | <i>Mammillaria egregia</i> Backeb. wfo--0001431892 | 216 |
| <i>Mammillaria divaricata</i> A.Dietr. wfo--0001288766 | 219 | <i>Mammillaria ehrenbergii</i> Pfeiff. wfo--0001288773 | 218 |
| <i>Mammillaria divergens</i> DC. wfo--0001288767 | 218 | <i>Mammillaria eichlamii</i> Quehl wfo--0000369792 | 206 |
| <i>Mammillaria dixanthocentron</i> Backeb. ex Mottram wfo-- 0001255915 | 206 | <i>Mammillaria ekmanii</i> Werderm. wfo--0000369793 | 206 |
| <i>Mammillaria dixanthocentron</i> subsp. <i>dixanthocentron</i> wfo--0001286232 | 206 | <i>Mammillaria elegans</i> DC. wfo--0001288774 | 209 |
| <i>Mammillaria dixanthocentron</i> subsp. <i>flavicentra</i> (Backeb.) U.Guzmán wfo--0001286234 | 208 | <i>Mammillaria elegans</i> var. <i>aureispina</i> Borg wfo-- 0001431893 | 210 |
| <i>Mammillaria dixanthocentron</i> var. <i>flavicentra</i> (Backeb.) Repp. wfo--0001286235 | 208 | <i>Mammillaria elegans</i> var. <i>dealbata</i> (A.Dietr.) Borg wfo-- 0001431894 | 211 |
| <i>Mammillaria dixanthocentron</i> var. <i>rubrispina</i> C.B.Wolf wfo--0001286233 | 206 | <i>Mammillaria elegans</i> var. <i>globosa</i> DC. wfo--0001431895 | 209 |
| <i>Mammillaria dodsonii</i> Bravo wfo--0001255907 | 205 | <i>Mammillaria elegans</i> var. <i>klugei</i> (Ehrenb.) Salm-Dyck wfo-- -0001431896 | 209 |
| <i>Mammillaria dolichacantha</i> Lem. ex C.F.Först. wfo-- 0000369947 | 227 | <i>Mammillaria elegans</i> var. <i>lanata</i> (Britton & Rose) B.Hofm. wfo--0001431897 | 236 |
| <i>Mammillaria dolichocentra</i> Lem. wfo--0001288768 | 227 | <i>Mammillaria elegans</i> var. <i>longicaudata</i> Repp. wfo-- 0001431898 | 210 |
| <i>Mammillaria dolichocentra</i> var. <i>galeottii</i> Salm-Dyck ex C.F.Först. wfo--0001431888 | 226 | <i>Mammillaria elegans</i> var. <i>lupina</i> Repp. wfo--0001431899 | 210 |
| <i>Mammillaria donatii</i> Berge ex K.Schum. wfo--0001257801 | 212 | <i>Mammillaria elegans</i> var. <i>meissneri</i> (Ehrenb.) Hofmann wfo--0001261234 | 211 |
| <i>Mammillaria droegeana</i> (K.Schum.) Borg wfo-- 0000369949 | 222 | <i>Mammillaria elegans</i> var. <i>micracantha</i> Lem. wfo-- 0001431900 | 209 |
| <i>Mammillaria dumetorum</i> J.A.Purpus wfo--0001288315232 | | <i>Mammillaria elegans</i> var. <i>minor</i> DC. wfo--0001431901209 | |
| <i>Mammillaria duoformis</i> R.T.Craig & E.Y.Dawson wfo-- 0001288323 | 206 | <i>Mammillaria elegans</i> var. <i>nigrispina</i> Borg wfo-- 0001431902 | 210 |
| <i>Mammillaria duoformis</i> var. <i>rectiformis</i> R.T.Craig & E.Y.Dawson wfo--0001431889 | 206 | <i>Mammillaria elegans</i> var. <i>schmollii</i> R.T.Craig wfo-- 0001286243 | 212 |
| <i>Mammillaria duoformis</i> var. <i>typica</i> R.T.Craig & E.Y.Dawson wfo--0001431890 | 206 | <i>Mammillaria elegans</i> var. <i>supertexta</i> (Mart. ex Pfeiff.) Schelle wfo--0001431903 | 236 |
| <i>Mammillaria duoformis</i> var. <i>xuchiapensis</i> Repp. wfo-- 0001431891 | 206 | <i>Mammillaria elegans</i> var. <i>teyuca</i> Repp. wfo--0001431904 | 210 |
| <i>Mammillaria durangensis</i> Runge ex K.Schum. wfo-- 0001288382 | 63 | <i>Mammillaria elephantidens</i> Lem. wfo--0001288775 | 63 |
| <i>Mammillaria durangicola</i> Repp. wfo--0001286282 | 211 | <i>Mammillaria elephantidens</i> var. <i>bumamma</i> K.Schum. wfo-- -0001431905 | 64 |
| <i>Mammillaria durispina</i> Boed. wfo--0001256338 | 227 | <i>Mammillaria elongata</i> DC. wfo--0001288776 | 206 |
| <i>Mammillaria duwei</i> Rogoz. & P.J.Braun wfo--0001255916 | 206 | <i>Mammillaria elongata</i> f. <i>echinata</i> (DC.) Schelle wfo-- 0001431906 | 207 |
| <i>Mammillaria dyckiana</i> Zucc. ex Pfeiff. wfo--0001288769 | 209 | <i>Mammillaria elongata</i> f. <i>rufocrocea</i> (Salm-Dyck) Schelle wfo--0001431907 | 207 |
| <i>Mammillaria ebenacantha</i> Shurly wfo--0000369950 ... | 215 | <i>Mammillaria elongata</i> f. <i>stella-aurata</i> (Mart. ex Zucc.) Schelle wfo--0001431908 | 207 |
| | | <i>Mammillaria elongata</i> f. <i>subcrocea</i> (DC.) Schelle wfo-- 0001431909 | 206 |
| | | <i>Mammillaria elongata</i> f. <i>tenuis</i> (DC.) Schelle wfo-- 0001431910 | 206 |
| | | <i>Mammillaria elongata</i> subsp. <i>echinaria</i> (DC.) D.R.Hunt wfo--0001255918 | 207 |
| | | <i>Mammillaria elongata</i> subsp. <i>elongata</i> wfo--0001255917 | 207 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria elongata</i> var. <i>anguinea</i> K.Schum. wfo--0001431911..... | 207 | <i>Mammillaria esshaussierii</i> Frič wfo--0001434879 | 413 |
| <i>Mammillaria elongata</i> var. <i>densa</i> (Link & Otto) Schelle wfo--0001431912..... | 207 | <i>Mammillaria estanzuelensis</i> A.Berger wfo--0001286287 | 201 |
| <i>Mammillaria elongata</i> var. <i>echinata</i> (DC.) K.Schum. wfo--0001431913..... | 207 | <i>Mammillaria estebanensis</i> G.E.Linds. wfo--0001243752 | 50 |
| <i>Mammillaria elongata</i> var. <i>erecta</i> Schelle wfo--0001431914..... | 207 | <i>Mammillaria euacantha</i> Backeb. wfo--0001431930 | 418 |
| <i>Mammillaria elongata</i> var. <i>intertexta</i> (DC.) Salm-Dyck wfo--0001431915 | 207 | <i>Mammillaria eucantha</i> Backeb. wfo--0000378137 | 418 |
| <i>Mammillaria elongata</i> var. <i>minima</i> Schelle wfo--0001431916..... | 207 | <i>Mammillaria euclora</i> Ehrenb. wfo--0001288784..... | 404 |
| <i>Mammillaria elongata</i> var. <i>obscuriora</i> Heinrich ex Backeb. wfo--0001431917..... | 207 | <i>Mammillaria eugenia</i> Salm-Dyck wfo--0000369797..... | 230 |
| <i>Mammillaria elongata</i> var. <i>rufescens</i> Salm-Dyck wfo--0001431918..... | 207 | <i>Mammillaria eumorpha</i> Repp. ex Tamegger & R.Knees wfo--0000746767 | 208 |
| <i>Mammillaria elongata</i> var. <i>rufocrocea</i> (Salm-Dyck) K.Schum. wfo--0001431919 | 207 | <i>Mammillaria evanescens</i> C.F.Först. wfo--0000369803... .. | 64 |
| <i>Mammillaria elongata</i> var. <i>schmollii</i> Borg wfo--0001431920..... | 207 | <i>Mammillaria evermanniana</i> (Britton & Rose) Orcutt wfo--0001248214 | 208 |
| <i>Mammillaria elongata</i> var. <i>stella-aurata</i> (Mart. ex Zucc.) K.Schum. wfo--0001431921 | 207 | <i>Mammillaria eximia</i> Ehrenb. wfo--0001288785 | 234 |
| <i>Mammillaria elongata</i> var. <i>subcrocea</i> (DC.) Salm-Dyck wfo--0001431922 | 206 | <i>Mammillaria exsudans</i> Zucc. wfo--0001288386 | 65 |
| <i>Mammillaria elongata</i> var. <i>subechinata</i> (Salm-Dyck) Schelle wfo--0001431923..... | 207 | <i>Mammillaria falcata</i> Rümpler wfo--0000369799 | 220 |
| <i>Mammillaria elongata</i> var. <i>tenuis</i> (DC.) K.Schum. wfo--0001431924..... | 206 | <i>Mammillaria falsicrucigera</i> Backeb. wfo--0000369800 | 418 |
| <i>Mammillaria elongata</i> var. <i>viperina</i> (J.A.Purpus) W.T.Marshall wfo--0001431925..... | 233 | <i>Mammillaria farinosa</i> Fennel wfo--0000369794 | 405 |
| <i>Mammillaria emskoetteriana</i> Quehl wfo--0001268635 | 129 | <i>Mammillaria fasciculata</i> Engelm. ex S.Watson wfo--0001431931 | 92 |
| <i>Mammillaria emundtsiana</i> Hort. ex Rümpler wfo--0000369798..... | 404 | <i>Mammillaria fasciculata</i> Engelm. wfo--0001288786..... | 92 |
| <i>Mammillaria engelmannii</i> Cory wfo--0001234509 | 68 | <i>Mammillaria felipensis</i> Repp. wfo--0000369791 | 223 |
| <i>Mammillaria enneacantha</i> Otto ex C.F.Först. wfo--0000369795..... | 404 | <i>Mammillaria fellneri</i> Ehrenb. wfo--0001288787 | 418 |
| <i>Mammillaria erecta</i> Lem. wfo--0001288778..... | 64 | <i>Mammillaria fennelii</i> Hopffer wfo--0000369801..... | 237 |
| <i>Mammillaria erectacantha</i> C.F.Först. wfo--0001288777 | 237 | <i>Mammillaria fera-rubra</i> Schmoll ex R.T.Craig wfo--0001256359 | 231 |
| <i>Mammillaria erectohamata</i> Boed. wfo--0000369804 | 204 | <i>Mammillaria fertilis</i> Hildm. ex K.Schum. wfo--0001257829 | 199 |
| <i>Mammillaria eriacantha</i> Link & Otto ex Pfeiff. wfo--0000369805..... | 207 | <i>Mammillaria fischeri</i> Pfeiff. wfo--0001288789 | 215 |
| <i>Mammillaria eriacantha</i> subsp. <i>eriacantha</i> wfo--0001434878..... | 207 | <i>Mammillaria fissurata</i> Engelm. wfo--0001288053 | 10 |
| <i>Mammillaria eriacantha</i> subsp. <i>velizii</i> J.Linares wfo--0001431926..... | 207 | <i>Mammillaria fittkaui</i> Glass & R.A.Foster wfo--0001286969 | 208 |
| <i>Mammillaria eriantha</i> Pfeiff. wfo--0000369806 | 404 | <i>Mammillaria fittkaui</i> subsp. <i>fittkaui</i> wfo--0001255920..... | 208 |
| <i>Mammillaria erinacea</i> H.Wendl. wfo--0001262776..... | 221 | <i>Mammillaria fittkaui</i> subsp. <i>limonensis</i> (Repp.) Lüthy wfo--0001255921 | 208 |
| <i>Mammillaria ernestii</i> Fittkau wfo--0001255858 | 199 | <i>Mammillaria fittkaui</i> subsp. <i>mathildae</i> (Kraehenb. & Krainz) Lüthy wfo--0001431932..... | 221 |
| <i>Mammillaria erythra</i> f. <i>ruber</i> Repp. wfo--0001431927 | 223 | <i>Mammillaria flava</i> C.Ehrenb. wfo--0001431933 | 234 |
| <i>Mammillaria erythra</i> Repp. wfo--0000369809 | 223 | <i>Mammillaria flava</i> Otto & A.Dietr. wfo--0000369769 | 234 |
| <i>Mammillaria erythrocalix</i> Buchenau wfo--0000369810..... | 206 | <i>Mammillaria flavescens</i> (DC.) DC. wfo--0001258696 | 223 |
| <i>Mammillaria erythrosperma</i> Boed. wfo--0001255919 | 207 | <i>Mammillaria flavescens</i> var. <i>nivosa</i> (Link ex Pfeiff.) Backeb. wfo--0001258698 | 223 |
| <i>Mammillaria erythrosperma</i> var. <i>similis</i> Boed. wfo--0001431928..... | 208 | <i>Mammillaria flavicentra</i> Backeb. ex Mottram wfo--0001255922 | 208 |
| <i>Mammillaria eschanzneri</i> (J.M.Coult.) R.T.Craig wfo--0001431929..... | 199 | <i>Mammillaria flaviceps</i> Scheidw. ex Labour. wfo--0000369768 | 231 |
| <i>Mammillaria eschauzneri</i> (J.M.Coult.) R.T.Craig wfo--0001255863..... | 199 | <i>Mammillaria flavicomma</i> Hort. ex Rümpler wfo--0000369773 | 404 |
| <i>Mammillaria escobaria</i> Cory wfo--0000369812..... | 130 | <i>Mammillaria flavihamata</i> Backeb. wfo--0000369774 | 229 |
| <i>Mammillaria esperanzaensis</i> Boed. wfo--0001255914 | 206 | <i>Mammillaria flavovirens</i> f. <i>cristata</i> (Salm-Dyck) Schelle wfo--0001431934 | 210 |
| <i>Mammillaria esseriana</i> Boed. wfo--0000369808 | 203 | <i>Mammillaria flavovirens</i> Salm-Dyck wfo--0001257727 | 219 |
| | | <i>Mammillaria flavovirens</i> var. <i>cristata</i> Salm-Dyck wfo--0001431935 | 210 |
| | | <i>Mammillaria floccigera</i> Otto ex Salm-Dyck wfo--0000369775 | 230 |
| | | <i>Mammillaria floresii</i> Fritz Schwarz wfo--0000369776 | 235 |
| | | <i>Mammillaria floresii</i> var. <i>hexacentra</i> Backeb. wfo--0001431936 | 235 |
| | | <i>Mammillaria floribunda</i> Hook. wfo--0001288791 | 126 |
| | | <i>Mammillaria fobeana</i> Boed. wfo--0000369770 | 202 |
| | | <i>Mammillaria foersteri</i> Muehlenpf. wfo--0001288792 | 219 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria fordii</i> Orcutt wfo--0001265819..... | 50 | <i>Mammillaria geminispina</i> var. <i>brevispina</i> (Hildm.) Backeb. wfo--0001431946 | 210 |
| <i>Mammillaria formosa</i> Galeotti ex Scheidw. wfo-- 0001288793..... | 208 | <i>Mammillaria geminispina</i> var. <i>monacantha</i> Lem. & Monv. wfo--0001431947 | 209 |
| <i>Mammillaria formosa</i> subsp. <i>chionocephala</i> (J.A.Purpus) D.R.Hunt wfo--0001256131 | 208 | <i>Mammillaria geminispina</i> var. <i>nobilis</i> (Pfeiff.) Backeb. wfo-- --0001431948..... | 209 |
| <i>Mammillaria formosa</i> subsp. <i>formosa</i> wfo--0001256130 | 208 | <i>Mammillaria geminispina</i> var. <i>tetracantha</i> Lem. & Monv. wfo--0001431949 | 209 |
| <i>Mammillaria formosa</i> subsp. <i>microthele</i> (Muehlenpf. & Tiegel) D.R.Hunt wfo--0001431937 | 208 | <i>Mammillaria gibbosa</i> Salm-Dyck wfo--0001288801..... | 125 |
| <i>Mammillaria formosa</i> subsp. <i>pseudocrucigera</i> (R.T.Craig) D.R.Hunt wfo--0001256132 | 208 | <i>Mammillaria gigantea</i> Hildm. ex K.Schum. wfo-- 0001256136 | 210 |
| <i>Mammillaria formosa</i> var. <i>dispicula</i> Monv. ex Labour. wfo-- --0001431938 | 208 | <i>Mammillaria gigantea</i> subsp. <i>flavovirens</i> Rogoz. & Plein wfo--0001431950 | 210 |
| <i>Mammillaria formosa</i> var. <i>gracilispina</i> Monv. ex Labour. wfo--0001431939 | 208 | <i>Mammillaria gigantea</i> subsp. <i>hamiltonhoeytae</i> (Bravo) Rogoz. & Plein wfo--0001431951 | 210 |
| <i>Mammillaria formosa</i> var. <i>laevior</i> Monv. ex Labour. wfo-- 0001431940..... | 208 | <i>Mammillaria gigantothele</i> C.F.Först. wfo--0000369778217 | |
| <i>Mammillaria formosa</i> var. <i>microthele</i> (Muehlenpf. & Tiegel) Salm-Dyck wfo--0001431941..... | 208 | <i>Mammillaria gilensis</i> Boed. wfo--0000369780 | 229 |
| <i>Mammillaria fortispina</i> Shurly wfo--0000378139 | 418 | <i>Mammillaria giselae</i> Mart.-Aval. & Glass wfo-- 0001256402 | 232 |
| <i>Mammillaria foveolata</i> Muehlenpf. wfo--0001288794..... | 219 | <i>Mammillaria glabrata</i> Salm-Dyck wfo--0001288802..... | 404 |
| <i>Mammillaria fragilis</i> Salm-Dyck wfo--0001257834 | 236 | <i>Mammillaria glabrata</i> var. <i>leucacantha</i> Regel & Klein bis wfo--0001431952 | 404 |
| <i>Mammillaria fraileana</i> (Britton & Rose) Boed. wfo-- 0001248433..... | 50 | <i>Mammillaria gladiata</i> Mart. wfo--0001288803..... | 218 |
| <i>Mammillaria freudenbergeri</i> Repp. wfo--0000369764 | 237 | <i>Mammillaria gladiispina</i> Boed. wfo--0001271926 | 63 |
| <i>Mammillaria freudenbergii</i> Repp. wfo--0000378142 | 237 | <i>Mammillaria glanduligera</i> Otto & A.Dietr. wfo-- 0001288804 | 64 |
| <i>Mammillaria fuauixiana</i> Backeb. wfo--0000369765 | 198 | <i>Mammillaria glareosa</i> Boed. wfo--0001255872 | 200 |
| <i>Mammillaria fuliginosa</i> Salm-Dyck wfo--0000369766 | 221 | <i>Mammillaria glassii</i> R.A.Foster wfo--0001256137..... | 210 |
| <i>Mammillaria fulvispina</i> Haw. wfo--0001288795 | 231 | <i>Mammillaria glassii</i> subsp. <i>ascensionis</i> (Repp.) D.R.Hunt wfo--0001256139 | 210 |
| <i>Mammillaria fulvispina</i> var. <i>pyrrhocentra</i> Salm-Dyck wfo-- 0001431942..... | 230 | <i>Mammillaria glassii</i> subsp. <i>glassii</i> wfo--0001256138 | 210 |
| <i>Mammillaria fulvispina</i> var. <i>rubescens</i> Salm-Dyck wfo-- 0001431943..... | 230 | <i>Mammillaria glassii</i> subsp. <i>nominis-dulcis</i> (A.B.Lau) U.Guzmán wfo--0001286236..... | 210 |
| <i>Mammillaria fulvolanata</i> Hildm. wfo--0001434880..... | 215 | <i>Mammillaria glassii</i> subsp. <i>siberiensis</i> (A.B.Lau) U.Guzmán wfo--0001286239 | 211 |
| <i>Mammillaria funckii</i> Scheidw. wfo--0001288796..... | 223 | <i>Mammillaria glassii</i> var. <i>ascensionis</i> (Repp.) Glass & R.A.Foster wfo--0001257439 | 210 |
| <i>Mammillaria furfuracea</i> S.Watson wfo--0001244956 | 11 | <i>Mammillaria glassii</i> var. <i>nominis-dulcis</i> A.B.Lau wfo-- 0001286238 | 210 |
| <i>Mammillaria fuscata</i> Pfeiff. wfo--0001288797 | 231 | <i>Mammillaria glassii</i> var. <i>siberiensis</i> A.B.Lau wfo-- 0001286240 | 211 |
| <i>Mammillaria fuscata</i> var. <i>russea</i> (A.Dietr.) Backeb. wfo-- 0001431944..... | 231 | <i>Mammillaria glauca</i> A.Dietr. ex Linke wfo--0001288805 | 219 |
| <i>Mammillaria fuscata</i> var. <i>sulphurea</i> (C.F.Först.) Backeb. wfo--0001431945..... | 230 | <i>Mammillaria globosa</i> Linke wfo--0000369877 | 217 |
| <i>Mammillaria fuscohamata</i> Backeb. ex Repp. wfo-- 0001261237..... | 214 | <i>Mammillaria glochidiata</i> f. <i>crinita</i> (K.Schum.) Schelle wfo-- 0001431953 | 211 |
| <i>Mammillaria gabbii</i> Engelm. ex K.Brandege wfo-- 0001265741..... | 200 | <i>Mammillaria glochidiata</i> f. <i>prolifera</i> (K.Schum.) Schelle wfo--0001431954 | 211 |
| <i>Mammillaria galeottii</i> Scheidw. wfo--0001257793..... | 227 | <i>Mammillaria glochidiata</i> Mart. wfo--0000369878 | 211 |
| <i>Mammillaria gaessii</i> Cowper wfo--0001261220..... | 49 | <i>Mammillaria glochidiata</i> var. <i>albida</i> DC. wfo--0001431955 | 211 |
| <i>Mammillaria gasseriana</i> Boed. wfo--0001271933 | 209 | <i>Mammillaria glochidiata</i> var. <i>crinita</i> K.Schum. wfo-- 0001431956 | 211 |
| <i>Mammillaria gasterantha</i> Repp. wfo--0000369783..... | 235 | <i>Mammillaria glochidiata</i> var. <i>inuncinata</i> Lem. wfo-- 0001431957 | 211 |
| <i>Mammillaria gatesii</i> M.E.Jones wfo--0001248211..... | 225 | <i>Mammillaria glochidiata</i> var. <i>prolifera</i> K.Schum. wfo-- 0001431958 | 211 |
| <i>Mammillaria gaumeri</i> (Britton & Rose) Orcutt wfo-- 0001247807..... | 213 | <i>Mammillaria glochidiata</i> var. <i>purpurea</i> Scheidw. wfo-- 0001431959 | 211 |
| <i>Mammillaria geberweileri</i> J.N.Haage ex Rümpler wfo-- 0001265742..... | 220 | <i>Mammillaria glochidiata</i> var. <i>rosea</i> DC. wfo--0001431960 | 211 |
| <i>Mammillaria gebweileri</i> J.N.Haage ex Rümpler wfo-- 0000369784..... | 220 | | |
| <i>Mammillaria geminata</i> Scheidw. wfo--0001288799..... | 214 | | |
| <i>Mammillaria geminispina</i> Haw. wfo--0001288800..... | 209 | | |
| <i>Mammillaria geminispina</i> subsp. <i>geminispina</i> wfo-- 0001256134..... | 210 | | |
| <i>Mammillaria geminispina</i> subsp. <i>leucocentra</i> (A.Berg) D.R.Hunt wfo--0001256135 | 210 | | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria glochidiata</i> var. <i>sericata</i> (Lem.) Lem. wfo-- 0001431961..... | 219 | <i>Mammillaria guanajuatensis</i> Rudge ex K.Schum. wfo-- 0000369888..... | 210 |
| <i>Mammillaria glochidiata</i> var. <i>xiloensis</i> Repp. wfo-- 0001431962..... | 211 | <i>Mammillaria gueldemanniana</i> Backeb. wfo--0000369855 | 51 |
| <i>Mammillaria glomerata</i> DC. wfo--0000369880..... | 228 | <i>Mammillaria gueldemanniana</i> var. <i>guirocobensis</i> (R.T.Craig) Backeb. wfo--0001431976..... | 53 |
| <i>Mammillaria goldii</i> Glass & R.A.Foster wfo--0001256396 | 52 | <i>Mammillaria guelzowiana</i> var. <i>robustior</i> R.Wolf wfo-- 0001431977..... | 51 |
| <i>Mammillaria golziana</i> F.Haage ex R.E.Kunze wfo-- 0001265733..... | 66 | <i>Mammillaria guelzowiana</i> Werderm. wfo--0001256142 | 51 |
| <i>Mammillaria goodrichii</i> Engelm. wfo--0001288806..... | 50 | <i>Mammillaria guerkeana</i> Boed. wfo--0001288388..... | 66 |
| <i>Mammillaria goodrichii</i> var. <i>rectispina</i> E.Y.Dawson wfo-- 0001243748..... | 49 | <i>Mammillaria guerreronis</i> (Bravo) Boed. wfo--0001256143 | 211 |
| <i>Mammillaria goodridgei</i> f. <i>shurliana</i> (H.E.Gates) Neutel. wfo--0001431963..... | 49 | <i>Mammillaria guerreronis</i> var. <i>recta</i> R.T.Craig wfo-- 0001431978..... | 211 |
| <i>Mammillaria goodridgei</i> Scheer ex Salm-Dyck wfo-- 0001431964..... | 50 | <i>Mammillaria guerreronis</i> var. <i>subhamata</i> R.T.Craig wfo-- 0001431979..... | 211 |
| <i>Mammillaria goodridgei</i> var. <i>blossfeldiana</i> (Boed.) Neutel. wfo--0001431965..... | 49 | <i>Mammillaria guerreronis</i> var. <i>zapilotensis</i> (R.T.Craig) Backeb. wfo--0001431980..... | 211 |
| <i>Mammillaria goodridgei</i> var. <i>bullardiana</i> (H.E.Gates) Neutel. wfo--0001431966..... | 49 | <i>Mammillaria guiengolensis</i> Bravo & T.MacDoug. wfo-- 0000369853..... | 199 |
| <i>Mammillaria goodridgei</i> var. <i>hutchisoniana</i> (H.E.Gates) Neutel. wfo--0001431967..... | 51 | <i>Mammillaria guillauminiana</i> Backeb. wfo--0000369854 | 211 |
| <i>Mammillaria goodridgei</i> var. <i>louisae</i> (G.E.Linds.) Neutel. wfo--0001431968..... | 51 | <i>Mammillaria guilleminiana</i> Lem. wfo--0001288811.... | 218 |
| <i>Mammillaria goodridgei</i> var. <i>rectispina</i> E.Y.Dawson wfo-- 0001431969..... | 49 | <i>Mammillaria guirocobensis</i> R.T.Craig wfo--0001248225 | 53 |
| <i>Mammillaria goodridgii</i> Scheer wfo--0001248226..... | 404 | <i>Mammillaria gummifera</i> Engelm. wfo--0001288812... 213 | |
| <i>Mammillaria goodridgii</i> var. <i>rectispina</i> Dawson wfo-- 0001248227..... | 404 | <i>Mammillaria gummifera</i> var. <i>applanata</i> (Engelm.) L.D.Benson wfo--0001286971..... | 213 |
| <i>Mammillaria gracilis</i> f. <i>pulchella</i> (Salm-Dyck) Schelle wfo-- 0001431970..... | 236 | <i>Mammillaria gummifera</i> var. <i>applanata</i> (Engelm.) L.D.Benson wfo--0001431981..... | 213 |
| <i>Mammillaria gracilis</i> Pfeiff. wfo--0001286970..... | 236 | <i>Mammillaria gummifera</i> var. <i>hemisphaerica</i> (Engelm.) L.D.Benson wfo--0001287423..... | 213 |
| <i>Mammillaria gracilis</i> var. <i>fragilis</i> A.Berger wfo-- 0001431971..... | 236 | <i>Mammillaria gummifera</i> var. <i>macdougalii</i> (Rose) L.D.Benson wfo--0001289959..... | 213 |
| <i>Mammillaria gracilis</i> var. <i>pulchella</i> Salm-Dyck wfo-- 0001273791..... | 236 | <i>Mammillaria gummifera</i> var. <i>meiacantha</i> (Engelm.) L.D.Benson wfo--0001286972..... | 213 |
| <i>Mammillaria graessneriana</i> Boed. wfo--0001220507... 202 | | <i>Mammillaria haageana</i> Pfeiff. wfo--0001288813..... | 211 |
| <i>Mammillaria grahamii</i> Engelm. wfo--0001287090..... | 51 | <i>Mammillaria haageana</i> subsp. <i>acultzingensis</i> (Linzen, Rogoz. & F.Wolf) D.R.Hunt wfo--0001256146..... | 212 |
| <i>Mammillaria grahamii</i> subsp. <i>grahamii</i> wfo--0001434881 | 51 | <i>Mammillaria haageana</i> subsp. <i>conspicua</i> (J.A.Purpus) D.R.Hunt wfo--0001256147..... | 212 |
| <i>Mammillaria grahamii</i> subsp. <i>sheldonii</i> (Britton & Rose) D.R.Hunt wfo--0001431972..... | 53 | <i>Mammillaria haageana</i> subsp. <i>elegans</i> D.R.Hunt wfo-- 0001256148..... | 212 |
| <i>Mammillaria grahamii</i> var. <i>arizonica</i> Quehl wfo-- 0001431973..... | 51 | <i>Mammillaria haageana</i> subsp. <i>haageana</i> wfo-- 0001256144..... | 211 |
| <i>Mammillaria grahamii</i> var. <i>oliviae</i> (Orcutt) L.D.Benson wfo--0001287091..... | 51 | <i>Mammillaria haageana</i> subsp. <i>meissneri</i> (Ehrenb.) U.Guzmán wfo--0001286242..... | 211 |
| <i>Mammillaria grandicornis</i> Muehlenpf. wfo--0001288807 | 219 | <i>Mammillaria haageana</i> subsp. <i>san-angelensis</i> (Sánchez- Mej.) D.R.Hunt wfo--0001256149..... | 212 |
| <i>Mammillaria grandiflora</i> Otto ex Pfeiff. wfo--0001288808 | 50 | <i>Mammillaria haageana</i> subsp. <i>schmollii</i> (R.T.Craig) D.R.Hunt wfo--0001256150..... | 212 |
| <i>Mammillaria grandis</i> Hitchc. ex J.Forbes wfo-- 0000369875..... | 404 | <i>Mammillaria haageana</i> subsp. <i>vaupelii</i> (Tiegel) U.Guzmán wfo--0001286245..... | 212 |
| <i>Mammillaria granulata</i> Meinsh. wfo--0001288809..... | 228 | <i>Mammillaria haageana</i> var. <i>collina</i> (J.A.Purpus) Linzen & al. wfo--0001261241..... | 212 |
| <i>Mammillaria greggii</i> (Engelm.) Saff. wfo--0001265637 | 111 | <i>Mammillaria haageana</i> var. <i>schmollii</i> (R.T.Craig) D.R.Hunt wfo--0001286244..... | 212 |
| <i>Mammillaria grisea</i> Salm-Dyck wfo--0001288810..... | 228 | <i>Mammillaria haageana</i> var. <i>validior</i> Monv. ex Labour. wfo-- 0001431982..... | 212 |
| <i>Mammillaria grusonii</i> Runge wfo--0001256140..... | 211 | <i>Mammillaria haasii</i> J.Meyrán wfo--0001261242..... | 235 |
| <i>Mammillaria grusonii</i> subsp. <i>pachycylindrica</i> (Backeb.) Lodé wfo--0001431974..... | 211 | <i>Mammillaria haehneliana</i> Boed. wfo--0000369849..... | 200 |
| <i>Mammillaria grusonii</i> subsp. <i>zeyeriana</i> (F.Haage ex K.Schum.) Lodé wfo--0001431975..... | 211 | <i>Mammillaria haematocina</i> Ehrenb. wfo--0001288814 | 418 |
| <i>Mammillaria guameri</i> Orcutt wfo--0001288407..... | 418 | | |

| | | | |
|--|---------------|--|-----|
| <i>Mammillaria hahniana</i> subsp. <i>bravoae</i> (R.T.Craig) D.R.Hunt wfo--0001256156 | 212 | <i>Mammillaria herrerae</i> var. <i>albiflora</i> Werderm. wfo-- 0000378114 | 198 |
| <i>Mammillaria hahniana</i> subsp. <i>hahniana</i> wfo-- 0001256155 | 212 | <i>Mammillaria herrerae</i> Werderm. wfo--0001289549 | 212 |
| <i>Mammillaria hahniana</i> subsp. <i>mendeliana</i> (Bravo) D.R.Hunt wfo--0001256204 | 212 | <i>Mammillaria herrmannii</i> Ehrenb. wfo--0000369821 | 234 |
| <i>Mammillaria hahniana</i> subsp. <i>woodsii</i> (R.T.Craig) D.R.Hunt wfo--0001256206 | 212 | <i>Mammillaria herrmannii</i> var. <i>flavicans</i> Salm-Dyck wfo-- 0001431998 | 234 |
| <i>Mammillaria hahniana</i> var. <i>werdermanniana</i> F.Schmoll ex R.T.Craig wfo--0001431983 | 212 | <i>Mammillaria hertrichiana</i> R.T.Craig wfo--0001256211 | 235 |
| <i>Mammillaria hahniana</i> Werderm. wfo--0001248755 | 212 | <i>Mammillaria hertrichiana</i> var. <i>robustior</i> R.T.Craig wfo-- 0001431999 | 235 |
| <i>Mammillaria halbingeri</i> Boed. wfo--0001431984 | 212 | <i>Mammillaria heteracantha</i> Mart. ex Pfeiff. wfo-- 0000369822 | 66 |
| <i>Mammillaria halei</i> K.Brandege wfo--0001288371 | 51 | <i>Mammillaria heteracentra</i> Otto ex C.F.Först. wfo-- 0000369838 | 404 |
| <i>Mammillaria halhingeri</i> Boed. wfo--0001256208 | 198 | <i>Mammillaria heteromorpha</i> Scheer wfo--0001288819 | 64 |
| <i>Mammillaria hamata</i> Lehm. wfo--0001288815 | 404 | <i>Mammillaria hexacantha</i> Salm-Dyck wfo--0001288820227 | 217 |
| <i>Mammillaria hamata</i> var. <i>principis</i> Labour. wfo-- 0001431985 | 206 | <i>Mammillaria hexacentra</i> Otto wfo--0000369842 | 217 |
| <i>Mammillaria hamiltonhoytea</i> (Bravo) Werderm. wfo-- 0001431986 | 210 | <i>Mammillaria heyderi</i> f. <i>applanata</i> (Engelm.) Schelle wfo-- 0001432000 | 213 |
| <i>Mammillaria hamiltonhoytieae</i> (Bravo) Werderm. wfo-- 0000369864 | 210 | <i>Mammillaria heyderi</i> f. <i>hemisphaerica</i> (Engelm.) Schelle wfo--0001432001 | 213 |
| <i>Mammillaria hamiltonhoytieae</i> var. <i>fulvaflora</i> R.T.Craig wfo- --0001431987 | 210 | <i>Mammillaria heyderi</i> Muehlenpf. wfo--0001287092 | 212 |
| <i>Mammillaria hamiltonhoytieae</i> var. <i>pilensis</i> (Shurly) Repp. wfo--0001431988 | 225 | <i>Mammillaria heyderi</i> subsp. <i>coahuilensis</i> (Boed.) Lüthy wfo--0001432002 | 202 |
| <i>Mammillaria hamuligera</i> Boed. wfo--0000369867 | 52 | <i>Mammillaria heyderi</i> subsp. <i>gaumeri</i> (Britton & Rose) D.R.Hunt wfo--0001256213 | 213 |
| <i>Mammillaria haseloffii</i> Ehrenb. wfo--0001265813 | 232 | <i>Mammillaria heyderi</i> subsp. <i>gummifera</i> (Engelm.) D.R.Hunt wfo--0001256214 | 213 |
| <i>Mammillaria hastifera</i> Krainz & A.Keller wfo--0000369870 | 210 | <i>Mammillaria heyderi</i> subsp. <i>hemisphaerica</i> (Engelm.) D.R.Hunt wfo--0001256215 | 213 |
| <i>Mammillaria haudeana</i> A.B.Lau & K.Wagner wfo-- 0001256395 | 52 | <i>Mammillaria heyderi</i> subsp. <i>heyderi</i> wfo--0001256212 | 213 |
| <i>Mammillaria</i> Haw. wfo--4000022997 | 197, 202, 221 | <i>Mammillaria heyderi</i> subsp. <i>macdougalii</i> (Rose) D.R.Hunt wfo--0001256216 | 213 |
| <i>Mammillaria haynei</i> (Otto ex Salm-Dyck) Ehrenb. wfo-- 0001431989 | 239 | <i>Mammillaria heyderi</i> subsp. <i>meiacantha</i> (Engelm.) D.R.Hunt wfo--0001256217 | 213 |
| <i>Mammillaria haynei</i> f. <i>minima</i> (Salm-Dyck) Schelle wfo-- 0001431990 | 239 | <i>Mammillaria heyderi</i> var. <i>applanata</i> (Engelm.) Engelm. wfo--0001257715 | 213 |
| <i>Mammillaria haynei</i> f. <i>viridula</i> (Ehrenb.) Schelle wfo-- 0001431991 | 239 | <i>Mammillaria heyderi</i> var. <i>bullingtoniana</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001288358 | 213 |
| <i>Mammillaria haynei</i> var. <i>minima</i> Salm-Dyck wfo-- 0001431992 | 239 | <i>Mammillaria heyderi</i> var. <i>gummifera</i> (Engelm.) L.D.Benson wfo--0001432003 | 213 |
| <i>Mammillaria haynei</i> var. <i>viridula</i> (Ehrenb.) Salm-Dyck wfo- --0001431993 | 239 | <i>Mammillaria heyderi</i> var. <i>hemisphaerica</i> Engelm. wfo-- 0001287093 | 213 |
| <i>Mammillaria haynii</i> Ehrenb. wfo--0000369831 | 233 | <i>Mammillaria heyderi</i> var. <i>heyderi</i> wfo--0001262068 | 212 |
| <i>Mammillaria heeseana</i> McDowell wfo--0000369829 | 225 | <i>Mammillaria heyderi</i> var. <i>macdougalii</i> (Rose) L.D.Benson wfo--0001287094 | 213 |
| <i>Mammillaria heidiae</i> Krainz wfo--0001256209 | 237, 238 | <i>Mammillaria heyderi</i> var. <i>meiacantha</i> (Engelm.) L.D.Benson wfo--0001287095 | 213 |
| <i>Mammillaria heinei</i> Ehrenb. wfo--0001288818 | 233 | <i>Mammillaria heyderi</i> var. <i>waltheri</i> (Boed.) Mottram wfo-- 0001432004 | 213 |
| <i>Mammillaria helicteres</i> DC. wfo--0000369816 | 408 | <i>Mammillaria hidalgensis</i> J.A.Purpus wfo--0001265744 | 227 |
| <i>Mammillaria hemisphaerica</i> Engelm. wfo--0000369817 | 213 | <i>Mammillaria hirschtiana</i> F.Haage wfo--0000369846 | 132 |
| <i>Mammillaria hemisphaerica</i> var. <i>albispina</i> Frič wfo-- 0001431994 | 213 | <i>Mammillaria hirsuta</i> Boed. wfo--0001257856 | 199 |
| <i>Mammillaria hemisphaerica</i> var. <i>nigrispina</i> Frič wfo-- 0001431995 | 213 | <i>Mammillaria hirsuta</i> var. <i>grandis</i> Repp. wfo--0001286214 | 200 |
| <i>Mammillaria hemisphaerica</i> var. <i>waltheri</i> (Boed.) R.T.Craig wfo--0001431996 | 213 | <i>Mammillaria hoffmannseggii</i> Hoffmanns. wfo-- 0000369844 | 227 |
| <i>Mammillaria hennisii</i> Boed. wfo--0000369824 | 202 | <i>Mammillaria hoolii</i> Linds. wfo--0001248754 | 418 |
| <i>Mammillaria hepatica</i> C.Ehrenb. wfo--0000369818 | 233 | <i>Mammillaria hopferiana</i> Linke wfo--0000369835 | 219 |
| <i>Mammillaria hermosana</i> Linzen, Hoeve & Mart.-Aval. wfo- --0001431997 | 216 | <i>Mammillaria horripila</i> Lem. wfo--0001256576 | 172 |
| <i>Mammillaria hernandezii</i> Glass & R.A.Foster wfo-- 0001256210 | 212 | <i>Mammillaria huajuapensis</i> Bravo wfo--0001261265 | 223 |
| | | <i>Mammillaria hubertmulleri</i> Repp. wfo--0000369836 | 224 |

| | | | | |
|---|---|--|--|-----|
| <i>Mammillaria huiguerensis</i> Repp. wfo--0000369837 | 225 | <i>Mammillaria jozef-bergeri</i> Wojn. & Prajer wfo-- | 0001286276 | 215 |
| <i>Mammillaria huitzilopochtli</i> D.R.Hunt wfo--0001256218 | 213 | <i>Mammillaria jucunda</i> Ehrenb. wfo--0001288829 | 404 | |
| ..... | 213 | <i>Mammillaria karstenii</i> Poselg. wfo--0000369224 | 404 | |
| <i>Mammillaria huitzilopochtli</i> subsp. <i>huitzilopochtli</i> wfo-- | 0001286248 | <i>Mammillaria karwinskiana</i> Mart. wfo--0001288830 | 214 | |
| 0001286248 | 213 | <i>Mammillaria karwinskiana</i> subsp. <i>beiselii</i> (Diers) D.R.Hunt | wfo--0001256227 | 215 |
| <i>Mammillaria huitzilopochtli</i> subsp. <i>niduliformis</i> (A.B.Lau) | Pilbeam wfo--0001286249 | <i>Mammillaria karwinskiana</i> subsp. <i>collinsii</i> (Britton & Rose) | D.R.Hunt wfo--0001256229 | 215 |
| 0001261246 | 213 | <i>Mammillaria karwinskiana</i> subsp. <i>karwinskiana</i> wfo-- | 0001256226 | 215 |
| <i>Mammillaria humboldtii</i> Ehrenb. wfo--0001288822 | 214 | <i>Mammillaria karwinskiana</i> subsp. <i>nejapensis</i> (R.T.Craig & | E.Y.Dawson) D.R.Hunt wfo--0001256230 | 215 |
| <i>Mammillaria humilior</i> C.F.Först. ex K.Schum. wfo-- | 0000378113 | <i>Mammillaria karwinskiana</i> var. <i>centripina</i> (Pfeiff.) Salm- | Dyck wfo--0001432010 | 229 |
| 0000378113 | 62 | <i>Mammillaria karwinskiana</i> var. <i>flavescens</i> Zucc. ex Pfeiff. | wfo--0001432011 | 214 |
| <i>Mammillaria huntiana</i> García-Mor., A.Estrada, Gonz.-Bot. | & Vargas-Vázquez. wfo--0001432005 | <i>Mammillaria karwinskiana</i> var. <i>virens</i> (Scheidw.) Salm- | Dyck wfo--0001432012 | 214 |
| 0001432005 | 231 | <i>Mammillaria karwinskii</i> Lawr. wfo--0000369236 | 214 | |
| <i>Mammillaria hutchisoniana</i> (H.E.Gates) Boed. wfo-- | 0001286973 | <i>Mammillaria kelleriana</i> Schmoll wfo--0000369247 | 227 | |
| 0001286973 | 51 | <i>Mammillaria kewensis</i> Salm-Dyck wfo--0001257787 | 227 | |
| <i>Mammillaria hutchisoniana</i> subsp. <i>louisae</i> (G.E.Linds.) | D.R.Hunt wfo--0001256220 | <i>Mammillaria kewensis</i> var. <i>craigiana</i> F.Schmoll ex | R.T.Craig wfo--0001432013 | 226 |
| 0001256220 | 51 | <i>Mammillaria kieferiana</i> Boed. wfo--0001432014 | 66 | |
| <i>Mammillaria hutchisoniana</i> var. <i>bullardiana</i> (H.E.Gates) | Repp. wfo--0001261249 | <i>Mammillaria kleinii</i> Regel wfo--0001288831 | 404 | |
| 0001261249 | 49 | <i>Mammillaria kleiniorum</i> Appenz. wfo--0000369249 | 214 | |
| <i>Mammillaria hyatricina</i> Lawr. wfo--0000369840 | 418 | <i>Mammillaria kleinschmidtiana</i> Zeiss. wfo--0000369250 | ..... | 203 |
| <i>Mammillaria hybrida</i> Pfeiff. wfo--0000369841 | 229 | <i>Mammillaria klissingiana</i> Boed. wfo--0001249283 | 215 | |
| <i>Mammillaria hystrix</i> Mart. ex Pfeiff. wfo--0001288824 | 218 | <i>Mammillaria klugei</i> Ehrenb. wfo--0001432015 | 209 | |
| <i>Mammillaria icamolensis</i> Boed. wfo--0000369462 | 200 | <i>Mammillaria klugii</i> Ehrenb. wfo--0001288832 | 209 | |
| <i>Mammillaria ignota</i> Repp. wfo--0001255849 | 198 | <i>Mammillaria knebeliana</i> Boed. wfo--0000369246 | 200 | |
| <i>Mammillaria igualensis</i> Repp. wfo--0000369229 | 198 | <i>Mammillaria knippeliana</i> Quehl wfo--0001256231 | 215 | |
| <i>Mammillaria igualensis</i> var. <i>palmillensis</i> Repp. wfo-- | 0001432006 | <i>Mammillaria kraehenbuehlii</i> (Krainz) Krainz wfo-- | 0001256232 | 216 |
| 0001432006 | 198 | <i>Mammillaria kramerii</i> Muehlenpf. wfo--0001288833 | 219 | |
| <i>Mammillaria imbricata</i> Wegener wfo--0000369230 | 230 | <i>Mammillaria krasuckae</i> Repp. wfo--0000369251 | 229 | |
| <i>Mammillaria impexicoma</i> Lem. wfo--0000369231 | 62 | <i>Mammillaria krauseana</i> K.Schum. wfo--0000369252 | 220 | |
| <i>Mammillaria inaiiae</i> P.T.Craig wfo--0001248236 | 53 | <i>Mammillaria kuentziana</i> P.Fearn & B.Fearn wfo-- | 0000369241 | 236 |
| <i>Mammillaria incerta</i> Parish wfo--0001287345 | 50 | <i>Mammillaria kunthii</i> Ehrenb. wfo--0001288834 | 211 | |
| <i>Mammillaria inclinis</i> Lem. wfo--0001289539 | 215 | <i>Mammillaria kunzeana</i> Boed. & Quehl wfo--0001257854 | ..... | 199 |
| <i>Mammillaria inconspicua</i> Scheidw. wfo--0000369227 | 50 | <i>Mammillaria kupcakii</i> Halda & Sladk. wfo--0000369238 | ..... | 216 |
| <i>Mammillaria incurva</i> Scheidw. wfo--0001288825 | 404 | <i>Mammillaria lactescens</i> Meinsh. wfo--0001288835 | 220 | |
| <i>Mammillaria infernilensis</i> R.T.Craig wfo--0000369234 | 225 | <i>Mammillaria laeta</i> Meinsh. ex Rümpler wfo--0000369239 | ..... | 217 |
| <i>Mammillaria ingens</i> Backeb. wfo--0000369235 | 227 | <i>Mammillaria lamprochaeta</i> Jacobi wfo--0000369240 | 404 | |
| <i>Mammillaria insularis</i> H.E.Gates wfo--0001248229 | 51 | <i>Mammillaria lanata</i> (Britton & Rose) Orcutt wfo-- | 0001289269 | 236 |
| <i>Mammillaria intertexta</i> DC. wfo--0001288826 | 207 | <i>Mammillaria laneusumma</i> R.T.Craig wfo--0000369245 | 235 | |
| <i>Mammillaria intricata</i> Otto ex C.F.Först. wfo--0000369223 | ..... | <i>Mammillaria lanifera</i> Haw. wfo--0001288839 | 222 | |
| ..... | 404 | <i>Mammillaria lanigera</i> Repp. wfo--0000369242 | 198 | |
| <i>Mammillaria inuncta</i> Hoffmanns. wfo--0000369233 | 229 | <i>Mammillaria lanigera</i> var. <i>juxtlahuacensis</i> Repp. wfo-- | 0001432016 | 198 |
| <i>Mammillaria irregularis</i> DC. wfo--0001288827 | 418 | <i>Mammillaria lanisumma</i> R.T.Craig wfo--0001432017 | 235 | |
| <i>Mammillaria isabellina</i> Ehrenb. wfo--0001288828 | 234 | <i>Mammillaria lasiacantha</i> Engelm. wfo--0001287096 | 216 | |
| <i>Mammillaria isotensis</i> Repp. wfo--0000369221 | 199 | <i>Mammillaria lasiacantha</i> f. <i>cuchillensis</i> Rogoz. & Plein wfo-- | 0001432018 | 216 |
| <i>Mammillaria jalappensis</i> Pfeiff. wfo--0000369222 | 214 | | | |
| <i>Mammillaria jaliscana</i> (Britton & Rose) Boed. wfo-- | 0001256221 | | | |
| 0001256221 | 214 | | | |
| <i>Mammillaria jaliscana</i> subsp. <i>jaliscana</i> wfo--0001434882 | ..... |  |  |  |
| ..... | 214 | | | |
| <i>Mammillaria jaliscana</i> subsp. <i>zacatecasensis</i> (Shurly) | D.R.Hunt wfo--0001256223 | | | |
| 0001256223 | 214 | | | |
| <i>Mammillaria jamaicensis</i> Areces wfo--0000369226 | 202 | | | |
| <i>Mammillaria johnstonii</i> (Britton & Rose) Orcutt wfo-- | 0001220304 | | | |
| 0001220304 | 214 | | | |
| <i>Mammillaria johnstonii</i> var. <i>guaymensis</i> R.T.Craig wfo-- | 0001432007 | | | |
| 0001432007 | 214 | | | |
| <i>Mammillaria johnstonii</i> var. <i>sancarlensis</i> R.T.Craig wfo-- | 0001432008 | | | |
| 0001432008 | 214 | | | |
| <i>Mammillaria johnstonii</i> var. <i>typica</i> R.T.Craig wfo-- | 0001432009 | | | |
| 0001432009 | 214 | | | |
| <i>Mammillaria joossensiana</i> Quehl wfo--0000369219 | 404 | | | |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria lasiacantha</i> f. <i>denudata</i> (Engelm.) Schelle wfo--0001432019..... | 216 | <i>Mammillaria leucocephala</i> Schmolli ex Backeb. wfo-- 0000369213..... | 418 |
| <i>Mammillaria lasiacantha</i> f. <i>diablensis</i> Rogoz. & Plein wfo-- 0001432020..... | 216 | <i>Mammillaria leucodasys</i> Salm-Dyck ex Scheer wfo-- 0000369201..... | 404 |
| <i>Mammillaria lasiacantha</i> f. <i>magallanii</i> (Schmolli ex R.T.Craig) W.A.Fitz Maur. & B.Fitz Maur. wfo-- 0001432021..... | 216 | <i>Mammillaria leucodictia</i> Link wfo--0001288846..... | 404 |
| <i>Mammillaria lasiacantha</i> f. <i>stella-de-tacubaya</i> (Heese) W.A.Fitz Maur. & B.Fitz Maur. wfo--0001432022..... | 216 | <i>Mammillaria leucotricha</i> Scheidw. wfo--0001288847.. | 223 |
| <i>Mammillaria lasiacantha</i> f. <i>wohlschlageri</i> (Repp.) Hoeve wfo--0001432023..... | 216 | <i>Mammillaria lewinii</i> (Henn.) H.Karst. wfo--0000378110 | 193 |
| <i>Mammillaria lasiacantha</i> subsp. <i>egregia</i> (Backeb. ex Rogoz. & Appenz.) D.R.Hunt wfo--0001256235..... | 216 | <i>Mammillaria lewisiana</i> H.E.Gates wfo--0001248217 ... | 200 |
| <i>Mammillaria lasiacantha</i> subsp. <i>hyalina</i> D.R.Hunt wfo-- 0001256238..... | 216 | <i>Mammillaria lhuajuapensis</i> Bravo wfo--0000369215... 418 | 418 |
| <i>Mammillaria lasiacantha</i> subsp. <i>lasiacantha</i> wfo-- 0001256234..... | 216 | <i>Mammillaria limonensis</i> Repp. wfo--0001289407..... | 208 |
| <i>Mammillaria lasiacantha</i> subsp. <i>magallanii</i> (Schmolli ex R.T.Craig) D.R.Hunt wfo--0001256240..... | 216 | <i>Mammillaria linaresensis</i> R.Wolf & F.Wolf wfo-- 0001256265..... | 217 |
| <i>Mammillaria lasiacantha</i> subsp. <i>viescensis</i> (Rogoz. & Appenz.) Rogoz. & Plein wfo--0001432024..... | 209 | <i>Mammillaria lindheimeri</i> Engelm. ex Hemsl. wfo-- 0000369216..... | 213 |
| <i>Mammillaria lasiacantha</i> var. <i>denudata</i> Engelm. wfo-- 0001288841..... | 216 | <i>Mammillaria lindsayi</i> f. <i>narlinii</i> Rogoz. & Plein wfo-- 0001432030..... | 235 |
| <i>Mammillaria lasiacantha</i> var. <i>gasseriana</i> (Boed.) Rogoz. & Plein wfo--0001432025..... | 209 | <i>Mammillaria lindsayi</i> R.T.Craig wfo--0001256249..... | 235 |
| <i>Mammillaria lasiacantha</i> var. <i>hamatispina</i> Rogoz. & Plein wfo--0001432026..... | 216 | <i>Mammillaria lindsayi</i> var. <i>cobrensis</i> Repp. ex Hils wfo-- 0001261253..... | 235 |
| <i>Mammillaria lasiacantha</i> var. <i>minor</i> Engelm. wfo-- 0001432027..... | 216 | <i>Mammillaria lindsayi</i> var. <i>robustior</i> R.T.Craig wfo-- 0001432031..... | 235 |
| <i>Mammillaria lasiandra</i> var. <i>denudata</i> (Engelm.) Quehl wfo- --0001432028..... | 216 | <i>Mammillaria lindsayi</i> var. <i>rubriflora</i> Hils. wfo-- 0001261260..... | 235 |
| <i>Mammillaria lassonneriei</i> Rebut ex K.Schum. wfo-- 0000378106..... | 404 | <i>Mammillaria linkeana</i> Ehrenb. wfo--0001288043..... | 234 |
| <i>Mammillaria latimamma</i> DC. wfo--0001288842..... | 67 | <i>Mammillaria linkei</i> Ehrenb. ex Salm-Dyck wfo-- 0000369218..... | 232 |
| <i>Mammillaria latimamma</i> var. <i>spiniosior</i> Monv. ex Salm- Dyck wfo--0001432029..... | 67 | <i>Mammillaria littoralis</i> K.Brandege wfo--0001288044 | 221 |
| <i>Mammillaria latispina</i> (Haw.) Tate wfo--0000378108.. | 140 | <i>Mammillaria livida</i> Fennel wfo--0001288848..... | 405 |
| <i>Mammillaria laui</i> D.R.Hunt wfo--0001256242..... | 216 | <i>Mammillaria lloydii</i> (Britton & Rose) Orcutt wfo-- 0001256250..... | 405 |
| <i>Mammillaria laui</i> f. <i>dasyacantha</i> D.R.Hunt wfo-- 0001256244..... | 217 | <i>Mammillaria longicoma</i> (Britton & Rose) A.Berger wfo-- 0001286215..... | 199 |
| <i>Mammillaria laui</i> f. <i>subducta</i> D.R.Hunt wfo--0001256246 | 217 | <i>Mammillaria longicoma</i> var. <i>flavispina</i> Y.Itô wfo-- 0001434883..... | 200 |
| <i>Mammillaria laui</i> subsp. <i>dasyacantha</i> (D.R.Hunt) D.R.Hunt wfo--0001256245..... | 217 | <i>Mammillaria longicoma</i> var. <i>multiflora</i> Y.Itô wfo-- 0001434884..... | 200 |
| <i>Mammillaria laui</i> subsp. <i>laui</i> wfo--0001256243..... | 217 | <i>Mammillaria longiflora</i> (Britton & Rose) A.Berger wfo-- 0001256252..... | 217 |
| <i>Mammillaria laui</i> subsp. <i>subducta</i> (D.R.Hunt) D.R.Hunt wfo--0001256247..... | 217 | <i>Mammillaria longiflora</i> f. <i>stampferi</i> (Repp.) D.R.Hunt wfo-- -0001257436..... | 217 |
| <i>Mammillaria lehmannii</i> Pfeiff. wfo--0001288844..... | 218 | <i>Mammillaria longiflora</i> subsp. <i>longiflora</i> wfo-- 0001256254..... | 217 |
| <i>Mammillaria leidiaie</i> Krainz wfo--0000378109..... | 238 | <i>Mammillaria longiflora</i> subsp. <i>stampferi</i> (Repp.) D.R.Hunt wfo--0001256255..... | 217 |
| <i>Mammillaria lengdoblariana</i> Boed. wfo--0000369210.. | 216 | <i>Mammillaria longiflora</i> subsp. <i>tepexicensis</i> (J.Meyrán) Lüthy wfo--0001432032..... | 217 |
| <i>Mammillaria lenta</i> K.Brandege wfo--0001256248..... | 217 | <i>Mammillaria longimamma</i> DC. wfo--0001287097..... | 217 |
| <i>Mammillaria leona</i> Poselg. wfo--0001249086..... | 228 | <i>Mammillaria longimamma</i> f. <i>globosa</i> (K.Schum.) Schelle wfo--0001432033..... | 217 |
| <i>Mammillaria leptacantha</i> (A.B.Lau) Repp. wfo-- 0000369202..... | 229 | <i>Mammillaria longimamma</i> f. <i>hexacentra</i> (Otto) Schelle wfo--0001432034..... | 217 |
| <i>Mammillaria lesaunieri</i> Rebut ex K.Schum. wfo-- 0000369208..... | 404 | <i>Mammillaria longimamma</i> f. <i>melaleuca</i> (Karw. ex Salm- Dyck) Schelle wfo--0001432035..... | 221 |
| <i>Mammillaria leucacantha</i> DC. wfo--0000369207..... | 65 | <i>Mammillaria longimamma</i> f. <i>uberiformis</i> (Zucc. ex Pfeiff.) Schelle wfo--0001432036..... | 217 |
| <i>Mammillaria leucantha</i> Boed. wfo--0001286974..... | 204 | <i>Mammillaria longimamma</i> var. <i>congesta</i> Salm-Dyck wfo-- 0001432037..... | 217 |
| <i>Mammillaria leucocarpa</i> Scheidw. ex Salm-Dyck wfo-- 0000369203..... | 223 | <i>Mammillaria longimamma</i> var. <i>gigantothele</i> O.Berg ex C.F.Först. wfo--0001432038..... | 217 |
| <i>Mammillaria leuco-centra</i> A.Berg wfo--0001288845..... | 210 | <i>Mammillaria longimamma</i> var. <i>globosa</i> K.Schum. wfo-- 0001432039..... | 217 |
| <i>Mammillaria leucocephala</i> Pfeiff. wfo--0000369204..... | 209 | | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria longimamma</i> var. <i>hexacantha</i> O.Berg wfo--0001432040..... | 217 | <i>Mammillaria malletiana</i> f. <i>fulvolanata</i> (Hildm.) Schelle wfo--0001432053..... | 215 |
| <i>Mammillaria longimamma</i> var. <i>longimamma</i> wfo--0001288293..... | 217 | <i>Mammillaria malletiana</i> var. <i>pyrrhocephala</i> (Scheidw.) Schelle wfo--0001432054..... | 214 |
| <i>Mammillaria longimamma</i> var. <i>sphaerica</i> (A.Dietr.) L.D.Benson wfo--0001287098..... | 233 | <i>Mammillaria mamillaria</i> Scheeren wfo--0001288963.. | 418 |
| <i>Mammillaria longimamma</i> var. <i>uberiformis</i> (Zucc. ex Pfeiff.) K.Schum. wfo--0001432041..... | 217 | <i>Mammillaria mamillaris</i> (L.) H.Karst. wfo--0000369283..... | 220 |
| <i>Mammillaria longiseta</i> Muehlenpf. wfo--0001288849. | 203 | <i>Mammillaria manana</i> W.A.Fitz Maur. & B.Fitz Maur. wfo--0000507562..... | 208 |
| <i>Mammillaria longispina</i> Rchb. ex Terscheck wfo--0000369211..... | 227 | <i>Mammillaria marcosii</i> W.A.Fitz Maur., B.Fitz Maur. & Glass wfo--0001254428..... | 221 |
| <i>Mammillaria loricata</i> Mart. ex Pfeiff. wfo--0001288850 | 66 | <i>Mammillaria maritima</i> (G.E.Linds.) D.R.Hunt wfo--0001286222..... | 52 |
| <i>Mammillaria louisae</i> G.E.Linds. wfo--0001286975..... | 51 | <i>Mammillaria marksiana</i> Krainz wfo--0001256258..... | 221 |
| <i>Mammillaria ludwigii</i> Ehrenb. wfo--0001288851..... | 219 | <i>Mammillaria marnieriana</i> Backeb. wfo--0000369279.... | 53 |
| <i>Mammillaria ludwigii</i> var. <i>clavata</i> Walp. wfo--0001432042..... | 219 | <i>Mammillaria marshalliana</i> (H.E.Gates) Boed. wfo--0000369280..... | 225 |
| <i>Mammillaria luethyi</i> G.S.Hinton wfo--0001254427..... | 217 | <i>Mammillaria martiana</i> Pfeiff. wfo--0001288855..... | 65 |
| <i>Mammillaria lutescens</i> J.Forbes wfo--0000369260..... | 405 | <i>Mammillaria martinezii</i> Backeb. wfo--0000369281..... | 236 |
| <i>Mammillaria luthieniae</i> Laferr. wfo--0000369206..... | 49 | <i>Mammillaria maschalacantha</i> Monv. wfo--0001288856..... | 223 |
| <i>Mammillaria macdougallii</i> Rose wfo--0001289958..... | 213 | <i>Mammillaria maschalacantha</i> var. <i>leucotricha</i> (Scheidw.) Monv. ex Labour. wfo--0001432055..... | 223 |
| <i>Mammillaria macdowellii</i> K.Schum. wfo--0000369287 | 210 | <i>Mammillaria maschalacantha</i> var. <i>xanthotricha</i> (Scheidw.) Monv. ex Labour. wfo--0001432056..... | 223 |
| <i>Mammillaria machucae</i> W.A.Fitz Maur. & B.Fitz Maur. wfo--0000369288..... | 224 | <i>Mammillaria mathildae</i> Kraehenb. & Krainz wfo--0001286976..... | 221 |
| <i>Mammillaria macracantha</i> DC. wfo--0001288852..... | 218 | <i>Mammillaria matudae</i> Bravo wfo--0001249284..... | 221 |
| <i>Mammillaria macracantha</i> var. <i>retrocurva</i> Keller-Hoerschelmann wfo--0001432043..... | 220 | <i>Mammillaria matudae</i> f. <i>duocentralis</i> Fittkau wfo--0001432057..... | 221 |
| <i>Mammillaria macrantha</i> Salm-Dyck ex C.F.Först. wfo--0000369289..... | 219 | <i>Mammillaria matudae</i> var. <i>serpentiformis</i> Fittkau wfo--0001432058..... | 221 |
| <i>Mammillaria macromeris</i> Engelm. wfo--0001288853..... | 64 | <i>Mammillaria maycobensis</i> Rogoz. & Plein wfo--0001432059..... | 235 |
| <i>Mammillaria macrothele</i> Mart. ex Pfeiff. wfo--0000369290..... | 65 | <i>Mammillaria mayensis</i> R.T.Craig wfo--0000369284..... | 235 |
| <i>Mammillaria macrothele</i> var. <i>biglandulosa</i> (Pfeiff.) Salm-Dyck wfo--0001432044..... | 65 | <i>Mammillaria mazatlanensis</i> f. <i>patonii</i> (Bravo) Neutel. wfo--0001432060..... | 221 |
| <i>Mammillaria macrothele</i> var. <i>lehmannii</i> (Pfeiff.) Salm-Dyck wfo--0001432045..... | 218 | <i>Mammillaria mazatlanensis</i> f. <i>sinalensis</i> (R.T.Craig) Neutel. wfo--0001432061..... | 221 |
| <i>Mammillaria maelenii</i> Salm-Dyck wfo--0000369291..... | 367 | <i>Mammillaria mazatlanensis</i> K.Schum. wfo--0001248231..... | 221 |
| <i>Mammillaria magallanii</i> Schmoll ex R.T.Craig wfo--0001256241..... | 216 | <i>Mammillaria mazatlanensis</i> subsp. <i>mazatlanensis</i> wfo--0001256259..... | 221 |
| <i>Mammillaria magallanii</i> var. <i>hamatispina</i> Backeb. wfo--0001432046..... | 216 | <i>Mammillaria mazatlanensis</i> subsp. <i>patonii</i> (Bravo) D.R.Hunt wfo--0001256260..... | 221 |
| <i>Mammillaria magdalensis</i> Werderm. wfo--0001434885..... | 200 | <i>Mammillaria mazatlanensis</i> var. <i>monocentra</i> Craig wfo--0001248232..... | 221 |
| <i>Mammillaria magneticola</i> J.Meyrán wfo--0001286272 | 236 | <i>Mammillaria mazatlanensis</i> var. <i>occidentalis</i> (Britton & Rose) Neutel. wfo--0001432062..... | 221 |
| <i>Mammillaria magnifica</i> F.G.Buchenau wfo--0001256257..... | 218 | <i>Mammillaria megacantha</i> Salm-Dyck wfo--0001288857..... | 219 |
| <i>Mammillaria magnifica</i> var. <i>minor</i> Franc.G.Buchenau wfo--0001432047..... | 218 | <i>Mammillaria megacantha</i> var. <i>rigidior</i> Salm-Dyck wfo--0001432063..... | 219 |
| <i>Mammillaria magnimamma</i> f. <i>arietina</i> (Lem.) Voss wfo--0001432048..... | 218 | <i>Mammillaria meiacantha</i> Engelm. wfo--0001289957.. | 213 |
| <i>Mammillaria magnimamma</i> Haw. wfo--0001247809.. | 218 | <i>Mammillaria meissneri</i> Ehrenb. wfo--0001288858..... | 211 |
| <i>Mammillaria magnimamma</i> var. <i>arietina</i> (Lem.) Salm-Dyck wfo--0001262744..... | 218 | <i>Mammillaria melaleuca</i> Karw. ex Salm-Dyck wfo--0001287025..... | 221 |
| <i>Mammillaria magnimamma</i> var. <i>bockii</i> (C.F.Först.) Borg wfo--0001432049..... | 219 | <i>Mammillaria melanacantha</i> Hort. ex Rümpler wfo--0000369299..... | 405 |
| <i>Mammillaria magnimamma</i> var. <i>divergens</i> (DC.) Borg wfo--0001432050..... | 218 | <i>Mammillaria melanocentra</i> Poselg. wfo--0001256262 | 221 |
| <i>Mammillaria magnimamma</i> var. <i>lutescens</i> Salm-Dyck wfo--0001432051..... | 219 | <i>Mammillaria melanocentra</i> subsp. <i>linaresensis</i> (R.Wolf & F.Wolf) D.R.Hunt wfo--0001256264..... | 217 |
| <i>Mammillaria magnimamma</i> var. <i>spiniosior</i> Lem. wfo--0001432052..... | 218 | | |
| <i>Mammillaria mainiae</i> K.Brandege wfo--0001287099..... | 52 | | |
| <i>Mammillaria malletiana</i> Cels wfo--0000369293..... | 214 | | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria melanocentra</i> subsp. <i>melanocentra</i> wfo--0001256263..... | 221 | <i>Mammillaria microthele</i> var. <i>brongniartii</i> Salm-Dyck wfo--0001432075..... | 208 |
| <i>Mammillaria melanocentra</i> subsp. <i>rubrograndis</i> (Repp. & A.B.Lau) D.R.Hunt wfo--0001256266..... | 221 | <i>Mammillaria miegiana</i> W.H.Earle wfo--0001256269... .. | 235 |
| <i>Mammillaria melanocentra</i> var. <i>meiacantha</i> (Engelm.) R.T.Craig wfo--0001432064..... | 213 | <i>Mammillaria mieheana</i> Tiegel wfo--0001256270..... | 405 |
| <i>Mammillaria melanocentra</i> var. <i>runyonii</i> (Britton & Rose) R.T.Craig wfo--0001432065..... | 65 | <i>Mammillaria mieheana</i> var. <i>globosa</i> Tiegel wfo--0001432076..... | 205 |
| <i>Mammillaria melanocentra</i> var. <i>typica</i> R.T.Craig wfo--0001432066..... | 221 | <i>Mammillaria milleri</i> (Britton & Rose) Boed. wfo--0001287347..... | 51 |
| <i>Mammillaria melilotiae</i> Laferr. wfo--0000369300..... | 49 | <i>Mammillaria milleri</i> f. <i>auricarpa</i> (W.T.Marshall) Neutel. wfo--0001432077..... | 51 |
| <i>Mammillaria melispina</i> Werderm. wfo--0000369301..... | 405 | <i>Mammillaria milleri</i> f. <i>guedemanniana</i> (Backeb.) Neutel. wfo--0001432078..... | 51 |
| <i>Mammillaria mendeliana</i> (Bravo) Werderm. wfo--0000369302..... | 212 | <i>Mammillaria milleri</i> f. <i>multiancistra</i> De Morree wfo--0001432079..... | 51 |
| <i>Mammillaria mercadensis</i> Patoni wfo--0001243754..... | 222 | <i>Mammillaria milleri</i> f. <i>oliviae</i> (Orcutt) Neutel. wfo--0001287349..... | 51 |
| <i>Mammillaria mercadensis</i> var. <i>guillauminiana</i> (Backeb.) Repp. wfo--0001243755..... | 211 | <i>Mammillaria milleri</i> f. <i>swinglei</i> (Britton & Rose) Neutel. wfo--0001432080..... | 53 |
| <i>Mammillaria meridiorosei</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001269351..... | 54 | <i>Mammillaria milleri</i> var. <i>grahamii</i> (Engelm.) Neutel. wfo--0001432081..... | 51 |
| <i>Mammillaria meschalacantha</i> Salm-Dyck wfo--0000369294..... | 223 | <i>Mammillaria milleri</i> var. <i>sheldonii</i> (Britton & Rose) Neutel. wfo--0001432082..... | 53 |
| <i>Mammillaria mexicensis</i> R.T.Craig wfo--0001286257..... | 211 | <i>Mammillaria minima</i> Rchb. wfo--0001288865..... | 207 |
| <i>Mammillaria meyranii</i> Bravo wfo--0001256268..... | 222 | <i>Mammillaria miqueliana</i> Pfeiff. ex C.F.Först. wfo--0000369254..... | 405 |
| <i>Mammillaria meyranii</i> var. <i>michoacana</i> Franc.G.Buchenau wfo--0001432067..... | 222 | <i>Mammillaria mirabilis</i> Ehrenb. wfo--0001288867..... | 234 |
| <i>Mammillaria micans</i> A.Dietr. wfo--0001288860..... | 212 | <i>Mammillaria missouriensis</i> Sweet ex K.Schum. wfo--0001288868..... | 130 |
| <i>Mammillaria micranantha</i> Miq. wfo--0001288861..... | 418 | <i>Mammillaria missouriensis</i> Sweet wfo--0001432083... .. | 130 |
| <i>Mammillaria micranantha</i> Hort. ex Rümpler wfo--0000369296..... | 221 | <i>Mammillaria missouriensis</i> var. <i>caespitosa</i> (Engelm.) S.Watson wfo--0001289970..... | 130 |
| <i>Mammillaria microcarpa</i> Engelm. wfo--0001287100..... | 51 | <i>Mammillaria missouriensis</i> var. <i>nuttallii</i> (Engelm.) Schelle wfo--0001432084..... | 130 |
| <i>Mammillaria microcarpa</i> f. <i>auricarpa</i> (W.T.Marshall) Neutel. wfo--0001432068..... | 51 | <i>Mammillaria missouriensis</i> var. <i>robustior</i> (Engelm.) S.Watson wfo--0001289972..... | 130 |
| <i>Mammillaria microcarpa</i> f. <i>guedemanniana</i> (Backeb.) Neutel. wfo--0001432069..... | 51 | <i>Mammillaria mitis</i> Mill. wfo--0001288869..... | 405 |
| <i>Mammillaria microcarpa</i> f. <i>oliviae</i> (Orcutt) Neutel. wfo--0001432070..... | 51 | <i>Mammillaria mitlensis</i> Bravo wfo--0001258260..... | 229 |
| <i>Mammillaria microcarpa</i> f. <i>swinglei</i> (Britton & Rose) Neutel. wfo--0001432071..... | 53 | <i>Mammillaria mixtecensis</i> Bravo wfo--0000369256..... | 223 |
| <i>Mammillaria microcarpa</i> subsp. <i>grahamii</i> (Engelm.) Mottram wfo--0001261263..... | 51 | <i>Mammillaria moelleriana</i> Boed. wfo--0001256271..... | 222 |
| <i>Mammillaria microcarpa</i> var. <i>auricarpa</i> W.T.Marshall wfo--0001287346..... | 51 | <i>Mammillaria moeller-valdeziana</i> Appenz. wfo--0001261264..... | 204 |
| <i>Mammillaria microcarpa</i> var. <i>milleri</i> (Britton & Rose) W.T.Marshall wfo--0001432072..... | 51 | <i>Mammillaria mollendorffiana</i> Shurly wfo--0001256390..... | 231 |
| <i>Mammillaria microcarpa</i> var. <i>sheldonii</i> (Britton & Rose) Neutel. wfo--0001432073..... | 53 | <i>Mammillaria mollihamata</i> Shurly wfo--0000369258... .. | 204 |
| <i>Mammillaria microceras</i> Lem. wfo--0001288863..... | 218 | <i>Mammillaria monancistracantha</i> Backeb. wfo--0000369259..... | 223 |
| <i>Mammillaria microhelia</i> var. <i>microheliopsis</i> (Werderm.) Backeb. wfo--0001432074..... | 222 | <i>Mammillaria monancistria</i> O.Berg ex K.Schum. wfo--0000369255..... | 223 |
| <i>Mammillaria microhelia</i> Werderm. wfo--0001288319..... | 222 | <i>Mammillaria monancistria</i> Salm-Dyck wfo--0000369269..... | 204 |
| <i>Mammillaria microheliopsis</i> Werderm. wfo--0001220303..... | 222 | <i>Mammillaria monocentra</i> Jacobi wfo--0000369266..... | 405 |
| <i>Mammillaria micromeris</i> Engelm. wfo--0001288864..... | 111 | <i>Mammillaria montensis</i> R.T.Craig wfo--0000369273... .. | 235 |
| <i>Mammillaria micromeris</i> var. <i>greggii</i> Engelm. wfo--0000378124..... | 111 | <i>Mammillaria montensis</i> var. <i>monocentra</i> R.T.Craig wfo--0001432085..... | 235 |
| <i>Mammillaria micromeris</i> var. <i>unguispina</i> Boed. wfo--0000378125..... | 112 | <i>Mammillaria montensis</i> var. <i>quadricentra</i> R.T.Craig wfo--0001432086..... | 235 |
| <i>Mammillaria microthele</i> Mart. wfo--0000369262..... | 405 | <i>Mammillaria monticola</i> Repp. wfo--0000369275..... | 198 |
| <i>Mammillaria microthele</i> Monv. ex Rümpler wfo--0000369263..... | 221 | <i>Mammillaria morgiana</i> Tiegel wfo--0001256272..... | 222 |
| <i>Mammillaria microthele</i> Muehlenpf. & Tiegel wfo--0000369264..... | 208 | <i>Mammillaria morricalii</i> Cowper wfo--0001261221..... | 49 |
| | | <i>Mammillaria movensis</i> R.T.Craig wfo--0000369276..... | 232 |
| | | <i>Mammillaria mucronata</i> Ehrenb. wfo--0001288871..... | 418 |

| | |
|---|---|
| <i>Mammillaria muehlenpfordtii</i> C.F.Först. wfo--0001288872 222 | <i>Mammillaria nelsonii</i> (Britton & Rose) Boed. wfo-- 0000369126 199 |
| <i>Mammillaria multicephala</i> R.T.Craig wfo--0000369267 418 | <i>Mammillaria neobertrandiana</i> Backeb. wfo--0000369132 216 |
| <i>Mammillaria multiceps</i> Salm-Dyck wfo--0001288873 .. 228 | <i>Mammillaria neocoronaria</i> F.M.Knuth wfo--0000369133 235 |
| <i>Mammillaria multiceps</i> var. <i>elongata</i> Meinsh. wfo-- 0001286262..... 228 | <i>Mammillaria neocrucigera</i> Backeb. wfo--0000369134. 224 |
| <i>Mammillaria multiceps</i> var. <i>grisea</i> Meinsh. wfo-- 0001286263..... 229 | <i>Mammillaria neomexicana</i> A.Nelson wfo--0001265739 133 |
| <i>Mammillaria multiceps</i> var. <i>humilis</i> Meinsh. wfo-- 0001286264..... 229 | <i>Mammillaria neomystax</i> Backeb. wfo--0000369136 215 |
| <i>Mammillaria multiceps</i> var. <i>perpusilla</i> Meinsh. wfo-- 0001261266..... 229 | <i>Mammillaria neopalmeri</i> R.T.Craig wfo--0001288896... 52 |
| <i>Mammillaria multidigitata</i> Radley ex G.E.Linds. wfo-- 0001248235..... 52 | <i>Mammillaria neophaeacantha</i> Fritz Schwarz wfo-- 0000369131 227 |
| <i>Mammillaria multiformis</i> (Britton & Rose) Backeb. wfo-- 0000369268..... 208 | <i>Mammillaria neopotosina</i> R.T.Craig wfo--0000369130 222 |
| <i>Mammillaria multihamata</i> Boed. wfo--0001257857 ... 222 | <i>Mammillaria neopotosina</i> var. <i>brevispina</i> R.T.Craig wfo-- 0001432100 222 |
| <i>Mammillaria multimamma</i> F.M.Knuth wfo--0000369271 227 | <i>Mammillaria neopotosina</i> var. <i>hexispina</i> F.Schmoll ex R.T.Craig wfo--0001432101 222 |
| <i>Mammillaria multiradiata</i> Mart. wfo--0000369272 405 | <i>Mammillaria neopotosina</i> var. <i>longispina</i> R.T.Craig wfo-- 0001432102 222 |
| <i>Mammillaria multiseta</i> Ehrenb. wfo--0001262747 214 | <i>Mammillaria neoschwarzeana</i> Fritz Schwarz wfo-- 0000369122 200 |
| <i>Mammillaria mundtii</i> K.Schum. wfo--0001257803 237 | <i>Mammillaria neumanniana</i> Lem. wfo--0001288876 219 |
| <i>Mammillaria mutabilis</i> Scheidw. wfo--0001288874 ... 223 | <i>Mammillaria neumannii</i> Regel ex Rümpler wfo-- 0000369123 418 |
| <i>Mammillaria mutabilis</i> var. <i>laevior</i> Salm-Dyck wfo-- 0001432087..... 223 | <i>Mammillaria nicholsonii</i> Anon. wfo--0000369124..... 418 |
| <i>Mammillaria mutabilis</i> var. <i>leucocarpa</i> Schelle wfo-- 0001432088..... 223 | <i>Mammillaria nickelsiae</i> K.Brandege wfo--0001288390 65 |
| <i>Mammillaria mutabilis</i> var. <i>leucotricha</i> Schelle wfo-- 0001432089..... 223 | <i>Mammillaria nigra</i> Ehrenb. wfo--0001288877 227 |
| <i>Mammillaria mutabilis</i> var. <i>xanthotricha</i> (Scheidw.) Salm- Dyck wfo--0001432090 223 | <i>Mammillaria nigricans</i> Fennel wfo--0001288879..... 230 |
| <i>Mammillaria mystax</i> Mart. wfo--0001288875 223 | <i>Mammillaria nitens</i> Otto ex Linke wfo--0001262734 ... 205 |
| <i>Mammillaria mystax</i> var. <i>huajuapensis</i> (Bravo) Linzen wfo- --0001432091 223 | <i>Mammillaria nitida</i> Scheidw. wfo--0001262726 228 |
| <i>Mammillaria nacoriensis</i> Plein & Rogoz. wfo--0001432092 236 | <i>Mammillaria nivea</i> H.L.Wendl. wfo--0001288880..... 210 |
| <i>Mammillaria nagliana</i> Repp. wfo--0000369114 215 | <i>Mammillaria nivea</i> var. <i>brevispina</i> Hildm. wfo-- 0001432103 210 |
| <i>Mammillaria nana</i> Backeb. wfo--0001256273..... 223 | <i>Mammillaria nivea</i> var. <i>daedalea</i> (Scheidw.) Lem. wfo-- 0001432104 209 |
| <i>Mammillaria nana</i> subsp. <i>duwei</i> (Rogoz. & P.J.Braun) Pilbeam wfo--0001432093 206 | <i>Mammillaria nivosa</i> Link ex Pfeiff. wfo--0001287101 .. 223 |
| <i>Mammillaria napina</i> J.A.Purpus wfo--0001256317 223 | <i>Mammillaria nobilis</i> Pfeiff. wfo--0001288881 209 |
| <i>Mammillaria napina</i> var. <i>centrispina</i> R.T.Craig wfo-- 0001432094..... 223 | <i>Mammillaria nolascana</i> Radley wfo--0000369137 418 |
| <i>Mammillaria nazasensis</i> (Glass & R.A.Foster) Repp. wfo-- 0000369128..... 225 | <i>Mammillaria notesteinii</i> Britton wfo--0001288882 130 |
| <i>Mammillaria neglecta</i> Salm-Dyck wfo--0000369129 230 | <i>Mammillaria noureddineana</i> Repp. wfo--0000369143 198 |
| <i>Mammillaria nejapensis</i> f. <i>brevispina</i> (R.T.Craig & E.Y.Dawson) Krainz wfo--0001432095 215 | <i>Mammillaria nuda</i> DC. wfo--0000369144 226 |
| <i>Mammillaria nejapensis</i> f. <i>longispina</i> (R.T.Craig & E.Y.Dawson) Krainz wfo--0001432096 215 | <i>Mammillaria nunezii</i> (Britton & Rose) Orcutt wfo-- 0001256318 223 |
| <i>Mammillaria nejapensis</i> R.T.Craig & E.Y.Dawson wfo-- 0001288324..... 215 | <i>Mammillaria nunezii</i> subsp. <i>bella</i> (Backeb.) D.R.Hunt wfo-- 0001256321 224 |
| <i>Mammillaria nejapensis</i> var. <i>brevispina</i> R.T.Craig & E.Y.Dawson wfo--0001432097 215 | <i>Mammillaria nunezii</i> subsp. <i>nunezii</i> wfo--0001256320 224 |
| <i>Mammillaria nejapensis</i> var. <i>longispina</i> R.T.Craig & E.Y.Dawson wfo--0001432098 215 | <i>Mammillaria nunezii</i> var. <i>solisii</i> (Britton & Rose) Backeb. wfo--0001432105 224 |
| <i>Mammillaria nejapensis</i> var. <i>typica</i> R.T.Craig & E.Y.Dawson wfo--0001432099 215 | <i>Mammillaria nuttallii</i> Engelm. wfo--0000369145..... 130 |
| <i>Mammillaria nellieae</i> (Croizat) Croizat wfo--0001268639 130 | <i>Mammillaria nuttallii</i> var. <i>borealis</i> Engelm. wfo-- 0001432106 130 |
| | <i>Mammillaria nuttallii</i> var. <i>caespitosa</i> Engelm. wfo-- 0001289969 130 |
| | <i>Mammillaria nuttallii</i> var. <i>robustior</i> (Engelm.) Engelm. & J.M.Bigelow wfo--0001289971 130 |
| | <i>Mammillaria obconella</i> Scheidw. wfo--0001288883 227 |
| | <i>Mammillaria obconella</i> var. <i>galeottii</i> Scheidw. wfo-- 0001432107 226 |
| | <i>Mammillaria obliqua</i> Ehrenb. wfo--0001288884..... 418 |
| | <i>Mammillaria obscura</i> Hildm. wfo--0001257729 225 |
| | <i>Mammillaria obvallata</i> Otto wfo--0001288885..... 221 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria ocamponis</i> Ochot. wfo---0001265818 | 222 | <i>Mammillaria papasquiarensis</i> (Bravo ex S.Arias, U.Guzmán & Gama) Repp. wfo---0001286283 | 211 |
| <i>Mammillaria occidentalis</i> (Britton & Rose) Boed. wfo---0001248756 | 221 | <i>Mammillaria papyracantha</i> Engelm. wfo---0001289551338 | |
| <i>Mammillaria occidentalis</i> var. <i>monocentra</i> (R.T.Craig) Backeb. wfo---0001432108 | 235 | <i>Mammillaria parensis</i> R.T.Craig wfo---0000369096 | 228 |
| <i>Mammillaria occidentalis</i> var. <i>patonii</i> (Bravo) R.T.Craig wfo---0001432109 | 221 | <i>Mammillaria parkinsonii</i> Ehrenb. wfo---0001288898 | 224 |
| <i>Mammillaria occidentalis</i> var. <i>sinalensis</i> R.T.Craig wfo---0001432110 | 221 | <i>Mammillaria parkinsonii</i> subsp. <i>cadereytensis</i> (R.T.Craig) Rogoz. & Plein wfo---0001432121 | 225 |
| <i>Mammillaria ochoterena</i> (Bravo) Werderm. ex Backeb. wfo---0001286226 | 206 | <i>Mammillaria parkinsonii</i> var. <i>brevispina</i> R.T.Craig wfo---0001432122 | 224 |
| <i>Mammillaria ocotillensis</i> R.T.Craig wfo---0000369146 | 210 | <i>Mammillaria parkinsonii</i> var. <i>dealbata</i> Frič wfo---0001432123 | 224 |
| <i>Mammillaria ocotillensis</i> var. <i>brevispina</i> R.T.Craig wfo---0001432111 | 210 | <i>Mammillaria parkinsonii</i> var. <i>dietchiae</i> (Tiegel) Backeb. wfo---0001432124 | 224 |
| <i>Mammillaria ocotillensis</i> var. <i>longispina</i> R.T.Craig wfo---0001432112 | 210 | <i>Mammillaria parmentieri</i> Link & Otto wfo---0000369098 | 214 |
| <i>Mammillaria octacantha</i> DC. wfo---0001288391 | 65 | <i>Mammillaria parrasensis</i> Repp. wfo---0000369103 | 213 |
| <i>Mammillaria odehnalii</i> Halda, Kupčák & Sladk. wfo---0000369138 | 226 | <i>Mammillaria parvimamma</i> Haw. wfo---0001288899 | 221 |
| <i>Mammillaria odieriana</i> Lem. wfo---0001288886 | 230 | <i>Mammillaria parvissima</i> Karw. ex Rümpler wfo---0000369095 | 229 |
| <i>Mammillaria odieriana</i> var. <i>aurea</i> Salm-Dyck wfo---0001432113 | 229 | <i>Mammillaria patonii</i> (Bravo) Werderm. wfo---0000369099 | 221 |
| <i>Mammillaria odieriana</i> var. <i>rigidior</i> Salm-Dyck wfo---0001432114 | 230 | <i>Mammillaria patonii</i> var. <i>sinalensis</i> (R.T.Craig) Backeb. wfo---0001432125 | 221 |
| <i>Mammillaria odieriana</i> var. <i>rubra</i> Sencke ex Rümpler wfo---0001432115 | 231 | <i>Mammillaria paulii</i> Linzen wfo---0000507563 | 233 |
| <i>Mammillaria odieriana</i> var. <i>subcurvata</i> Jacobi wfo---0001432116 | 231 | <i>Mammillaria pazzanii</i> D.C.Stieber wfo---0000369100 ... | 219 |
| <i>Mammillaria oettingenii</i> Zeiss. wfo---0000369139 | 203 | <i>Mammillaria peacockii</i> Hort.Angl. ex Rümpler wfo---0000369101 | 212 |
| <i>Mammillaria olivacea</i> Pfeiff. wfo---0000369140 | 229 | <i>Mammillaria pectinata</i> Engelm. wfo---0001288901 | 63 |
| <i>Mammillaria oliviae</i> Orcutt wfo---0001287348 | 51 | <i>Mammillaria pectinifera</i> f. <i>solisioides</i> (Backeb.) Sánchez-Mej. wfo---0001286267 | 224 |
| <i>Mammillaria olorina</i> Ehrenb. wfo---0001288887 | 418 | <i>Mammillaria pectinifera</i> F.A.C.Weber wfo---0001287026 | 224 |
| <i>Mammillaria oothele</i> Lem. wfo---0001288888 | 227 | <i>Mammillaria pectinifera</i> subsp. <i>pectinifera</i> wfo---0001434886 | 224 |
| <i>Mammillaria orcuttii</i> Boed. wfo---0001286251 | 224 | <i>Mammillaria pectinifera</i> subsp. <i>solisioides</i> (Backeb.) D.R.Hunt wfo---0001432126 | 224 |
| <i>Mammillaria orestera</i> L.D.Benson wfo---0001289960 | 49 | <i>Mammillaria peninsularis</i> (Britton & Rose) Orcutt wfo---0001248208 | 224 |
| <i>Mammillaria ortegae</i> (Britton & Rose) Orcutt wfo---0001286253 | 405 | <i>Mammillaria pennispinosa</i> Krainz wfo---0001287027 ... | 224 |
| <i>Mammillaria ortiz-rubiana</i> (Bravo) Werderm. wfo---0001432117 | 201 | <i>Mammillaria pennispinosa</i> subsp. <i>brachytrichion</i> (Lüthy) U.Guzmán wfo---0001286258 | 222 |
| <i>Mammillaria ortizrubioana</i> (Bravo) Werderm. wfo---0001432118 | 201 | <i>Mammillaria pennispinosa</i> subsp. <i>nazasensis</i> (Glass & R.A.Foster) D.R.Hunt wfo---0001256324 | 225 |
| <i>Mammillaria ortiz-rubiona</i> (Bravo) Werderm. wfo---0000378164 | 201 | <i>Mammillaria pennispinosa</i> subsp. <i>pennispinosa</i> wfo---0001256323 | 225 |
| <i>Mammillaria oteroi</i> Glass & R.A.Foster wfo---0001243896 | 224 | <i>Mammillaria pennispinosa</i> var. <i>nazasensis</i> Glass & R.A.Foster wfo---0001243895 | 225 |
| <i>Mammillaria ottonis</i> Pfeiff. wfo---0001288392 | 66 | <i>Mammillaria pentacantha</i> Pfeiff. wfo---0001288902 ... | 219 |
| <i>Mammillaria ovimamma</i> Lem. wfo---0001288892 | 227 | <i>Mammillaria perbella</i> Hildm. ex K.Schum. wfo---0001286977 | 225 |
| <i>Mammillaria ovimamma</i> var. <i>brevispina</i> Salm-Dyck wfo---0001432119 | 226 | <i>Mammillaria perezdelarosae</i> Bravo & Scheinvar wfo---0001255867 | 200 |
| <i>Mammillaria ovimamma</i> var. <i>oothele</i> (Lem.) Labour. wfo---0001432120 | 227 | <i>Mammillaria perezdelarosae</i> subsp. <i>andersoniana</i> W.A.Fitz Maur. & B.Fitz Maur. wfo---0001432127 | 200 |
| <i>Mammillaria pachycylindrica</i> Backeb. wfo---0001286256 | 211 | <i>Mammillaria perezdelarosae</i> subsp. <i>perezdelarosae</i> wfo---0001286260 | 200 |
| <i>Mammillaria pachyrhiza</i> Backeb. wfo---0001286227 | 206 | <i>Mammillaria perote</i> Pfeiff. wfo---0000369115 | 211 |
| <i>Mammillaria pachytele</i> Poselg. wfo---0000369105 | 219 | <i>Mammillaria perpusilla</i> Meinsh. ex Rümpler wfo---0000369118 | 229 |
| <i>Mammillaria pachytele</i> Salm-Dyck wfo---0000369106 | 418 | <i>Mammillaria perringii</i> Hildm. ex K.Schum. wfo---0000369119 | 222 |
| <i>Mammillaria pacifica</i> (H.E.Gates) Boed. wfo---0000369107 | 225 | <i>Mammillaria persicina</i> Ehrenb. wfo---0001288903 | 418 |
| <i>Mammillaria painteri</i> Rose wfo---0001256322 | 224 | | |
| <i>Mammillaria pallescens</i> Scheidw. wfo---0001288893 | 201 | | |
| <i>Mammillaria palmeri</i> (J.M.Coult.) Jacobi wfo---0001262422 | 52 | | |

| | | | |
|---|-----|--|-----|
| <i>Mammillaria pertinata</i> Engelm. wfo--0001288393..... | 63 | <i>Mammillaria plecostigma</i> var. <i>minor</i> Meinsh. wfo-- | |
| <i>Mammillaria petrophila</i> K.Brandegee wfo--0001256325 | | 0001432141 | 419 |
| ..... | 225 | <i>Mammillaria pleiocephala</i> Regel & Klein bis wfo-- | |
| <i>Mammillaria petrophila</i> subsp. <i>arida</i> (Rose ex Quehl) | | 0001288913 | 419 |
| D.R.Hunt wfo--0001256327 | 225 | <i>Mammillaria plinthimorpha</i> Jacobi wfo--0000369182 . | 203 |
| <i>Mammillaria petrophila</i> subsp. <i>baxteriana</i> (H.E.Gates) | | <i>Mammillaria plumosa</i> F.A.C.Weber wfo--0001248757 | 226 |
| D.R.Hunt wfo--0001256328 | 225 | <i>Mammillaria polyacantha</i> C.Ehrenb. wfo--0001265812233 | |
| <i>Mammillaria petrophila</i> subsp. <i>petrophila</i> wfo-- | | <i>Mammillaria polyactina</i> C.Ehrenb. wfo--0000369183.. | 233 |
| 0001256326..... | 225 | <i>Mammillaria polycantha</i> Lawr. wfo--0000369184 | 233 |
| <i>Mammillaria petterssonii</i> Hildm. wfo--0001256329 | 225 | <i>Mammillaria polycentra</i> A.Berg wfo--0001288914 | 233 |
| <i>Mammillaria pfeifferi</i> J.R.Booth ex Scheidw. wfo-- | | <i>Mammillaria polycephala</i> Muehlenpf. wfo--0001288915 | |
| 0000369117 | 230 | ..... | 222 |
| <i>Mammillaria pfeifferi</i> var. <i>altissima</i> Scheidw. wfo-- | | <i>Mammillaria polychlora</i> Scheidw. ex C.F.Först. wfo-- | |
| 0001432128 | 230 | 0000369176 | 222 |
| <i>Mammillaria pfeifferi</i> var. <i>dichotoma</i> Scheidw. wfo-- | | <i>Mammillaria polyedra</i> Mart. wfo--0001288916 | 226 |
| 0001432129 | 230 | <i>Mammillaria polyedra</i> var. <i>laevior</i> Salm-Dyck wfo-- | |
| <i>Mammillaria pfeifferi</i> var. <i>flaviceps</i> Scheidw. wfo-- | | 0001432142 | 226 |
| 0001432130 | 230 | <i>Mammillaria polygona</i> Salm-Dyck wfo--0001288917 .. | 226 |
| <i>Mammillaria pfeifferi</i> var. <i>fulvispina</i> Scheidw. wfo-- | | <i>Mammillaria polymorpha</i> Scheer ex Muehlenpf. wfo-- | |
| 0001432131 | 230 | 0001288920 | 65 |
| <i>Mammillaria pfeifferi</i> var. <i>variabilis</i> Scheidw. wfo-- | | <i>Mammillaria polythele</i> f. <i>neumanniana</i> (Lem.) Schelle wfo-- | |
| 0001432132 | 230 | --0001432143 | 219 |
| <i>Mammillaria pfeifferiana</i> de Vriese wfo--0001288904 .. | 62 | <i>Mammillaria polythele</i> f. <i>quadrispina</i> (Mart.) Schelle wfo-- | |
| <i>Mammillaria pfeifferiana</i> var. <i>altissima</i> Scheidw. wfo-- | | 0001432144 | 227 |
| 0001432133 | 62 | <i>Mammillaria polythele</i> Mart. wfo--0001286978 | 226 |
| <i>Mammillaria pfeifferiana</i> var. <i>dichotoma</i> Scheidw. wfo-- | | <i>Mammillaria polythele</i> subsp. <i>durispina</i> (Boed.) D.R.Hunt | |
| 0001432134 | 62 | wfo--0001256336 | 227 |
| <i>Mammillaria pfeifferiana</i> var. <i>flaviceps</i> Scheidw. wfo-- | | <i>Mammillaria polythele</i> subsp. <i>obconella</i> (Scheidw.) | |
| 0001432135 | 62 | D.R.Hunt wfo--0001256337 | 227 |
| <i>Mammillaria pfeifferiana</i> var. <i>fulvispina</i> Scheidw. wfo-- | | <i>Mammillaria polythele</i> subsp. <i>polythele</i> wfo-- | |
| 0001432136 | 62 | 0001256335 | 227 |
| <i>Mammillaria pfeifferiana</i> var. <i>variabilis</i> Scheidw. wfo-- | | <i>Mammillaria polythele</i> var. <i>aciculata</i> (Otto ex Pfeiff.) Salm- | |
| 0001432137 | 62 | Dyck wfo--0001262766 | 403 |
| <i>Mammillaria phaeacantha</i> Lem. wfo--0001288905..... | 230 | <i>Mammillaria polythele</i> var. <i>affinis</i> Schelle wfo-- | |
| <i>Mammillaria phaeotricha</i> Monv. ex Labour. wfo-- | | 0001432145 | 226 |
| 0001288906..... | 408 | <i>Mammillaria polythele</i> var. <i>columnaris</i> (Mart.) Salm-Dyck | |
| <i>Mammillaria phantasma</i> Sotom., Arred. & M.Martinez | | ex Walp. wfo--0001432146..... | 226 |
| Méndez wfo--0001286252 | 224 | <i>Mammillaria polythele</i> var. <i>hexacantha</i> (Salm-Dyck) Salm- | |
| <i>Mammillaria phellosperma</i> Engelm. wfo--0001288907 .. | 53 | Dyck wfo--0001432147 | 226 |
| <i>Mammillaria phitauiana</i> (E.M.Baxter) Werderm. wfo-- | | <i>Mammillaria polythele</i> var. <i>latimamma</i> Salm-Dyck wfo-- | |
| 0001287215 | 52 | 0001432148 | 226 |
| <i>Mammillaria phymatothele</i> A.Berger wfo--0001288909 | | <i>Mammillaria polythele</i> var. <i>quadrispina</i> (Mart.) Salm-Dyck | |
| ..... | 219 | wfo--0001262764 | 227 |
| <i>Mammillaria phymatothele</i> var. <i>trohartii</i> (Hildm. ex | | <i>Mammillaria polythele</i> var. <i>setosa</i> (Pfeiff.) Salm-Dyck wfo-- | |
| K.Schum.) R.T.Craig wfo--0001432138 | 220 | --0001262765 | 227 |
| <i>Mammillaria picta</i> Meinsh. wfo--0001288910..... | 225 | <i>Mammillaria polytricha</i> Salm-Dyck wfo--0001288921 . | 226 |
| <i>Mammillaria picta</i> subsp. <i>picta</i> wfo--0001256331 | 225 | <i>Mammillaria polytricha</i> var. <i>hexacantha</i> Salm-Dyck wfo-- | |
| <i>Mammillaria picta</i> subsp. <i>viereckii</i> (Boed.) D.R.Hunt wfo-- | | 0001432149 | 226 |
| 0001256332..... | 225 | <i>Mammillaria polytricha</i> var. <i>laevior</i> Salm-Dyck ex Labour. | |
| <i>Mammillaria picturata</i> Labour. wfo--0000369148..... | 405 | wfo--0001432150 | 226 |
| <i>Mammillaria pilcayensis</i> Bravo wfo--0001256417 | 235 | <i>Mammillaria polytricha</i> var. <i>scleracantha</i> Labour. wfo-- | |
| <i>Mammillaria pilensis</i> Shurly ex Backeb. wfo--0000369180 | | 0001432151 | 226 |
| ..... | 225 | <i>Mammillaria polytricha</i> var. <i>tetracantha</i> Salm-Dyck wfo-- | |
| <i>Mammillaria pilensis</i> Shurly ex Eggli wfo--0000369179 | 225 | 0001432152 | 226 |
| <i>Mammillaria pilispina</i> J.A.Purpus wfo--0001256334 | 226 | <i>Mammillaria pomacea</i> C.Ehrenb. wfo--0001288922 | 233 |
| <i>Mammillaria plaschnickii</i> Otto wfo--0001288911..... | 65 | <i>Mammillaria pondii</i> Greene wfo--0001288923 | 52 |
| <i>Mammillaria plaschnickii</i> var. <i>straminea</i> Salm-Dyck wfo-- | | <i>Mammillaria pondii</i> subsp. <i>maritima</i> (G.E.Linds.) D.R.Hunt | |
| 0001432139 | 66 | wfo--0001256339 | 52 |
| <i>Mammillaria plecostigma</i> Meinsh. wfo--0001288912 .. | 419 | <i>Mammillaria pondii</i> subsp. <i>pondii</i> wfo--0001432153 | 52 |
| <i>Mammillaria plecostigma</i> var. <i>major</i> Meinsh. wfo-- | | <i>Mammillaria pondii</i> subsp. <i>setispina</i> (Engelm. ex | |
| 0001432140..... | 419 | J.M.Coult.) D.R.Hunt wfo--0001256340 | 53 |
| | | <i>Mammillaria porphyracantha</i> Jacobi wfo--0000369174205 | |

| | | | |
|--|-----|---|-----|
| <i>Mammillaria poselgeri</i> Hildm. wfo--0001288372 | 52 | <i>Mammillaria pseudopectinata</i> (Backeb.) H.P.Kelsey & Dayton wfo--0000378161 | 372 |
| <i>Mammillaria poselgeriana</i> J.N.Haage ex Rümpler wfo--0000369175 | 234 | <i>Mammillaria pseudoperbella</i> f. <i>rufispina</i> (Quehl) Schelle wfo--0001432163 | 225 |
| <i>Mammillaria posseltiana</i> Boed. wfo--0000369178 | 229 | <i>Mammillaria pseudoperbella</i> Quehl wfo--0001257796 | 405 |
| <i>Mammillaria potosiana</i> Jacobi wfo--0001262423 | 66 | <i>Mammillaria pseudoperbella</i> var. <i>rufispina</i> Quehl wfo--0001432164 | 225 |
| <i>Mammillaria pottsii</i> Scheer ex Salm-Dyck wfo--0001287102 | 227 | <i>Mammillaria pseudorekoi</i> Boed. wfo--0000369868 | 229 |
| <i>Mammillaria pottsii</i> var. <i>gigas</i> Repp. wfo--0001432154 | 228 | <i>Mammillaria pseudoscrippsiana</i> Backeb. wfo--0001261270 | 232 |
| <i>Mammillaria pottsii</i> var. <i>multicaulis</i> Repp. wfo--0001432155 | 228 | <i>Mammillaria pseudosimplex</i> W.Haage & Backeb. wfo--0000369858 | 221 |
| <i>Mammillaria praelii</i> Muehlenpf. wfo--0001287402 | 214 | <i>Mammillaria puberula</i> Repp. wfo--0000369859 | 204 |
| <i>Mammillaria pretiosa</i> Ehrenb. wfo--0001288925 | 234 | <i>Mammillaria pubispina</i> Boed. wfo--0000369863 | 204 |
| <i>Mammillaria pretiosa</i> var. <i>cristata</i> Hildm. ex Rümpler wfo--0001432156 | 234 | <i>Mammillaria pugionacantha</i> C.F.Först. wfo--0001288931 | 419 |
| <i>Mammillaria priessnitzii</i> Repp. wfo--0000369191 | 220 | <i>Mammillaria pulchella</i> Otto ex Linke wfo--0001432165205 | 236 |
| <i>Mammillaria pringlei</i> (J.M.Coult.) K.Brandege wfo--0001288927 | 228 | <i>Mammillaria pulchella</i> Salm-Dyck wfo--0001288932 | 236 |
| <i>Mammillaria pringlei</i> var. <i>columnaris</i> F.Schmoll ex R.T.Craig wfo--0001432157 | 228 | <i>Mammillaria pulcherrima</i> Ehrenb. wfo--0001288934 | 234 |
| <i>Mammillaria pringlei</i> var. <i>longicentra</i> Backeb. wfo--0001432158 | 228 | <i>Mammillaria pulchra</i> Haw. wfo--0001288933 | 229 |
| <i>Mammillaria prismatica</i> (Lem.) Hemsl. wfo--0001288928 | 11 | <i>Mammillaria pulliamata</i> Backeb. wfo--0000369862 | 229 |
| <i>Mammillaria procera</i> Ehrenb. wfo--0001288929 | 11 | <i>Mammillaria pulliamata</i> Repp. wfo--0000369861 | 229 |
| <i>Mammillaria procurva</i> Sencke wfo--0001432159 | 419 | <i>Mammillaria pulvilligera</i> Monv. ex Rümpler wfo--0000369847 | 11 |
| <i>Mammillaria prolifera</i> (Mill.) Haw. wfo--0001287028 | 228 | <i>Mammillaria punctata</i> Labour. ex Rümpler wfo--0000369823 | 231 |
| <i>Mammillaria prolifera</i> f. <i>haitiensis</i> (K.Schum.) Krainz wfo--0001432160 | 228 | <i>Mammillaria purpurea</i> S.Watson wfo--0000369850 | 11 |
| <i>Mammillaria prolifera</i> f. <i>texana</i> (Engelm.) Krainz wfo--0001432161 | 228 | <i>Mammillaria purpurascens</i> Ehrenb. wfo--0000369826 | 234 |
| <i>Mammillaria prolifera</i> subsp. <i>arachnoidea</i> (D.R.Hunt) D.R.Hunt wfo--0001256341 | 228 | <i>Mammillaria purpurea</i> Ehrenb. wfo--0001288935 | 419 |
| <i>Mammillaria prolifera</i> subsp. <i>haitiensis</i> (K.Schum.) D.R.Hunt wfo--0001256343 | 228 | <i>Mammillaria purpusii</i> K.Schum. wfo--0000369827 | 302 |
| <i>Mammillaria prolifera</i> subsp. <i>multiceps</i> (Salm-Dyck) U.Guzmán wfo--0001286261 | 228 | <i>Mammillaria pusilla</i> DC. wfo--0001288936 | 228 |
| <i>Mammillaria prolifera</i> subsp. <i>prolifera</i> wfo--0001434887 | 228 | <i>Mammillaria pusilla</i> f. <i>major</i> (Pfeiff.) Schelle wfo--0001432166 | 228 |
| <i>Mammillaria prolifera</i> subsp. <i>texana</i> (Engelm.) D.R.Hunt wfo--0001256345 | 228 | <i>Mammillaria pusilla</i> f. <i>multiceps</i> (Salm-Dyck) Schelle wfo--0001432167 | 228 |
| <i>Mammillaria prolifera</i> subsp. <i>zublerae</i> (Repp.) D.R.Hunt wfo--0001256346 | 238 | <i>Mammillaria pusilla</i> f. <i>texana</i> (Engelm.) Schelle wfo--0001432168 | 228 |
| <i>Mammillaria prolifera</i> var. <i>arachnoidea</i> D.R.Hunt wfo--0001256342 | 228 | <i>Mammillaria pusilla</i> var. <i>haitiensis</i> K.Schum. wfo--0001256344 | 228 |
| <i>Mammillaria prolifera</i> var. <i>multiceps</i> (Salm-Dyck) Borg wfo--0001286265 | 228 | <i>Mammillaria pusilla</i> var. <i>major</i> Pfeiff. wfo--0001432169 | 228 |
| <i>Mammillaria prolifera</i> var. <i>perpusilla</i> (Meinsh.) B.Hofm. wfo--0001432162 | 229 | <i>Mammillaria pusilla</i> var. <i>texana</i> Engelm. wfo--0001288980 | 228 |
| <i>Mammillaria prolifera</i> var. <i>prolifera</i> wfo--0001288294228 | 228 | <i>Mammillaria pycnanantha</i> Mart. wfo--0001288394 | 67 |
| <i>Mammillaria prolifera</i> var. <i>texana</i> (Engelm.) Borg wfo--0001287029 | 228 | <i>Mammillaria pygmaea</i> (Britton & Rose) A.Berger wfo--0001286979 | 204 |
| <i>Mammillaria pruinosa</i> Ehrenb. wfo--0000369198 | 234 | <i>Mammillaria pyramidalis</i> Link & Otto wfo--0000369830 | 405 |
| <i>Mammillaria psendofuscata</i> Quehl wfo--0000369871 | 205 | <i>Mammillaria pyrroacantha</i> Pfeiff. ex C.F.Först. wfo--0000369825 | 405 |
| <i>Mammillaria pseudoalamensis</i> Backeb. wfo--0000369866 | 51 | <i>Mammillaria pyrrocentra</i> Salm-Dyck wfo--0000369832 | 230 |
| <i>Mammillaria pseudocrucigera</i> R.T.Craig wfo--0001256133 | 208 | <i>Mammillaria pyrrocephala</i> Scheidw. wfo--0001288937 | 214 |
| <i>Mammillaria pseudofuscata</i> Quehl wfo--0000378160 | 205 | <i>Mammillaria pyrrocephala</i> var. <i>confusa</i> (Britton & Rose) Borg wfo--0001432170 | 215 |
| <i>Mammillaria pseudomamillaris</i> Salm-Dyck wfo--0000369872 | 205 | <i>Mammillaria pyrrocephala</i> var. <i>donkelaerii</i> Salm-Dyck wfo--0001432171 | 214 |
| | | <i>Mammillaria pyrrocephala</i> var. <i>malletiana</i> (Cels) Borg wfo--0001432172 | 214 |
| | | <i>Mammillaria pyrrochracantha</i> Lem. wfo--0001288938 | 230 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria quadrata</i> G.Don ex Loudon wfo-- 0000369833..... | 405 | <i>Mammillaria recurvispina</i> de Vriese wfo--0001262772.. | 64 |
| <i>Mammillaria quadrispina</i> Mart. wfo--0001288939..... | 227 | <i>Mammillaria regia</i> Ehrenb. wfo--0001288944 | 236 |
| <i>Mammillaria quereatarica</i> R.T.Craig wfo--0000369819..... | 225 | <i>Mammillaria rekoii</i> (Britton & Rose) Vaupel wfo-- 0001256348 | 229 |
| <i>Mammillaria radioissima</i> Linds. wfo--0001248239 | 199 | <i>Mammillaria rekoii</i> subsp. <i>aureispina</i> (A.B.Lau) D.R.Hunt wfo--0001256350 | 229 |
| <i>Mammillaria radians</i> DC. wfo--0000369193 | 62 | <i>Mammillaria rekoii</i> subsp. <i>leptacantha</i> (A.B.Lau) D.R.Hunt wfo--0001256353 | 229 |
| <i>Mammillaria radians</i> f. <i>daimonoceras</i> (Lem.) Schelle wfo-- 0001432173..... | 63 | <i>Mammillaria rekoii</i> subsp. <i>rekoii</i> wfo--0001256349 | 229 |
| <i>Mammillaria radians</i> f. <i>echinus</i> (Engelm.) Schelle wfo-- 0001432174..... | 63 | <i>Mammillaria rekoii</i> var. <i>aureispina</i> A.B.Lau wfo-- 0001256351 | 229 |
| <i>Mammillaria radians</i> f. <i>impexicoma</i> (Lem.) Schelle wfo-- 0001432175..... | 62 | <i>Mammillaria rekoii</i> var. <i>leptacantha</i> A.B.Lau wfo-- 0001256352 | 229 |
| <i>Mammillaria radians</i> f. <i>sulcata</i> (Engelm.) Schelle wfo-- 0001432176..... | 68 | <i>Mammillaria rekoii</i> var. <i>pseudorekoii</i> (Boed.) R.T.Craig wfo-- -0001432186 | 229 |
| <i>Mammillaria radians</i> var. <i>daimonoceras</i> (Lem.) K.Schum. wfo--0001432177 | 63 | <i>Mammillaria rekoiana</i> R.T.Craig wfo--0000369157..... | 229 |
| <i>Mammillaria radians</i> var. <i>echinus</i> (Engelm.) K.Schum. wfo-- -0001257683 | 63 | <i>Mammillaria reppenhagenii</i> D.R.Hunt wfo--0001255852 | 198 |
| <i>Mammillaria radians</i> var. <i>globosa</i> Scheidw. wfo-- 0001432178..... | 62 | <i>Mammillaria rettigiana</i> Boed. wfo--0001256354 | 229 |
| <i>Mammillaria radians</i> var. <i>impexicoma</i> (Lem.) Salm-Dyck ex K.Schum. wfo--0001432179 | 62 | <i>Mammillaria retusa</i> Pfeiff. wfo--0001288396 | 67 |
| <i>Mammillaria radians</i> var. <i>scolymoides</i> (Scheidw.) Schelle wfo--0001432180..... | 62 | <i>Mammillaria raphidacantha</i> f. <i>ancistracantha</i> (Lem.) Schelle wfo--0001432187 | 62 |
| <i>Mammillaria radians</i> var. <i>sulcata</i> (Engelm.) K.Schum. wfo-- -0001257690 | 68 | <i>Mammillaria raphidacantha</i> var. <i>humilior</i> Salm-Dyck ex C.F.Först. wfo--0001432188 | 62 |
| <i>Mammillaria radicanissima</i> Quehl wfo--0001265730 | 62 | <i>Mammillaria rhodacantha</i> Salm-Dyck wfo--0000369156 | 215 |
| <i>Mammillaria radiosa</i> Engelm. wfo--0001266587..... | 132 | <i>Mammillaria rhodantha</i> f. <i>andreae</i> (Otto ex Pfeiff.) Voss wfo--0001432189 | 229 |
| <i>Mammillaria radiosa</i> f. <i>arizonica</i> (Engelm.) Schelle wfo-- 0001432181..... | 132 | <i>Mammillaria rhodantha</i> f. <i>callaena</i> (K.Schum.) Schelle wfo-- -0001432190..... | 231 |
| <i>Mammillaria radiosa</i> f. <i>chlorantha</i> (Engelm.) Schelle wfo-- 0001432182..... | 129 | <i>Mammillaria rhodantha</i> f. <i>centrispina</i> (Pfeiff.) Voss wfo-- 0001432191 | 229 |
| <i>Mammillaria radiosa</i> f. <i>deserti</i> (Engelm.) Schelle wfo-- 0001432183..... | 132 | <i>Mammillaria rhodantha</i> f. <i>chrysacantha</i> (Pfeiff.) Schelle wfo--0001432192 | 231 |
| <i>Mammillaria radiosa</i> var. <i>alversonii</i> (J.M.Coult.) K.Schum. wfo--0001288941..... | 128 | <i>Mammillaria rhodantha</i> f. <i>crassispina</i> (Pfeiff.) Schelle wfo-- -0001432193 | 230 |
| <i>Mammillaria radiosa</i> var. <i>arizonica</i> (Engelm.) K.Schum. wfo--0001257684..... | 132 | <i>Mammillaria rhodantha</i> f. <i>droegeana</i> (K.Schum.) Schelle wfo--0001432194 | 222 |
| <i>Mammillaria radiosa</i> var. <i>deserti</i> (Engelm.) K.Schum. wfo-- -0001257685 | 132 | <i>Mammillaria rhodantha</i> f. <i>fulvispina</i> (Haw.) Schelle wfo-- 0001432195 | 231 |
| <i>Mammillaria radiosa</i> var. <i>texensis</i> Schelle wfo-- 0001432184..... | 133 | <i>Mammillaria rhodantha</i> f. <i>fuscata</i> (Pfeiff.) Schelle wfo-- 0001432196 | 231 |
| <i>Mammillaria radiosa</i> var. <i>vivipara</i> (Nutt.) Schelle wfo-- 0001289009..... | 132 | <i>Mammillaria rhodantha</i> f. <i>neglecta</i> (Salm-Dyck) Voss wfo-- -0001432197 | 230 |
| <i>Mammillaria radleana</i> K.Schum. wfo--0000369186 | 52 | <i>Mammillaria rhodantha</i> f. <i>pfeifferi</i> (J.R.Booth ex Scheidw.) Schelle wfo--0001432198 | 230 |
| <i>Mammillaria radliana</i> Quehl wfo--0000378173 | 52 | <i>Mammillaria rhodantha</i> f. <i>pyramidalis</i> (K.Schum.) Schelle wfo--0001432199 | 231 |
| <i>Mammillaria radula</i> Scheidw. ex C.F.Först. wfo-- 0000369187..... | 230 | <i>Mammillaria rhodantha</i> f. <i>ruberrima</i> (K.Schum.) Schelle wfo--0001432200 | 231 |
| <i>Mammillaria ramillosa</i> (Cutak) D.Weniger wfo-- 0001432185..... | 67 | <i>Mammillaria rhodantha</i> f. <i>ruficeps</i> (Lem.) Voss wfo-- 0001432201 | 230 |
| <i>Mammillaria ramosissima</i> Quehl wfo--0000369188..... | 68 | <i>Mammillaria rhodantha</i> f. <i>stenocephala</i> (K.Schum.) Schelle wfo--0001432202 | 231 |
| <i>Mammillaria raphidacantha</i> Lem. wfo--0000369189 | 62 | <i>Mammillaria rhodantha</i> f. <i>sulphurea</i> (C.F.Först.) Voss wfo-- -0001432203 | 230 |
| <i>Mammillaria raphidacantha</i> var. <i>ancistracantha</i> (Lem.) K.Schum. wfo--0001286154 | 62 | <i>Mammillaria rhodantha</i> f. <i>tentaculata</i> (Pfeiff.) Schelle wfo-- -0001432204..... | 230 |
| <i>Mammillaria rayonensis</i> Repp. wfo--0001261267 | 226 | <i>Mammillaria rhodantha</i> Link & Otto wfo--0001288945..... | 229 |
| <i>Mammillaria rayonesensis</i> Repp. wfo--0000369195..... | 226 | <i>Mammillaria rhodantha</i> subsp. <i>aureiceps</i> (Lem.) D.R.Hunt wfo--0001256357 | 230 |
| <i>Mammillaria recta</i> Miq. ex Labour. wfo--0000369192 | 210 | | |
| <i>Mammillaria rectispina</i> (E.Y.Dawson) Repp. wfo-- 0001243749..... | 49 | | |
| <i>Mammillaria recurva</i> Lehm. ex Pfeiff. wfo--0000369194 | 218 | | |
| <i>Mammillaria recurvata</i> Engelm. wfo--0001288395 | 67 | | |

| | | | |
|---|-----|--|-----|
| <i>Mammillaria rhodantha</i> subsp. <i>fera-rubra</i> (Schmoll ex R.T.Craig) D.R.Hunt wfo--0001256358 | 231 | <i>Mammillaria rhodocentra</i> var. <i>gracillima</i> Scheer wfo--0001432229 | 226 |
| <i>Mammillaria rhodantha</i> subsp. <i>fuscata</i> (Pfeiff.) Rogoz. & Plein wfo--0001432205 | 231 | <i>Mammillaria rhodocentra</i> var. <i>gracilispina</i> Salm-Dyck wfo--0001432230 | 226 |
| <i>Mammillaria rhodantha</i> subsp. <i>mccartanii</i> D.R.Hunt wfo--0001256361 | 231 | <i>Mammillaria rigidispina</i> Hildm. ex Quehl wfo--0000369150 | 227 |
| <i>Mammillaria rhodantha</i> subsp. <i>mollendorffiana</i> (Shurly) D.R.Hunt wfo--0001256388 | 231 | <i>Mammillaria rioverdense</i> Repp. wfo--0000378147 | 220 |
| <i>Mammillaria rhodantha</i> subsp. <i>odieriana</i> (Lem.) Rogoz. & Plein wfo--0001432206 | 230 | <i>Mammillaria rioverdensis</i> Repp. wfo--0000369152 | 220 |
| <i>Mammillaria rhodantha</i> subsp. <i>pringlei</i> (J.M.Coult.) D.R.Hunt wfo--0001256389 | 228 | <i>Mammillaria rischeri</i> Krüger wfo--0001432231 | 226 |
| <i>Mammillaria rhodantha</i> subsp. <i>rhodantha</i> wfo--0001256355 | 231 | <i>Mammillaria ritteriana</i> Boed. wfo--0001286218 | 208 |
| <i>Mammillaria rhodantha</i> subsp. <i>santarosensis</i> Rogoz. & Plein wfo--0001432207 | 231 | <i>Mammillaria ritteriana</i> var. <i>quadracentralis</i> R.T.Craig wfo--0001286219 | 208 |
| <i>Mammillaria rhodantha</i> var. <i>andreae</i> Otto ex Pfeiff. wfo--0001432208 | 229 | <i>Mammillaria robusta</i> Otto ex C.F.Först. wfo--0000369155 | 230 |
| <i>Mammillaria rhodantha</i> var. <i>aureiceps</i> (Lem.) Salm-Dyck wfo--0001432209 | 230 | <i>Mammillaria robustispina</i> Schott ex Engelm. wfo--0001287062 | 67 |
| <i>Mammillaria rhodantha</i> var. <i>callaena</i> K.Schum. wfo--0001432210 | 231 | <i>Mammillaria roemeri</i> Wolfg.Krüger & W.Rischer wfo--0000369149 | 208 |
| <i>Mammillaria rhodantha</i> var. <i>centrispina</i> (Pfeiff.) Link ex C.F.Först. wfo--0001432211 | 229 | <i>Mammillaria rosea</i> Scheidw. wfo--0001288949 | 419 |
| <i>Mammillaria rhodantha</i> var. <i>chrysacantha</i> (Pfeiff.) K.Schum. wfo--0001432212 | 231 | <i>Mammillaria roseana</i> K.Brandege wfo--0001288948 | 52 |
| <i>Mammillaria rhodantha</i> var. <i>crassispina</i> (Pfeiff.) K.Schum. wfo--0001432213 | 230 | <i>Mammillaria rosenis</i> R.T.Craig wfo--0000369153 | 224 |
| <i>Mammillaria rhodantha</i> var. <i>droegeana</i> K.Schum. wfo--0000378169 | 222 | <i>Mammillaria roseoalba</i> Boed. wfo--0001256391 | 231 |
| <i>Mammillaria rhodantha</i> var. <i>fuscata</i> (Pfeiff.) K.Schum. wfo--0001432214 | 231 | <i>Mammillaria roseocentra</i> Boed. & F.Ritter wfo--0000369161 | 405 |
| <i>Mammillaria rhodantha</i> var. <i>major</i> Monv. ex Lem. wfo--0001432215 | 230 | <i>Mammillaria rossiana</i> Heinrich wfo--0000369159 | 206 |
| <i>Mammillaria rhodantha</i> var. <i>neglecta</i> Pfeiff. wfo--0001432216 | 229 | <i>Mammillaria rubida</i> Fritz Schwarz wfo--0000369168 | 200 |
| <i>Mammillaria rhodantha</i> var. <i>odieriana</i> (Lem.) Schelle wfo--0001432217 | 230 | <i>Mammillaria rubidula</i> Ehrenb. wfo--0001288952 | 419 |
| <i>Mammillaria rhodantha</i> var. <i>pfeifferi</i> (J.R.Booth ex Scheidw.) K.Schum. wfo--0001432218 | 230 | <i>Mammillaria rubrograndis</i> Repp. & A.B.Lau wfo--0001256267 | 221 |
| <i>Mammillaria rhodantha</i> var. <i>prolifera</i> Pfeiff. wfo--0001432219 | 229 | <i>Mammillaria rueschiana</i> Regel wfo--0001288950 | 419 |
| <i>Mammillaria rhodantha</i> var. <i>pyramidalis</i> K.Schum. wfo--0001432220 | 231 | <i>Mammillaria ruestii</i> Quehl wfo--0000369169 | 202 |
| <i>Mammillaria rhodantha</i> var. <i>rubens</i> Pfeiff. wfo--0001432221 | 230 | <i>Mammillaria ruficeps</i> Lem. wfo--0001288951 | 230 |
| <i>Mammillaria rhodantha</i> var. <i>ruberrima</i> K.Schum. wfo--0001432222 | 231 | <i>Mammillaria rufidula</i> Ehrenb. wfo--0000369171 | 419 |
| <i>Mammillaria rhodantha</i> var. <i>rubescens</i> Salm-Dyck wfo--0001432223 | 231 | <i>Mammillaria rufocrocea</i> Salm-Dyck wfo--0001288953 | 207 |
| <i>Mammillaria rhodantha</i> var. <i>rubra</i> K.Schum. wfo--0001432224 | 231 | <i>Mammillaria runyonii</i> (Britton & Rose) Cory wfo--0001234542 | 65 |
| <i>Mammillaria rhodantha</i> var. <i>ruficeps</i> (Lem.) Salm-Dyck wfo--0001432225 | 230 | <i>Mammillaria russea</i> A.Dietr. wfo--0000369172 | 231 |
| <i>Mammillaria rhodantha</i> var. <i>stenocephala</i> K.Schum. wfo--0001432226 | 231 | <i>Mammillaria rutila</i> var. <i>octospina</i> Scheidw. wfo--0001432232 | 230 |
| <i>Mammillaria rhodantha</i> var. <i>sulphurea</i> (C.F.Först.) Salm-Dyck wfo--0001432227 | 230 | <i>Mammillaria rutila</i> var. <i>pallidior</i> Salm-Dyck wfo--0001432233 | 231 |
| <i>Mammillaria rhodantha</i> var. <i>wendlandii</i> Pfeiff. wfo--0001432228 | 230 | <i>Mammillaria rutila</i> Zucc. ex Pfeiff. wfo--0001288954 | 230 |
| <i>Mammillaria rhodocentra</i> Lem. wfo--0001288946 | 227 | <i>Mammillaria saboae</i> f. <i>haudeana</i> (A.B.Lau & K.Wagner) D.R.Hunt wfo--0001257435 | 52 |
| | | <i>Mammillaria saboae</i> Glass wfo--0001286980 | 52 |
| | | <i>Mammillaria saboae</i> subsp. <i>goldii</i> (Glass & R.A.Foster) D.R.Hunt wfo--0001256393 | 52 |
| | | <i>Mammillaria saboae</i> subsp. <i>haudeana</i> (A.B.Lau & K.Wagner) D.R.Hunt wfo--0001256394 | 52 |
| | | <i>Mammillaria saboae</i> subsp. <i>roczekii</i> W.Rischer & Wolfg.Krüger wfo--0001432234 | 52 |
| | | <i>Mammillaria saboae</i> var. <i>goldii</i> (Glass & R.A.Foster) G.D.Rowley wfo--0001432235 | 52 |
| | | <i>Mammillaria saboae</i> var. <i>haudeana</i> (A.B.Lau & K.Wagner) G.D.Rowley wfo--0001432236 | 52 |
| | | <i>Mammillaria saboae</i> var. <i>theresae</i> (Cutak) G.D.Rowley wfo--0001432237 | 53 |
| | | <i>Mammillaria saetigera</i> Boed. & Tiegel wfo--0000369162 | 212 |
| | | <i>Mammillaria saetigera</i> subsp. <i>woodsii</i> (R.T.Craig) Rogoz. & Plein wfo--0001432238 | 212 |

| | | | |
|--|-----|--|-----|
| <i>Mammillaria saetigera</i> var. <i>quadricentralis</i> R.T.Craig wfo---0001432239..... | 212 | <i>Mammillaria schiedeana</i> var. <i>dumetorum</i> (J.A.Purpus) Glass & R.A.Foster wfo---0001432250 | 232 |
| <i>Mammillaria saffordii</i> (Britton & Rose) Bravo wfo---0000369163..... | 202 | <i>Mammillaria schieliana</i> H.Schick wfo---0000369475..... | 226 |
| <i>Mammillaria saint-pieana</i> Backeb. wfo---0000369164 .. | 210 | <i>Mammillaria schlehtendalii</i> Ehrenb. wfo---0001288961 | 65 |
| <i>Mammillaria salm-dyckiana</i> Scheer wfo---0001288397... | 66 | <i>Mammillaria schlehtendalii</i> var. <i>laevior</i> Salm-Dyck wfo---0001432251 | 66 |
| <i>Mammillaria salm-dyckiana</i> var. <i>brunnea</i> Salm-Dyck wfo---0000378149..... | 66 | <i>Mammillaria schmerwitzii</i> J.N.Haage ex Rümpler wfo---0000369472 | 405 |
| <i>Mammillaria salmiana</i> Fennel ex C.F.Först. wfo---0000369166..... | 419 | <i>Mammillaria schmidtii</i> Sencke ex Rümpler wfo---0000369482 | 220 |
| <i>Mammillaria saltillensis</i> Boed. wfo---0000369167..... | 419 | <i>Mammillaria schmollii</i> (Bravo) Werderm. wfo---0001256154 | 206 |
| <i>Mammillaria san-angelensis</i> Sánchez-Mej. wfo---0001256153..... | 212 | <i>Mammillaria schumannii</i> Hildm. wfo---0001288671 | 53 |
| <i>Mammillaria sanchez-mejoradae</i> Rodr.González wfo---0001256397..... | 231 | <i>Mammillaria schumannii</i> var. <i>globosa</i> R.Wolf wfo---0001432252 | 53 |
| <i>Mammillaria sanchezmejoradae</i> subsp. <i>breviplumosa</i> (García-Mor., Ramírez-Chap., Sigala-Chav. & Iamónico) Guiggi wfo---0001432240 | 201 | <i>Mammillaria schwartzii</i> (Frič) Backeb. wfo---0000369483 | 202 |
| <i>Mammillaria sanguinea</i> J.N.Haage ex Regel wfo---0000369510..... | 234 | <i>Mammillaria schwarzii</i> Shurly wfo---0001256403 | 232 |
| <i>Mammillaria sanjuanensis</i> Repp. wfo---0000369303..... | 229 | <i>Mammillaria scolymoides</i> Scheidw. wfo---0000369484 .. | 62 |
| <i>Mammillaria sanluisensis</i> Shurly wfo---0000369463..... | 226 | <i>Mammillaria scolymoides</i> var. <i>longiseta</i> Salm-Dyck wfo---0001432253 | 63 |
| <i>Mammillaria santaclarensis</i> Cowper wfo---0001261222 .. | 49 | <i>Mammillaria scolymoides</i> var. <i>nigricans</i> Salm-Dyck wfo---0001432254 | 63 |
| <i>Mammillaria sartorii</i> f. <i>brevispina</i> J.A.Purpus wfo---0001432241..... | 232 | <i>Mammillaria scolymoides</i> var. <i>raphidacantha</i> Salm-Dyck wfo---0001432255 | 63 |
| <i>Mammillaria sartorii</i> f. <i>longispina</i> J.A.Purpus wfo---0001432242..... | 232 | <i>Mammillaria scrippsiana</i> (Britton & Rose) Orcutt wfo---0001256404 | 232 |
| <i>Mammillaria sartorii</i> J.A.Purpus wfo---0000369465 | 232 | <i>Mammillaria scrippsiana</i> subsp. <i>schumacheri</i> Linzen wfo---0001432256 | 232 |
| <i>Mammillaria saxatilis</i> Scheer wfo---0001288955..... | 419 | <i>Mammillaria scrippsiana</i> var. <i>armeria</i> Repp. wfo---0001432257 | 232 |
| <i>Mammillaria saxicola</i> Repp. wfo---0000369466 | 220 | <i>Mammillaria scrippsiana</i> var. <i>autlanensis</i> R.T.Craig & E.Y.Dawson wfo---0001432258..... | 232 |
| <i>Mammillaria scepontocentra</i> Lem. wfo---0001288956 | 67 | <i>Mammillaria scrippsiana</i> var. <i>pseudoscrippsiana</i> (Backeb.) Repp. wfo---0001432259 | 232 |
| <i>Mammillaria schaeferi</i> Fennel wfo---0001288957 | 222 | <i>Mammillaria scrippsiana</i> var. <i>rooksbyana</i> Backeb. wfo---0001432260 | 232 |
| <i>Mammillaria schaeferi</i> var. <i>longispina</i> J.N.Haage wfo---0001432243..... | 222 | <i>Mammillaria scrippsiana</i> var. <i>typica</i> R.T.Craig & E.Y.Dawson wfo---0001432261 | 232 |
| <i>Mammillaria scheeri</i> Muehlenpf. wfo---0000369458 | 68 | <i>Mammillaria seegeri</i> Ehrenb. wfo---0000369486 | 234 |
| <i>Mammillaria scheeri</i> var. <i>valida</i> Engelm. wfo---0001289962..... | 68 | <i>Mammillaria seegeri</i> var. <i>gracilispina</i> Salm-Dyck wfo---0001432262 | 234 |
| <i>Mammillaria scheidweileri</i> Otto wfo---0001288958 .. | 207 | <i>Mammillaria seegeri</i> var. <i>mirabilis</i> (Ehrenb.) Labour. wfo---0001432263 | 234 |
| <i>Mammillaria scheinvariana</i> R.Ortega V. & Glass wfo---0001256398..... | 232 | <i>Mammillaria seegeri</i> var. <i>pruinosa</i> (Ehrenb.) Salm-Dyck wfo---0001432264 | 234 |
| <i>Mammillaria schelhasei</i> Pfeiff. wfo---0001288959..... | 203 | <i>Mammillaria seemannii</i> Scheer wfo---0001288964..... | 409 |
| <i>Mammillaria schelhasii</i> f. <i>triuncinata</i> (Salm-Dyck) Schelle wfo---0001432244..... | 203 | <i>Mammillaria seideliana</i> Quehl wfo---0001257849 | 204 |
| <i>Mammillaria schelhasii</i> Pfeiff. wfo---0001432245..... | 203 | <i>Mammillaria seidelii</i> Tersch. wfo---0001288965 | 419 |
| <i>Mammillaria schelhasii</i> var. <i>aurihamata</i> (Boed.) Repp. wfo---0001261268 | 204 | <i>Mammillaria seitziana</i> Mart. wfo---0001288966 | 405 |
| <i>Mammillaria schelhasii</i> var. <i>lanuginosior</i> Hildm. ex K.Schum. wfo---0001432246 | 204 | <i>Mammillaria seitziana</i> var. <i>tolantongensis</i> Repp. wfo---0001432265 | 220 |
| <i>Mammillaria schelhasii</i> var. <i>rosea</i> Salm-Dyck wfo---0001432247..... | 203 | <i>Mammillaria sempervivi</i> DC. wfo---0001288967 | 208 |
| <i>Mammillaria schelhasii</i> var. <i>sericata</i> (Lem.) Salm-Dyck wfo---0001432248 | 219 | <i>Mammillaria sempervivi</i> f. <i>tetracantha</i> (DC.) Schelle wfo---0001432266 | 208 |
| <i>Mammillaria schelhasii</i> var. <i>triuncinata</i> Salm-Dyck wfo---0001432249..... | 203 | <i>Mammillaria sempervivi</i> var. <i>caput-medusae</i> (Otto ex Pfeiff.) Backeb. wfo---0001432267 | 208 |
| <i>Mammillaria schiedeana</i> Ehrenb. wfo---0001288960 .. | 232 | <i>Mammillaria sempervivi</i> var. <i>laeteviridis</i> Salm-Dyck wfo---0001432268 | 209 |
| <i>Mammillaria schiedeana</i> subsp. <i>dumetorum</i> (J.A.Purpus) D.R.Hunt wfo---0001256400 | 232 | <i>Mammillaria sempervivi</i> var. <i>tetracantha</i> DC. wfo---0001432269 | 208 |
| <i>Mammillaria schiedeana</i> subsp. <i>giselae</i> (Mart.-Aval. & Glass) Lüthy wfo---0001256401..... | 232 | <i>Mammillaria senckeana</i> K.Schum. wfo---0000369473 .. | 220 |
| <i>Mammillaria schiedeana</i> subsp. <i>schiedeana</i> wfo---0001256399..... | 232 | | |

| | | | |
|--|----------|--|-----|
| <i>Mammillaria senckeii</i> Horkel ex K.Schum. wfo--- 0000369474..... | 220 | <i>Mammillaria sonorensis</i> var. <i>brevispina</i> R.T.Craig wfo--- 0001432280..... | 232 |
| <i>Mammillaria senilis</i> Lodd. ex Salm-Dyck wfo---0001288968 | 232 | <i>Mammillaria sonorensis</i> var. <i>gentryi</i> R.T.Craig wfo--- 0001432281..... | 232 |
| <i>Mammillaria senilis</i> var. <i>diguetii</i> F.A.C.Weber wfo--- 0001257653..... | 232 | <i>Mammillaria sonorensis</i> var. <i>hiltonii</i> R.T.Craig wfo--- 0001432282..... | 233 |
| <i>Mammillaria senilis</i> var. <i>haseloffii</i> (Ehrenb.) Salm-Dyck wfo---0001432270..... | 232 | <i>Mammillaria sonorensis</i> var. <i>longispina</i> R.T.Craig wfo--- 0001432283..... | 233 |
| <i>Mammillaria senilis</i> var. <i>haseloffii</i> Ehrenb. ex Salm-Dyck wfo---0001432271..... | 232 | <i>Mammillaria sonorensis</i> var. <i>maccartyi</i> R.T.Craig wfo--- 0001432284..... | 233 |
| <i>Mammillaria senkii</i> C.F.Först. ex Salm-Dyck wfo--- 0000369477..... | 223 | <i>Mammillaria sororia</i> Meinsh. wfo---0001288971..... | 213 |
| <i>Mammillaria senkii</i> C.F.Först. wfo---0001432272 .. | 214, 223 | <i>Mammillaria spaethiana</i> Späth wfo---0000369442..... | 302 |
| <i>Mammillaria sericata</i> Lem. wfo---0000369478..... | 219 | <i>Mammillaria speciosa</i> de Vriese wfo---0001289010..... | 405 |
| <i>Mammillaria sessilis</i> Mottet wfo---0001432273..... | 419 | <i>Mammillaria spectabilis</i> Muehlenpf. wfo---0001288972419 | |
| <i>Mammillaria setispina</i> Engelm. ex J.M.Coult. wfo--- 0000369479..... | 53 | <i>Mammillaria sphaelata</i> f. <i>viperina</i> (J.A.Purpus) Battaia & Zanov. wfo---0001432285..... | 233 |
| <i>Mammillaria setosa</i> Pfeiff. wfo---0001288969..... | 227 | <i>Mammillaria sphaelata</i> Mart. wfo---0001288973..... | 233 |
| <i>Mammillaria severini</i> Regel & Klein bis wfo---0001432274 | 405 | <i>Mammillaria sphaelata</i> subsp. <i>sphaelata</i> wfo--- 0001256410..... | 233 |
| <i>Mammillaria severinii</i> Regel & Klein bis wfo---0000369480 | 405 | <i>Mammillaria sphaelata</i> subsp. <i>viperina</i> (J.A.Purpus) D.R.Hunt wfo---0001256411..... | 233 |
| <i>Mammillaria sheldonii</i> (Britton & Rose) Boed. wfo--- 0001286981..... | 53 | <i>Mammillaria sphaerica</i> A.Dietr. wfo---0001288974..... | 233 |
| <i>Mammillaria shurliana</i> H.E.Gates wfo---0000369434..... | 49 | <i>Mammillaria sphaerica</i> subsp. <i>paulii</i> (Linzen) Lodé wfo--- 0001432286..... | 233 |
| <i>Mammillaria silvatica</i> Repp. wfo---0000369461..... | 224 | <i>Mammillaria sphaerotricha</i> Lem. wfo---0001288975..... | 201 |
| <i>Mammillaria similis</i> Engelm. wfo---0001287414..... | 130 | <i>Mammillaria sphaerotricha</i> var. <i>rosea</i> Salm-Dyck wfo--- 0001432287..... | 201 |
| <i>Mammillaria similis</i> var. <i>caespitosa</i> Engelm. wfo--- 0001263047..... | 130 | <i>Mammillaria spinaurea</i> Salm-Dyck wfo---0001288976 .. | 419 |
| <i>Mammillaria similis</i> var. <i>robustior</i> Engelm. wfo--- 0000739001..... | 130 | <i>Mammillaria spinii</i> Colla ex Salm-Dyck wfo---0000369453 | 205 |
| <i>Mammillaria simplex</i> Haw. wfo---0000369437..... | 197, 220 | <i>Mammillaria spinosa</i> G.Don wfo---0000369452..... | 419 |
| <i>Mammillaria simplex</i> Torr. & A.Gray wfo---0001289968221 | | <i>Mammillaria spinosissima</i> f. <i>auricoma</i> (Gürke) Schelle wfo-- -0001432288..... | 234 |
| <i>Mammillaria simplex</i> var. <i>albidispina</i> Backeb. wfo--- 0001432275..... | 221 | <i>Mammillaria spinosissima</i> f. <i>brunnea</i> (Salm-Dyck) Gürke wfo---0001432289..... | 234 |
| <i>Mammillaria simplex</i> var. <i>flavescens</i> (DC.) K.Schum. wfo--- 0001288790..... | 223 | <i>Mammillaria spinosissima</i> f. <i>eximia</i> (Ehrenb.) Schelle wfo-- -0001432290..... | 234 |
| <i>Mammillaria simplex</i> var. <i>parvimamma</i> (Haw.) Lem. wfo--- 0001432276..... | 221 | <i>Mammillaria spinosissima</i> f. <i>flavida</i> (Salm-Dyck) Gürke wfo---0001432291..... | 234 |
| <i>Mammillaria simpsonii</i> (Engelm.) M.E.Jones wfo--- 0001289924..... | 301 | <i>Mammillaria spinosissima</i> f. <i>isabellina</i> (Ehrenb.) Schelle wfo---0001432292..... | 234 |
| <i>Mammillaria sinforosensis</i> f. <i>rubriflora</i> (Hils) Linzen & R.Schumach. wfo---0001432277..... | 235 | <i>Mammillaria spinosissima</i> f. <i>rubens</i> (Salm-Dyck) Gürke wfo---0001432293..... | 234 |
| <i>Mammillaria sinforosensis</i> Linzen & R.Schumach. wfo--- 0000509783..... | 235 | <i>Mammillaria spinosissima</i> f. <i>typica</i> Gürke wfo--- 0001432294..... | 235 |
| <i>Mammillaria sinforosensis</i> subsp. <i>cobrensis</i> (Repp. ex Hils) Linzen & R.Schumach. wfo---0001432278..... | 235 | <i>Mammillaria spinosissima</i> Lem. wfo---0001288977..... | 233 |
| <i>Mammillaria sinforosensis</i> subsp. <i>marionae</i> Linzen & R.Schumach. wfo---0001432279..... | 235 | <i>Mammillaria spinosissima</i> subsp. <i>pilcayensis</i> (Bravo) D.R.Hunt wfo---0001256414..... | 235 |
| <i>Mammillaria sinistrohamata</i> Boed. wfo---0001256406..... | 232 | <i>Mammillaria spinosissima</i> subsp. <i>spinosissima</i> wfo--- 0001256413..... | 235 |
| <i>Mammillaria slevinii</i> (Britton & Rose) Boed. wfo--- 0000369438..... | 48 | <i>Mammillaria spinosissima</i> subsp. <i>tepoxtlana</i> D.R.Hunt wfo-- -0001256415..... | 235 |
| <i>Mammillaria sneedii</i> (Britton & Rose) Cory wfo--- 0001234543..... | 131 | <i>Mammillaria spinosissima</i> var. <i>auricoma</i> Gürke wfo--- 0001432295..... | 234 |
| <i>Mammillaria soehlemannii</i> W.Haage & Backeb. wfo--- 0000369439..... | 202 | <i>Mammillaria spinosissima</i> var. <i>aurorea</i> (A.Dietr.) Gürke wfo---0001432296..... | 233 |
| <i>Mammillaria solisii</i> (Britton & Rose) Boed. wfo--- 0000369436..... | 224 | <i>Mammillaria spinosissima</i> var. <i>brunnea</i> Salm-Dyck wfo--- 0001432297..... | 234 |
| <i>Mammillaria solisioides</i> Backeb. wfo---0001256408..... | 224 | <i>Mammillaria spinosissima</i> var. <i>castaneoides</i> (Lem. ex Labour.) Borg wfo---0001432298..... | 234 |
| <i>Mammillaria solitaria</i> G.Don ex Loudon wfo---0000369441 | 405 | <i>Mammillaria spinosissima</i> var. <i>eximia</i> (Ehrenb.) Gürke wfo-- -0001432299..... | 234 |
| <i>Mammillaria sonorensis</i> R.T.Craig wfo---0001256409 .. | 232 | | |

| | | | |
|---|----------|---|-----|
| <i>Mammillaria spinosissima</i> var. <i>flavida</i> Salm-Dyck wfo--0001432300..... | 234 | <i>Mammillaria strobiliformis</i> f. <i>durispina</i> (Quehl) Schelle wfo--0000378152 | 131 |
| <i>Mammillaria spinosissima</i> var. <i>genuina</i> Gürke wfo--0001432301..... | 235 | <i>Mammillaria strobiliformis</i> f. <i>pubescens</i> (Quehl) Schelle wfo--0001432321 | 131 |
| <i>Mammillaria spinosissima</i> var. <i>haseloffii</i> Gürke wfo--0001432302..... | 235 | <i>Mammillaria strobiliformis</i> f. <i>rufispina</i> (Quehl) Schelle wfo--0001432322 | 132 |
| <i>Mammillaria spinosissima</i> var. <i>hepatica</i> (Ehrenb.) Labour. wfo--0001432303..... | 233 | <i>Mammillaria strobiliformis</i> Scheer ex Salm-Dyck wfo--0001432323 | 129 |
| <i>Mammillaria spinosissima</i> var. <i>herrmannii</i> (Ehrenb.) Gürke wfo--0001432304..... | 234 | <i>Mammillaria strobiliformis</i> var. <i>caespititia</i> Quehl wfo--0001432324 | 129 |
| <i>Mammillaria spinosissima</i> var. <i>isabellina</i> (Ehrenb.) Gürke wfo--0001432305..... | 234 | <i>Mammillaria strobiliformis</i> var. <i>durispina</i> Quehl wfo--0000378153 | 131 |
| <i>Mammillaria spinosissima</i> var. <i>linkeana</i> (Ehrenb.) Gürke wfo--0001432306..... | 234 | <i>Mammillaria strobiliformis</i> var. <i>pubescens</i> Quehl wfo--0001432325 | 131 |
| <i>Mammillaria spinosissima</i> var. <i>mirabilis</i> (Ehrenb.) Gürke wfo--0001432307..... | 234 | <i>Mammillaria strobiliformis</i> var. <i>rufispina</i> Quehl wfo--0001286186 | 132 |
| <i>Mammillaria spinosissima</i> var. <i>pretiosa</i> (Ehrenb.) Schelle wfo--0001432308..... | 234 | <i>Mammillaria strobilina</i> Tiegel wfo--0000369517 | 215 |
| <i>Mammillaria spinosissima</i> var. <i>pruinosa</i> (Ehrenb.) Gürke wfo--0001432309..... | 234 | <i>Mammillaria stueberi</i> C.F.Först. wfo--0001288982 | 230 |
| <i>Mammillaria spinosissima</i> var. <i>pulcherrima</i> (Ehrenb.) Gürke wfo--0001432310 | 234 | <i>Mammillaria suaveolens</i> Hort. ex Rümpler wfo--0000369518 | 405 |
| <i>Mammillaria spinosissima</i> var. <i>rubens</i> Salm-Dyck wfo--0001432311..... | 234 | <i>Mammillaria subangularis</i> DC. wfo--0001288983 | 202 |
| <i>Mammillaria spinosissima</i> var. <i>sanguinea</i> (J.N.Haage ex Regel) Brandegee wfo--0001432312..... | 234 | <i>Mammillaria subcirrhifera</i> C.F.Först. wfo--0000369520203 | |
| <i>Mammillaria spinosissima</i> var. <i>seegeri</i> (Ehrenb.) Gürke wfo--0001432313 | 234 | <i>Mammillaria subcrocea</i> DC. wfo--0001288984 | 206 |
| <i>Mammillaria spinosissima</i> var. <i>vulpina</i> (Ehrenb.) Gürke wfo--0001432314..... | 234 | <i>Mammillaria subcrocea</i> var. <i>echinata</i> (DC.) Y.Itô wfo--0001432326 | 207 |
| <i>Mammillaria splendens</i> Ehrenb. wfo--0000369445 | 209 | <i>Mammillaria subcurvata</i> A.Dietr. wfo--0001288985 | 219 |
| <i>Mammillaria squarrosa</i> Meinsh. wfo--0001288978..... | 203 | <i>Mammillaria subducta</i> (D.R.Hunt) Repp. wfo--0000369521 | 217 |
| <i>Mammillaria stampferi</i> Repp. wfo--0001256256..... | 217 | <i>Mammillaria subducta</i> var. <i>dasyacantha</i> (D.R.Hunt) Repp. wfo--0001432327 | 217 |
| <i>Mammillaria standleyi</i> (Britton & Rose) Orcutt wfo--0001256418..... | 235 | <i>Mammillaria subdurispina</i> Fritz Schwarz wfo--0000369523 | 227 |
| <i>Mammillaria standleyi</i> var. <i>robustispina</i> R.T.Craig wfo--0001432315..... | 235 | <i>Mammillaria subechinata</i> Salm-Dyck wfo--0001288986 | 207 |
| <i>Mammillaria staurotypa</i> C.F.Först. wfo--0000369446 | 209 | <i>Mammillaria subg. Cochemiea</i> K.Brandegee wfo--3500004026 | 48 |
| <i>Mammillaria stella-aurata</i> Mart. ex Zucc. wfo--0001288979..... | 207 | <i>Mammillaria subg. Coryphanta</i> Engelm. wfo--3500004034 | 61 |
| <i>Mammillaria stella-aurata</i> var. <i>gracilispina</i> Salm-Dyck wfo--0001432316 | 207 | <i>Mammillaria subg. Dolichothele</i> K.Schum. wfo--3500004016 | 197 |
| <i>Mammillaria stella-de-tacubaya</i> Heese wfo--0001256419 | 216 | <i>Mammillaria subpolyedra</i> Salm-Dyck wfo--0001288987 | 214 |
| <i>Mammillaria stella-de-tacubaya</i> subsp. <i>egregia</i> (Backeb. ex Rogoz. & Appenz.) Appenz. & Linzen wfo--0001432317..... | 216 | <i>Mammillaria subtetragona</i> A.Dietr. wfo--0001288988 | 201 |
| <i>Mammillaria stella-de-tacubaya</i> var. <i>egregia</i> (Backeb. ex Rogoz. & Appenz.) Rogoz. & Plein wfo--0001432318..... | 216 | <i>Mammillaria subtilis</i> Backeb. wfo--0000369536 | 226 |
| <i>Mammillaria stellaris</i> Haw. wfo--0000369448 | 228 | <i>Mammillaria subulata</i> Muehlenpf. wfo--0000369526 | 405 |
| <i>Mammillaria stellata</i> Haw. wfo--0001288817 | 408 | <i>Mammillaria subulifera</i> Ehrenb. wfo--0001288989..... | 419 |
| <i>Mammillaria stenocephala</i> Scheidw. ex Labour. wfo--0000369487..... | 231 | <i>Mammillaria sulcata</i> Engelm. wfo--0001288398..... | 68 |
| <i>Mammillaria stenocephala</i> Scheidw. wfo--0000369531 | 230, 231 | <i>Mammillaria sulcimamma</i> Pfeiff. ex Salm-Dyck wfo--0000369533 | 66 |
| <i>Mammillaria stipitata</i> Scheidw. ex Labour. wfo--0001432319..... | 62 | <i>Mammillaria sulcoglandulifera</i> Jacobi wfo--000036953462 | |
| <i>Mammillaria stipitata</i> Scheidw. wfo--0001265729..... | 62 | <i>Mammillaria sulcolanata</i> Lem. wfo--0001288399..... | 64 |
| <i>Mammillaria straminea</i> Haw. wfo--0000369525 | 223 | <i>Mammillaria sulphurea</i> C.F.Först. wfo--0000369535 ... | 230 |
| <i>Mammillaria strobiliformis</i> Engelm. wfo--0001288981 | 131 | <i>Mammillaria supertexta</i> Mart. ex Pfeiff. wfo--0001288990 | 236 |
| <i>Mammillaria strobiliformis</i> f. <i>caespititia</i> (Quehl) Schelle wfo--0001432320 | 129 | <i>Mammillaria supertexta</i> var. <i>dichotoma</i> Salm-Dyck wfo--0001432328 | 236 |
| | | <i>Mammillaria supertexta</i> var. <i>leucostoma</i> Backeb. wfo--0001432329 | 236 |
| | | <i>Mammillaria supraflumen</i> Repp. wfo--0000369537..... | 224 |
| | | <i>Mammillaria surculosa</i> Boed. wfo--0001288317..... | 236 |
| | | <i>Mammillaria swinglei</i> (Britton & Rose) Boed. wfo--0001248221 | 53 |

| | | | |
|---|-----|--|-----|
| <i>Mammillaria swinglei</i> var. <i>diablos</i> P.C.Fisch. wfo-- 0001432330..... | 51 | <i>Mammillaria triacantha</i> DC. wfo--0001288999..... | 202 |
| <i>Mammillaria tacubayensis</i> Fedde wfo--0001257883..... | 216 | <i>Mammillaria trichacantha</i> K.Schum. wfo--0001257867203 | |
| <i>Mammillaria tamayonis</i> Killip ex Schnee wfo--0000369530 | 202 | <i>Mammillaria trichacantha</i> subsp. <i>duwei</i> (Rogoz. & P.J.Braun) Mottram wfo--0001432340..... | 206 |
| <i>Mammillaria tayloriorum</i> Glass & R.A.Foster wfo-- 0001256421..... | 236 | <i>Mammillaria trohartii</i> Hildm. ex K.Schum. wfo-- 0000369489..... | 220 |
| <i>Mammillaria tecta</i> Miq. wfo--0001288991..... | 419 | <i>Mammillaria tropica</i> Repp. wfo--0000369490..... | 215 |
| <i>Mammillaria tegelbergiana</i> H.E.Gates ex G.E.Linds. wfo-- 0001249719..... | 198 | <i>Mammillaria tuberculata</i> Engelm. wfo--0000369491... .. | 129 |
| <i>Mammillaria temorisensis</i> Rogoz. & Plein wfo-- 0000746764..... | 235 | <i>Mammillaria tuberculosa</i> Engelm. wfo--0001289762 .. | 131 |
| <i>Mammillaria tenampensis</i> (Britton & Rose) A.Berger wfo-- 0000369528..... | 232 | <i>Mammillaria turbinata</i> Hook. wfo--0001289002 | 360 |
| <i>Mammillaria tentaculata</i> Pfeiff. wfo--0001288992 | 230 | <i>Mammillaria uberiformis</i> var. <i>gracilior</i> Meinsh. wfo-- 0001432341..... | 217 |
| <i>Mammillaria tentaculata</i> var. <i>conothele</i> Monv. ex Labour. wfo--0001432331..... | 231 | <i>Mammillaria uberiformis</i> var. <i>hexacentra</i> Salm-Dyck wfo-- 0001432342..... | 217 |
| <i>Mammillaria tentaculata</i> var. <i>picta</i> Rümpler wfo-- 0001432332..... | 231 | <i>Mammillaria uberiformis</i> Zucc. ex Pfeiff. wfo-- 0001288401..... | 217 |
| <i>Mammillaria tenuis</i> DC. wfo--0001288993 | 206 | <i>Mammillaria uberimamma</i> Monv. ex Rümpler wfo-- 0000369488..... | 220 |
| <i>Mammillaria tenuis</i> var. <i>media</i> DC. wfo--0001432333 .. | 206 | <i>Mammillaria uhdeana</i> Salm-Dyck wfo--0000369495 ... | 234 |
| <i>Mammillaria tepexicensis</i> J.Meyrán wfo--0001256422 .. | 217 | <i>Mammillaria umbrina</i> Ehrenb. wfo--0001289003 | 234 |
| <i>Mammillaria tesopacensis</i> R.T.Craig wfo--0001248218 .. | 233 | <i>Mammillaria uncinata</i> var. <i>bihamata</i> (Pfeiff.) Backeb. wfo-- -0001432343..... | 236 |
| <i>Mammillaria tesopacensis</i> var. <i>papasquiarensis</i> Bravo ex S.Arias, U.Guzmán & Gama wfo--0001261271..... | 211 | <i>Mammillaria uncinata</i> var. <i>biuncinata</i> Lem. wfo-- 0001432344..... | 236 |
| <i>Mammillaria tesopacensis</i> var. <i>rubraflora</i> R.T.Craig wfo-- 0001432334..... | 233 | <i>Mammillaria uncinata</i> var. <i>rhodantha</i> A.Dietr. wfo-- 0001432345..... | 236 |
| <i>Mammillaria tetracantha</i> Salm-Dyck ex Pfeiff. wfo-- 0001288996..... | 227 | <i>Mammillaria uncinata</i> var. <i>spinosior</i> Lem. wfo-- 0001432346..... | 236 |
| <i>Mammillaria tetracentra</i> Salm-Dyck wfo--0001262788 .. | 209 | <i>Mammillaria uncinata</i> Zucc. ex Pfeiff. wfo--0001287030 | 236 |
| <i>Mammillaria tetrancistra</i> Engelm. wfo--0001287103 | 53 | <i>Mammillaria unihamata</i> Boed. wfo--0000369496 | 237 |
| <i>Mammillaria texana</i> (Engelm.) M.J.Young wfo-- 0001289967..... | 228 | <i>Mammillaria uniseta</i> K.Schum. wfo--0000369497 | 405 |
| <i>Mammillaria texensis</i> Labour. wfo--0001288997 | 213 | <i>Mammillaria urbaniana</i> Vaupel wfo--0000369508 | 204 |
| <i>Mammillaria tezontle</i> W.A.Fitz Maur. & B.Fitz Maur. wfo-- 0001261274..... | 204 | <i>Mammillaria vagaspina</i> R.T.Craig wfo--0000369493 ... | 220 |
| <i>Mammillaria thelocamptos</i> Lehm. wfo--0000369519..... | 65 | <i>Mammillaria vagaspina</i> subsp. <i>immersa</i> Mészáros & Szutorisz wfo--0001432347 | 220 |
| <i>Mammillaria theresae</i> Cutak wfo--0001249085 | 53 | <i>Mammillaria valdeziana</i> (H.Moeller) H.P.Kelsey & Dayton wfo--0000378385 | 375 |
| <i>Mammillaria thornberi</i> Orcutt wfo--0001287104 | 53 | <i>Mammillaria valida</i> F.A.C.Weber wfo--0001265743 | 66 |
| <i>Mammillaria thornberi</i> subsp. <i>yaquensis</i> (R.T.Craig) D.R.Hunt wfo--0001256424 | 53 | <i>Mammillaria valida</i> Purpus wfo--0001265735 | 66 |
| <i>Mammillaria thornberi</i> var. <i>yaquensis</i> (R.T.Craig) Neutel. wfo--0001432335..... | 53 | <i>Mammillaria vallensis</i> Repp. wfo--0000369511 | 220 |
| <i>Mammillaria tiegeliana</i> Backeb. wfo--0000369503 | 224 | <i>Mammillaria vallensis</i> var. <i>brevispina</i> Repp. wfo-- 0001432348..... | 220 |
| <i>Mammillaria tinuvielae</i> Laferr. wfo--0000369499 | 233 | <i>Mammillaria variabilis</i> Repp. wfo--0000369512 | 208 |
| <i>Mammillaria tlalocii</i> Repp. wfo--0001255889..... | 204 | <i>Mammillaria variamamma</i> Ehrenb. wfo--0001289004 .. | 419 |
| <i>Mammillaria toaldoae</i> Lehm. ex Walp. wfo--0000369501 | 209 | <i>Mammillaria varieaculeata</i> F.G.Buchenau wfo-- 0001286982..... | 236 |
| <i>Mammillaria tobuschii</i> W.T.Marshall wfo--0001246596 | 336 | <i>Mammillaria vaupelii</i> Tiegel wfo--0001286247 | 212 |
| <i>Mammillaria tolimensis</i> R.T.Craig wfo--0000369502 .. | 203 | <i>Mammillaria vaupelii</i> var. <i>flavispina</i> W.T.Neale wfo-- 0001434888..... | 212 |
| <i>Mammillaria tolimensis</i> var. <i>brevispina</i> R.T.Craig wfo-- 0001432336..... | 203 | <i>Mammillaria venusta</i> K.Brandege wfo--0001243897 ... | 53 |
| <i>Mammillaria tolimensis</i> var. <i>longispina</i> R.T.Craig wfo-- 0001432337..... | 203 | <i>Mammillaria verhaertiana</i> Boed. wfo--0001248432 | 52 |
| <i>Mammillaria tolimensis</i> var. <i>subuncinata</i> R.T.Craig wfo-- 0001432338..... | 203 | <i>Mammillaria versicolor</i> Scheidw. wfo--0001289005 ... | 218 |
| <i>Mammillaria tomentosa</i> Ehrenb. wfo--0001288998..... | 235 | <i>Mammillaria verticealba</i> Repp. wfo--0001256360 | 231 |
| <i>Mammillaria tomentosa</i> var. <i>flava</i> Salm-Dyck wfo-- 0001432339..... | 234 | <i>Mammillaria verticealba</i> var. <i>zacatecasensis</i> Repp. wfo-- 0001432349..... | 231 |
| <i>Mammillaria tonalensis</i> D.R.Hunt wfo--0001256425 .. | 236 | <i>Mammillaria vetula</i> Mart. wfo--0001286983 | 236 |
| <i>Mammillaria tortolensis</i> Pfeiff. wfo--0000369494 | 223 | <i>Mammillaria vetula</i> subsp. <i>gracilis</i> (Pfeiff.) D.R.Hunt wfo-- 0001256427..... | 236 |
| | | <i>Mammillaria vetula</i> subsp. <i>lacostei</i> Plein & Heinr.Weber wfo--0001432350 | 236 |

| | | | |
|---|-----|---|-----|
| <i>Mammillaria vetula</i> subsp. <i>magneticola</i> (J.Meyrán) U.Guzmán wfo--0001286271 | 236 | <i>Mammillaria voburnensis</i> var. <i>voburnensis</i> wfo-- 0001040132 | 214 |
| <i>Mammillaria vetula</i> subsp. <i>vetula</i> wfo--0001256426 | 236 | <i>Mammillaria vonwysiana</i> Krainz wfo--0000369504 | 225 |
| <i>Mammillaria viereckii</i> Boed. wfo--0001256333 | 225 | <i>Mammillaria vonwysii</i> Krainz wfo--0000378388 | 225 |
| <i>Mammillaria viescens</i> Rogoz. & Appenz. wfo-- 0001261278 | 209 | <i>Mammillaria vulpina</i> Ehrenb. wfo--0001289011 | 234 |
| <i>Mammillaria villifera</i> Otto wfo--0001289006 | 201 | <i>Mammillaria wagneriana</i> Boed. wfo--0001256429 | 237 |
| <i>Mammillaria villifera</i> var. <i>aeruginosa</i> (Scheidw.) Salm-Dyck wfo--0001432351 | 201 | <i>Mammillaria waltheri</i> Boed. wfo--0001271932 | 213 |
| <i>Mammillaria villifera</i> var. <i>carnea</i> (Zucc. ex Pfeiff.) Salm- Dyck wfo--0001432352 | 201 | <i>Mammillaria webbiana</i> Lem. wfo--0001289012 | 227 |
| <i>Mammillaria villifera</i> var. <i>cirrosa</i> Salm-Dyck wfo-- 0001432353 | 201 | <i>Mammillaria webbiana</i> var. <i>longispina</i> Jacobi wfo-- 0001432362 | 226 |
| <i>Mammillaria villosa</i> Fennel ex C.F.Först. wfo--0000369278 | 405 | <i>Mammillaria wegneri</i> Ehrenb. wfo--0001289013 | 419 |
| <i>Mammillaria viperina</i> J.A.Purpus wfo--0001256412 | 233 | <i>Mammillaria weingartiana</i> Boed. wfo--0001256430 | 237 |
| <i>Mammillaria virens</i> Scheidw. wfo--0001289007 | 214 | <i>Mammillaria werdermanii</i> H.Weiss wfo--0000369312 | 419 |
| <i>Mammillaria virginis</i> Fittkau & Kladiwa wfo--0001286984 | 235 | <i>Mammillaria wiesingeri</i> Boed. wfo--0001256431 | 237 |
| <i>Mammillaria viridiflora</i> (Britton & Rose) Boed. wfo-- 0001286985 | 54 | <i>Mammillaria wiesingeri</i> subsp. <i>apamensis</i> (Repp.) D.R.Hunt wfo--0001256433 | 237 |
| <i>Mammillaria viridis</i> Salm-Dyck wfo--0001289008 | 214 | <i>Mammillaria wiesingeri</i> subsp. <i>wiesingeri</i> wfo-- 0001256432 | 237 |
| <i>Mammillaria viridis</i> var. <i>praelii</i> (Muehlenpf.) Salm-Dyck wfo--0001289538 | 214 | <i>Mammillaria wilcoxii</i> Toumey ex K.Schum. wfo-- 0001248431 | 54 |
| <i>Mammillaria viridula</i> Ehrenb. wfo--0000369514 | 239 | <i>Mammillaria wildiana</i> Otto wfo--0001289014 | 211 |
| <i>Mammillaria viridula</i> var. <i>minima</i> Salm-Dyck wfo-- 0001432354 | 239 | <i>Mammillaria wildiana</i> var. <i>major</i> Salm-Dyck wfo-- 0001432363 | 211 |
| <i>Mammillaria vivipara</i> (Nutt.) Haw. wfo--0001287413 | 132 | <i>Mammillaria wildiana</i> var. <i>rosea</i> Salm-Dyck wfo-- 0001432364 | 211 |
| <i>Mammillaria vivipara</i> subsp. <i>radiosa</i> Engelm. wfo-- 0001289275 | 132 | <i>Mammillaria wildii</i> A.Dietr. wfo--0001287031 | 204 |
| <i>Mammillaria vivipara</i> subvar. <i>neomexicana</i> Engelm. wfo-- 0001432355 | 132 | <i>Mammillaria williamsii</i> J.M.Coult. wfo--0000369307 | 193 |
| <i>Mammillaria vivipara</i> var. <i>aggregata</i> (Engelm.) L.D.Benson wfo--0001432356 | 132 | <i>Mammillaria winkleri</i> C.F.Först. wfo--0001289015 | 67 |
| <i>Mammillaria vivipara</i> var. <i>alversonii</i> (J.M.Coult.) L.D.Benson wfo--0001288943 | 128 | <i>Mammillaria winterae</i> Boed. wfo--0001256434 | 237 |
| <i>Mammillaria vivipara</i> var. <i>arizonica</i> (Engelm.) L.D.Benson wfo--0001432357 | 132 | <i>Mammillaria winterae</i> subsp. <i>aramberri</i> D.R.Hunt wfo-- 0001256436 | 237 |
| <i>Mammillaria vivipara</i> var. <i>chlorantha</i> (Engelm.) L.D.Benson wfo--0001432358 | 129 | <i>Mammillaria winterae</i> subsp. <i>winterae</i> wfo--0001256435 | 237 |
| <i>Mammillaria vivipara</i> var. <i>deserti</i> (Engelm.) L.D.Benson wfo--0001432359 | 132 | <i>Mammillaria wissmannii</i> Hildm. ex K.Schum. wfo-- 0001257692 | 130 |
| <i>Mammillaria vivipara</i> var. <i>radiosa</i> Engelm. wfo-- 0001288940 | 132 | <i>Mammillaria woburnensis</i> Scheer wfo--0001432365 | 214 |
| <i>Mammillaria vivipara</i> var. <i>vera</i> Engelm. wfo--0001432360 | 132 | <i>Mammillaria woburnensis</i> subsp. <i>eichlamii</i> (Quehl) D.R.Hunt wfo--0001256428 | 206 |
| <i>Mammillaria voburnensis</i> Scheer wfo--0001287403 | 214 | <i>Mammillaria woburnensis</i> var. <i>collinsii</i> (Britton & Rose) Repp. wfo--0001257191 | 215 |
| <i>Mammillaria voburnensis</i> subsp. <i>collinsii</i> (Britton & Rose) U.Guzmán wfo--0001286273 | 215 | <i>Mammillaria woburnensis</i> var. <i>eichlamii</i> (Quehl) Repp. wfo--0001257199 | 206 |
| <i>Mammillaria voburnensis</i> subsp. <i>eichlamii</i> (Quehl) D.R.Hunt wfo--0000369507 | 206 | <i>Mammillaria wohlschlageri</i> Repp. wfo--0001256239 | 216 |
| <i>Mammillaria voburnensis</i> subsp. <i>voburnensis</i> wfo-- 0001286275 | 214 | <i>Mammillaria woodsii</i> R.T.Craig wfo--0001256207 | 212 |
| <i>Mammillaria voburnensis</i> var. <i>collinsii</i> (Britton & Rose) Repp. wfo--0001432361 | 215 | <i>Mammillaria wrightii</i> Engelm. wfo--0001286986 | 54 |
| <i>Mammillaria voburnensis</i> var. <i>eichlamii</i> (Quehl) Repp. wfo- --0000369506 | 206 | <i>Mammillaria wrightii</i> f. <i>wolfii</i> D.R.Hunt wfo--0001257437 | 54 |
| <i>Mammillaria voburnensis</i> var. <i>gerhardii</i> Diers wfo-- 0001286277 | 215 | <i>Mammillaria wrightii</i> subsp. <i>wilcoxii</i> (Toumey ex K.Schum.) D.R.Hunt wfo--0001256440 | 54 |
| <i>Mammillaria voburnensis</i> var. <i>quetzalcoatl</i> Repp. wfo-- 0001286274 | 215 | <i>Mammillaria wrightii</i> var. <i>viridiflora</i> (Britton & Rose) W.T.Marshall wfo--0001432366 | 54 |
| | | <i>Mammillaria wrightii</i> var. <i>wilcoxii</i> (Toumey ex K.Schum.) W.T.Marshall wfo--0001286987 | 54 |
| | | <i>Mammillaria wrightii</i> var. <i>wolfii</i> (D.R.Hunt) Repp. wfo-- 0001261280 | 54 |
| | | <i>Mammillaria wrightii</i> var. <i>wrightii</i> wfo--0001288423 | 54 |
| | | <i>Mammillaria wuthenauiana</i> Backeb. wfo--0000369305 | 224 |
| | | <i>Mammillaria xaltiangensis</i> Sánchez-Mej. wfo-- 0001256441 | 237 |
| | | <i>Mammillaria xaltiangensis</i> subsp. <i>bambusiphila</i> (Repp.) D.R.Hunt wfo--0001256443 | 237 |

| | | | |
|--|----------|---|----------|
| <i>Mammillaria xaltiangensis</i> subsp. <i>xaltiangensis</i> wfo--0001256442..... | 237 | <i>Maritinocereus</i> Akers & Buining wfo--4000023175..... | 29 |
| <i>Mammillaria xaltiangensis</i> var. <i>aguilensis</i> Repp. wfo--0001432367..... | 237 | <i>Maritinocereus gracilis</i> Akers & Buining wfo--0001289148..... | 32 |
| <i>Mammillaria xanthina</i> (Britton & Rose) Boed. wfo--0000369306..... | 235 | <i>Marniera</i> Backeb. wfo--4000023190..... | 109 |
| <i>Mammillaria xanthispina</i> Sencke wfo--0001432368..... | 419 | <i>Marniera chrysocardia</i> (Alexander) Backeb. wfo--0000369320..... | 109 |
| <i>Mammillaria xanthotricha</i> Scheidw. wfo--0001289016..... | 223 | <i>Marniera chrysocardium</i> (Alexander) Backeb. wfo--0001289784..... | 109 |
| <i>Mammillaria xanthotricha</i> Scheidw. wfo--0001265747..... | 223 | <i>Marniera macroptera</i> (Lem.) Backeb. wfo--0000369318..... | 109, 403 |
| <i>Mammillaria xanthotricha</i> var. <i>laevior</i> Salm-Dyck wfo--0001432369..... | 223 | <i>Marniera macroptera</i> var. <i>kimnachii</i> (Bravo ex Kimnach) Backeb. wfo--0001233007..... | 84 |
| <i>Mammillaria xochipilli</i> Repp. wfo--0000369308..... | 227 | <i>Marshallocereus aragonii</i> (F.A.C.Weber) Backeb. wfo--0000369322..... | 238 |
| <i>Mammillaria yaquensis</i> R.T.Craig wfo--0001287216..... | 53 | <i>Marshallocereus aragonii</i> subsp. <i>eichlamii</i> (Britton & Rose) Guiggi wfo--0001432376..... | 238 |
| <i>Mammillaria yucatanensis</i> (Britton & Rose) Orcutt wfo--0000369310..... | 202 | <i>Marshallocereus</i> Backeb. wfo--4000023207..... | 238 |
| <i>Mammillaria zacatecasensis</i> Shurly wfo--0001256224..... | 214 | <i>Marshallocereus thurberi</i> (Engelm.) Backeb. wfo--0001228437..... | 359 |
| <i>Mammillaria zahniana</i> Boed. & F.Ritter wfo--0000369311..... | 237 | <i>Marshallocereus thurberi</i> var. <i>littoralis</i> (K.Brandegee) Backeb. wfo--0001228438..... | 359 |
| <i>Mammillaria zapilotensis</i> R.T.Craig wfo--0000369319..... | 211 | <i>Matucana xmirabilis</i> Buining wfo--0001287905..... | 390 |
| <i>Mammillaria zegschwitzii</i> Pfeiff. wfo--0001289017..... | 409 | <i>Matucana aurantiaca</i> (Vaupel) Buxb. wfo--0001287845..... | 238 |
| <i>Mammillaria zeilmanniana</i> Boed. wfo--0001287032..... | 237 | <i>Matucana aurantiaca</i> subsp. <i>aurantiaca</i> wfo--0001434890..... | 238 |
| <i>Mammillaria zephyranthiflora</i> Pfeiff. wfo--0000369323..... | 237 | <i>Matucana aurantiaca</i> subsp. <i>currundayensis</i> (F.Ritter) Mottram wfo--0001432377..... | 238 |
| <i>Mammillaria zephyranthoides</i> Scheidw. wfo--0001289018..... | 237 | <i>Matucana aurantiaca</i> subsp. <i>fruticosa</i> (F.Ritter) Mottram wfo--0001432378..... | 238 |
| <i>Mammillaria zephyranthoides</i> subsp. <i>heidiae</i> (Krainz) Lüthy wfo--0001432370..... | 237 | <i>Matucana aurantiaca</i> subsp. <i>hastifera</i> (F.Ritter) Mottram wfo--0001432379..... | 239 |
| <i>Mammillaria zephyranthoides</i> subsp. <i>zephyranthoides</i> wfo--0001434889..... | 238 | <i>Matucana aurantiaca</i> subsp. <i>polzii</i> (Diers, Donald & Zecher) Mottram wfo--0001432380..... | 239 |
| <i>Mammillaria zepnickii</i> Ehrenb. wfo--0001289019..... | 419 | <i>Matucana aureiflora</i> F.Ritter wfo--0001287901..... | 239 |
| <i>Mammillaria zeyeriana</i> Haage ex K.Schum. wfo--0001286281..... | 211 | <i>Matucana blancii</i> Backeb. wfo--0001287601..... | 239 |
| <i>Mammillaria zuberlae</i> Repp. wfo--0001256347..... | 238 | <i>Matucana blancii</i> var. <i>nigriarmata</i> Backeb. wfo--0001287602..... | 239 |
| <i>Mammillaria zuccariniana</i> Mart. wfo--0001257734..... | 218 | <i>Matucana breviflora</i> Rauh & Backeb. wfo--0001287587..... | 240 |
| <i>Mammilloidya</i> Buxb. wfo--4000022998..... | 197 | <i>Matucana</i> Britton & Rose wfo--4000023346..... | 238 |
| <i>Mammilloidya candida</i> (Scheidw.) Buxb. wfo--0001255947..... | 197, 201 | <i>Matucana calliantha</i> F.Ritter wfo--0001287883..... | 240 |
| <i>Mammilloidya candida</i> f. <i>rosea</i> (Salm-Dyck) Buxb. wfo--0001432371..... | 201 | <i>Matucana calliantha</i> var. <i>prolifera</i> F.Ritter wfo--0001287884..... | 240 |
| <i>Mammilloidya candida</i> subsp. <i>candida</i> wfo--0001286284..... | 201 | <i>Matucana calocephala</i> Skarupke wfo--0000369400..... | 240 |
| <i>Mammilloidya candida</i> subsp. <i>ortiz-rubiana</i> (Bravo) Buxb. wfo--0001286288..... | 201 | <i>Matucana calvescens</i> (Kimnach & Hutchison) Buxb. wfo--0001287848..... | 238 |
| <i>Mammilloidya candida</i> subsp. <i>ortizrubioana</i> (Bravo) Krainz wfo--0001432372..... | 201 | <i>Matucana celendinensis</i> F.Ritter wfo--0001287885..... | 240 |
| <i>Mammilloidya candida</i> var. <i>rosea</i> (Salm-Dyck) Krainz wfo--0001432373..... | 201 | <i>Matucana cereoides</i> Rauh & Backeb. wfo--0001287590..... | 239 |
| <i>Mammilloidya ortiz-rubiana</i> (Bravo) Buxb. wfo--0001286292..... | 201 | <i>Matucana comacephala</i> F.Ritter wfo--0001287886..... | 239 |
| <i>Mammilloidya ortizrubioana</i> (Bravo) Buxb. wfo--0001432374..... | 201 | <i>Matucana crinifera</i> F.Ritter wfo--0001287887..... | 240 |
| <i>Marenopuntia</i> Backeb. wfo--4000023132..... | 147 | <i>Matucana currundayensis</i> F.Ritter wfo--0001287849..... | 238 |
| <i>Marenopuntia marenae</i> (S.H.Parsons) Backeb. wfo--0001288253..... | 147, 148 | <i>Matucana elongata</i> Rauh & Backeb. wfo--0001287591239..... | 239 |
| <i>Marginatocereus</i> (Backeb.) Backeb. wfo--4000023151..... | 191 | <i>Matucana formosa</i> F.Ritter wfo--0001287888..... | 239 |
| <i>Marginatocereus marginatus</i> (DC.) Backeb. wfo--0001289477..... | 192 | <i>Matucana formosa</i> var. <i>minor</i> F.Ritter wfo--0001287889..... | 239 |
| <i>Marginatocereus marginatus</i> var. <i>oaxacensis</i> Backeb. wfo--0000378379..... | 192 | <i>Matucana fruticosa</i> F.Ritter wfo--0001287844..... | 238 |
| <i>Mariottia goebeliana</i> (Vaupel) Guiggi wfo--0001432375..... | 55 | <i>Matucana hastifera</i> F.Ritter wfo--0001287890..... | 239 |
| <i>Mariottia</i> Guiggi wfo--4000042560..... | 54 | <i>Matucana haynei</i> (Otto ex Salm-Dyck) Britton & Rose wfo--0001287454..... | 238, 239 |
| <i>Maritimocereus</i> Akers & Buining wfo--4000042721..... | 29 | | |

| | | | |
|---|-----|--|-----|
| <i>Matucana haynei</i> subsp. <i>crinifera</i> (F.Ritter) Wittner wfo--0001432381..... | 240 | <i>Matucana paucicostata</i> F.Ritter wfo--0001287894..... | 240 |
| <i>Matucana haynei</i> subsp. <i>haynei</i> wfo--0001434891..... | 239 | <i>Matucana paucicostata</i> subsp. <i>hoxeyi</i> G.J.Charles wfo--0001432394..... | 240 |
| <i>Matucana haynei</i> subsp. <i>herzogiana</i> (Backeb.) Mottram wfo--0001432382..... | 239 | <i>Matucana polzii</i> Diers, Donald & Zecher wfo--0001289149..... | 239 |
| <i>Matucana haynei</i> subsp. <i>hystrix</i> (Rauh & Backeb.) Mottram wfo--0001432383..... | 240 | <i>Matucana pujupatii</i> (Donald & A.B.Lau) Bregmann wfo--0001287926..... | 241 |
| <i>Matucana haynei</i> subsp. <i>myriacantha</i> (Vaupel) Mottram wfo--0001432384..... | 240 | <i>Matucana purpureoalba</i> F.Ritter wfo--0001287853..... | 240 |
| <i>Matucana haynei</i> var. <i>elongata</i> (Rauh & Backeb.) F.Ritter wfo--0001287891..... | 239 | <i>Matucana rebutiiflora</i> G.J.Charles wfo--0001432395..... | 241 |
| <i>Matucana haynei</i> var. <i>erectipetala</i> Rauh & Backeb. wfo--0001287759..... | 239 | <i>Matucana ritteri</i> Buining wfo--0001287895..... | 241 |
| <i>Matucana haynei</i> var. <i>pectinifera</i> F.Ritter & Y.Itô wfo--0001432385..... | 239 | <i>Matucana roseoalba</i> Hort. wfo--0001261455..... | 419 |
| <i>Matucana herzogiana</i> Backeb. wfo--0001287603..... | 239 | <i>Matucana supertexta</i> F.Ritter wfo--0001287896..... | 239 |
| <i>Matucana herzogiana</i> var. <i>perplexa</i> Backeb. wfo--0001287604..... | 239 | <i>Matucana tuberculata</i> (Donald) Bregman, Meerst., Melis & A.B.Pullen wfo--0001289177..... | 241 |
| <i>Matucana hoxeyi</i> (G.J.Charles) G.J.Charles wfo--0001432386..... | 240 | <i>Matucana tuberculosa</i> F.Ritter wfo--0001287897..... | 241 |
| <i>Matucana huagalensis</i> (Donald & A.B.Lau) Bregmann, Meerst., Melis & Pullen wfo--0001287914..... | 240 | <i>Matucana variabilis</i> Rauh & Backeb. wfo--0001287592239..... | 239 |
| <i>Matucana humboldtii</i> (Kunth) Buxb. wfo--0001289173..... | 31 | <i>Matucana variabilis</i> var. <i>fusca</i> Rauh & Backeb. wfo--0001287593..... | 239 |
| <i>Matucana hystrix</i> Rauh & Backeb. wfo--0001287588..... | 240 | <i>Matucana weberbaueri</i> (Vaupel) Backeb. wfo--0001287898..... | 241 |
| <i>Matucana hystrix</i> var. <i>atrispina</i> Rauh & Backeb. wfo--0000378374..... | 239 | <i>Matucana weberbaueri</i> f. <i>flammea</i> (Donald) Bregman, Meerst., Melis & A.B.Pullen wfo--0001289178..... | 241 |
| <i>Matucana hystrix</i> var. <i>umadeavoides</i> Rauh & Backeb. wfo--0001432387..... | 240 | <i>Matucana weberbaueri</i> var. <i>flammea</i> (Donald) Slaba wfo--0001432396..... | 241 |
| <i>Matucana icosagona</i> (Kunth) Buxb. wfo--0001289172..... | 31 | <i>Matucana winteri</i> F.Ritter wfo--0001287899..... | 240 |
| <i>Matucana intertexta</i> F.Ritter wfo--0001287892..... | 240 | <i>Matucana yanganucensis</i> Rauh & Backeb. wfo--0001287594..... | 239 |
| <i>Matucana intertexta</i> var. <i>celendinensis</i> (F.Ritter) Bregmann wfo--0001287917..... | 240 | <i>Matucana yanganucensis</i> var. <i>albispina</i> Rauh & Backeb. wfo--0001287595..... | 239 |
| <i>Matucana intertexta</i> var. <i>intertexta</i> wfo--0001287924..... | 240 | <i>Matucana yanganucensis</i> var. <i>fuscispina</i> Rauh & Backeb. wfo--0001287599..... | 239 |
| <i>Matucana klopfensteinii</i> Cieza & Pino wfo--0001432388..... | 240 | <i>Matucana yanganucensis</i> var. <i>longistyla</i> Rauh & Backeb. wfo--0001287596..... | 240 |
| <i>Matucana krahni</i> (Donald) Bregmann wfo--0001287923..... | 240 | <i>Matucana yanganucensis</i> var. <i>parviflora</i> Rauh & Backeb. wfo--0001287598..... | 239 |
| <i>Matucana madisoniorum</i> (Hutchison) G.D.Rowley wfo--0001287925..... | 240 | <i>Matucana yanganucensis</i> var. <i>salmonia</i> Rauh & Backeb. wfo--0001287597..... | 239 |
| <i>Matucana madisoniorum</i> var. <i>pujupatii</i> (Donald & A.B.Lau) G.D.Rowley wfo--0001289236..... | 241 | <i>Matucana yanganucensis</i> var. <i>setosa</i> F.Ritter wfo--0001287900..... | 240 |
| <i>Matucana megalantha</i> F.Ritter wfo--0001287893..... | 240 | <i>Matucana yanganucensis</i> var. <i>suberecta</i> Rauh & Backeb. wfo--0001287600..... | 240 |
| <i>Matucana multicolor</i> Rauh & Backeb. wfo--0001287589..... | 240 | <i>Mediocactus</i> Britton & Rose wfo--4000023442..... | 340 |
| <i>Matucana multicolor</i> var. <i>breviflora</i> (Rauh & Backeb.) F.Ritter wfo--0001432389..... | 240 | <i>Mediocactus coccineus</i> (Salm-Dyck ex DC.) Britton & Rose wfo--0001289104..... | 343 |
| <i>Matucana multicolor</i> var. <i>hystrix</i> (Rauh & Backeb.) F.Ritter wfo--0001432390..... | 240 | <i>Mediocactus extensus</i> (Salm-Dyck ex DC.) Doweld wfo--0000369328..... | 341 |
| <i>Matucana myriacantha</i> (Vaupel) Buxb. wfo--0001287851..... | 240 | <i>Mediocactus hahnianus</i> Backeb. wfo--0001252412..... | 348 |
| <i>Matucana myriacantha</i> f. <i>purpureoalba</i> (F.Ritter) Lodé wfo--0001432391..... | 240 | <i>Mediocactus hassleri</i> (K.Schum.) Backeb. wfo--0000369331..... | 343 |
| <i>Matucana myriacantha</i> f. <i>roseoalba</i> (Hort.) Lodé wfo--0001261452..... | 419 | <i>Mediocactus inermis</i> (Otto ex Pfeiff.) Doweld wfo--0000369332..... | 342 |
| <i>Matucana oreodoxa</i> (F.Ritter) Slaba wfo--0001289176..... | 240 | <i>Mediocactus lindmanii</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo--0000369333..... | 343 |
| <i>Matucana oreodoxa</i> subsp. <i>oreodoxa</i> wfo--0001434892..... | 240 | <i>Mediocactus megalanthus</i> (K.Schum. ex Vaupel) Britton & Rose wfo--0001287445..... | 342 |
| <i>Matucana oreodoxa</i> subsp. <i>rebutiiflora</i> (G.J.Charles) Corman wfo--0001432392..... | 241 | <i>Mediocactus murrillii</i> (Britton & Rose) Doweld wfo--0000369341..... | 343 |
| <i>Matucana oreodoxa</i> subsp. <i>roseiflora</i> G.J.Charles wfo--0001432393..... | 240 | <i>Mediocactus setaceus</i> (Salm-Dyck ex DC.) Borg wfo--0000369330..... | 343 |
| <i>Matucana pallarensis</i> F.Ritter wfo--0001287850..... | 238 | <i>Mediocactus spinulosus</i> (DC.) Doweld wfo--0000369337..... | 344 |

| | |
|--|---|
| <i>Mediocactus tricae</i> (D.R.Hunt) Doweld wfo---0000369347 344 | <i>Mediolobivia digitiformis</i> (Backeb.) Backeb. wfo--- 0000369417 24 |
| <i>Mediocactus vagans</i> (K.Brandegee) Doweld wfo--- 0000369348 345 | <i>Mediolobivia disciformis</i> Frič wfo---0001432413 422 |
| <i>Mediocactus wercklei</i> (F.A.C.Weber) Doweld wfo--- 0000369349 342 | <i>Mediolobivia duursmaiana</i> Backeb. wfo---0000369425 .. 22 |
| <i>Mediocereus</i> Frič & Kreuz. wfo---4000042571 82 | <i>Mediolobivia elegans</i> Backeb. wfo---0001260628 22 |
| <i>Mediolobivia atrovirens</i> (Backeb.) Backeb. wfo--- 0001284556 24 | <i>Mediolobivia euanthema</i> (Backeb.) Krainz wfo--- 0000369415 22 |
| <i>Mediolobivia aurantida</i> (Wessner) Krainz wfo--- 0000369350 22 | <i>Mediolobivia euanthema</i> var. <i>fricii</i> Backeb. wfo--- 0001432414 23 |
| <i>Mediolobivia aurantida</i> var. <i>flaviflora</i> Backeb. wfo--- 0001432397 23 | <i>Mediolobivia euanthema</i> var. <i>oculata</i> (Werderm.) Krainz wfo---0001432415 22 |
| <i>Mediolobivia aurantida</i> var. <i>gracilis</i> (Wessner) Backeb. wfo---0001432398 22 | <i>Mediolobivia euanthema</i> var. <i>ritteri</i> (Wessner) Donald wfo---0001432416 323 |
| <i>Mediolobivia aureiflora</i> (Backeb.) Backeb. wfo--- 0001038953 19, 22 | <i>Mediolobivia eucaliptana</i> (Backeb.) Krainz wfo--- 0000369420 24 |
| <i>Mediolobivia aureiflora</i> f. <i>kesselringiana</i> (Cullmann) U.Köhler wfo---0001432399 23 | <i>Mediolobivia fauxiana</i> Backeb. wfo---0000369423 25 |
| <i>Mediolobivia aureiflora</i> subvar. <i>leucolutea</i> Backeb. wfo--- 0001432400 23 | <i>Mediolobivia haagei</i> (Frič & Schelle) Backeb. ex Krainz wfo-- -0000369424 24 |
| <i>Mediolobivia aureiflora</i> subvar. <i>lilacinostoma</i> Backeb. wfo-- -0001432401 23 | <i>Mediolobivia haagei</i> (Frič & Schelle) Backeb. wfo--- 0001432417 24 |
| <i>Mediolobivia aureiflora</i> var. <i>albilongiseta</i> Backeb. wfo--- 0001432402 22 | <i>Mediolobivia haagei</i> var. <i>atrovirens</i> (Backeb.) Donald wfo-- -0001432418 24 |
| <i>Mediolobivia aureiflora</i> var. <i>albisetata</i> Backeb. wfo--- 0001432403 22 | <i>Mediolobivia haagei</i> var. <i>digitiformis</i> (Backeb.) Donald wfo---0001432419 24 |
| <i>Mediolobivia aureiflora</i> var. <i>boedekeriana</i> (Backeb.) Backeb. wfo---0001432404 22 | <i>Mediolobivia haagei</i> var. <i>flavovirens</i> Backeb. wfo--- 0001432420 25 |
| <i>Mediolobivia aureiflora</i> var. <i>duursmaiana</i> (Backeb.) Backeb. wfo---0001432405 416 | <i>Mediolobivia haagei</i> var. <i>orensis</i> (Backeb.) Donald wfo--- 0001432421 24 |
| <i>Mediolobivia aureiflora</i> var. <i>longiseta</i> Backeb. wfo--- 0000378426 22 | <i>Mediolobivia haagei</i> var. <i>pectinata</i> (Backeb.) Donald wfo--- 0001432422 25 |
| <i>Mediolobivia aureiflora</i> var. <i>rubelliflora</i> (Backeb.) Backeb. wfo---0001432406 22 | <i>Mediolobivia haefneriana</i> Cullmann wfo---0001260461 .. 25 |
| <i>Mediolobivia aureiflora</i> var. <i>rubriflora</i> (Backeb.) Backeb. wfo---0001432407 22 | <i>Mediolobivia hirsutissima</i> Cárdenas wfo---0001246800 191 |
| <i>Mediolobivia aureiflora</i> var. <i>sarothroides</i> (Werderm.) Backeb. wfo---0001432408 22 | <i>Mediolobivia ithyacantha</i> Cárdenas wfo---0000369408 .. 20 |
| <i>Mediolobivia</i> Backeb. wfo---4000023444 19 | <i>Mediolobivia kesselringiana</i> Cullmann wfo---0000369419 23 |
| <i>Mediolobivia blossfeldii</i> (Werderm.) Buining wfo--- 0000369351 22 | <i>Mediolobivia longiseta</i> (Backeb.) Backeb. wfo--- 0000369418 22 |
| <i>Mediolobivia blossfeldii</i> var. <i>compactiflora</i> Wessner wfo--- 0001432409 23 | <i>Mediolobivia longiseta</i> var. <i>albilongiseta</i> Backeb. wfo--- 0001432423 22 |
| <i>Mediolobivia blossfeldii</i> var. <i>nigrilongiseta</i> Wessner wfo--- 0001432410 23 | <i>Mediolobivia neopygmaea</i> Backeb. wfo---0000369403.. 23 |
| <i>Mediolobivia boedekeriana</i> Backeb. wfo---0000369346 .. 22 | <i>Mediolobivia nigricans</i> (Wessner) Krainz wfo--- 0000369404 25 |
| <i>Mediolobivia brachyantha</i> (Wessner) Krainz wfo--- 0000378427 25 | <i>Mediolobivia orurensis</i> (Backeb.) Backeb. wfo--- 0000369405 24 |
| <i>Mediolobivia carminata</i> Backeb. ex Krainz wfo--- 0000369353 419 | <i>Mediolobivia pectinata</i> Backeb. ex Krainz wfo--- 0000369406 25 |
| <i>Mediolobivia columnaris</i> (Wessner) Krainz wfo--- 0000369354 23 | <i>Mediolobivia pectinata</i> var. <i>atrovirens</i> (Backeb.) Backeb. wfo---0001432424 24 |
| <i>Mediolobivia conoidea</i> (Wessner) Krainz wfo--- 0000369355 23 | <i>Mediolobivia pectinata</i> var. <i>digitiformis</i> (Backeb.) Backeb. wfo---0001432425 24 |
| <i>Mediolobivia conoidea</i> var. <i>columnaris</i> (Wessner) Backeb. wfo---0001432411 23 | <i>Mediolobivia pectinata</i> var. <i>neosteinmannii</i> Backeb. wfo--- 0001432426 25 |
| <i>Mediolobivia costata</i> (Werderm.) Krainz wfo---0000369356 24 | <i>Mediolobivia pectinata</i> var. <i>orensis</i> (Backeb.) Backeb. wfo---0001283958 24 |
| <i>Mediolobivia costata</i> var. <i>eucaliptana</i> (Backeb.) Donald wfo---0001432412 24 | <i>Mediolobivia pygmaea</i> (R.E.Fr.) Krainz wfo---0001289814 24 |
| | <i>Mediolobivia pygmaea</i> var. <i>flavovirens</i> (Backeb.) Backeb. wfo---0001432427 24 |
| | <i>Mediolobivia ritteri</i> (Wessner) Krainz wfo---0000369402 323 |
| | <i>Mediolobivia ritteri</i> var. <i>pilifera</i> Backeb. wfo---0001432428 323 |

| | | | |
|--|-----|--|-----|
| <i>Mediolobivia rubelliflora</i> Backeb. wfo--0000369409 | 22 | <i>Melocactus amoenus</i> Hoffmanns. wfo--0001289745 ... | 243 |
| <i>Mediolobivia rubriflora</i> Backeb. wfo--0000369410 | 22 | <i>Melocactus amstutziae</i> Rauh & Backeb. wfo--0001289150 | 250 |
| <i>Mediolobivia rubriflora</i> var. <i>blossfeldii</i> (Werderm.) Krainz wfo--0001432429 | 22 | <i>Melocactus andinus</i> R.Gruber ex N.P.Taylor wfo-- 0000369343 | 241 |
| <i>Mediolobivia rubriflora</i> var. <i>compactiflora</i> (Wessner) Krainz wfo--0001432430 | 23 | <i>Melocactus andinus</i> subsp. <i>andinus</i> wfo--0001434893 | 241 |
| <i>Mediolobivia rubriflora</i> var. <i>nigrilongiseta</i> (Wessner) Krainz wfo--0001432431 | 23 | <i>Melocactus andinus</i> subsp. <i>hernandezii</i> (Fern.Alonso & Xhonneux) N.P.Taylor wfo--0001432443 | 241 |
| <i>Mediolobivia sarothmides</i> (Werderm.) Buining wfo-- 0000369411 | 22 | <i>Melocactus andinus</i> subsp. <i>soatensis</i> Fern.Alonso & Xhonneux wfo--0001432444 | 250 |
| <i>Mediolobivia sarothroides</i> (Werderm.) Buining wfo-- 0000378419 | 22 | <i>Melocactus angusticostatus</i> Suringar wfo--0000369327 | 246 |
| <i>Mediolobivia schmiedcheniana</i> (U.Köhler) Krainz wfo-- 0000369412 | 22 | <i>Melocactus antonii</i> (Britton) F.M.Knuth wfo--0001288704 | 245 |
| <i>Mediolobivia schmiedcheniana</i> var. <i>einsteinii</i> (Frič) Backeb. wfo--0001432432 | 21 | <i>Melocactus appropinquatus</i> Valck.Sur. wfo--0000369334 | 248 |
| <i>Mediolobivia schmiedcheniana</i> var. <i>karrereri</i> Backeb. wfo-- 0001432433 | 23 | <i>Melocactus approximatus</i> Suringar wfo--0000369313 | 246 |
| <i>Mediolobivia schmiedcheniana</i> var. <i>rubriviridis</i> Frič & Kreuz. ex Backeb. wfo--0001432434 | 23 | <i>Melocactus arcuatispinus</i> Brederoo & Eerkens wfo-- 0001289704 | 251 |
| <i>Mediolobivia schmiedcheniana</i> var. <i>steineckeii</i> Backeb. wfo-- --0001432435 | 23 | <i>Melocactus arcuatus</i> Suringar wfo--0000369315 | 246 |
| <i>Mediolobivia spiralispala</i> Schütz wfo--0000369413 | 23 | <i>Melocactus argenteus</i> Suringar wfo--0000369316 | 246 |
| <i>Mediolobivia steinmannii</i> (Solms) Krainz wfo--0000369414 | 24 | <i>Melocactus argenteus</i> var. <i>tenuispina</i> Suringar wfo-- 0001432445 | 246 |
| <i>Mediolobivia turbiniformis</i> Backeb. ex Frič & Kreuz. wfo-- 0001432436 | 419 | <i>Melocactus armatus</i> Suringar wfo--0000369398 | 246 |
| <i>Mediolobivia turbiniformis</i> Frič wfo--0000378421 | 422 | <i>Melocactus atrosanguineus</i> Pfeiff. wfo--0000369367 .. | 244 |
| <i>Megalobivia</i> Y.Itô wfo--4000042617 | 103 | <i>Melocactus atrovirens</i> C.F.Först. wfo--0000369368 | 405 |
| <i>Melocactus ×albicephalus</i> Buining & Brederoo wfo-- 0001254884 | 241 | <i>Melocactus axiniphorus</i> Buining & Brederoo wfo-- 0001289708 | 242 |
| <i>Melocactus ×bozsingianus</i> Antesberger wfo--0001432437 | 242 | <i>Melocactus azulensis</i> Buining, Brederoo & Theunissen wfo-- --0001289564 | 243 |
| <i>Melocactus ×horridus</i> Werderm. wfo--0000375359 | 244 | <i>Melocactus azureus</i> Buining & Brederoo wfo-- 0000369369 | 241 |
| <i>Melocactus aciculosus</i> Valck.Sur. wfo--0000378391 | 248 | <i>Melocactus azureus</i> subsp. <i>azureus</i> wfo--0001289681 | 241 |
| <i>Melocactus aciculosus</i> var. <i>adauctus</i> Valck.Sur. wfo-- 0001432438 | 248 | <i>Melocactus azureus</i> subsp. <i>ferreophilus</i> (Buining & Brederoo) N.P.Taylor wfo--0000369375 | 244 |
| <i>Melocactus acispinosus</i> Buining & Brederoo wfo-- 0001289636 | 242 | <i>Melocactus azureus</i> subsp. <i>krainzianus</i> (Buining & Brederoo) Guiggi wfo--0001432446 | 241 |
| <i>Melocactus actinacanthus</i> Areces wfo--0001289741 | 249 | <i>Melocactus azureus</i> var. <i>krainzianus</i> (Buining & Brederoo) P.J.Braun wfo--0001289680 | 241 |
| <i>Melocactus acuatus</i> Link & Otto wfo--0000369338 | 283 | <i>Melocactus baarscanus</i> Suringar wfo--0000369366 | 246 |
| <i>Melocactus acunae</i> León wfo--0001289747 | 241 | <i>Melocactus baarsianus</i> Suringar wfo--0000378398 | 246 |
| <i>Melocactus acunae</i> subsp. <i>lagunaensis</i> Z.Mészáros wfo-- 0001289748 | 244 | <i>Melocactus bahiensis</i> (Britton & Rose) Luetzelb. wfo-- 0001288713 | 241 |
| <i>Melocactus acunae</i> var. <i>flavispinus</i> Z.Mészáros wfo-- 0001432439 | 244 | <i>Melocactus bahiensis</i> f. <i>acispinosus</i> (Buining & Brederoo) N.P.Taylor wfo--0001289640 | 242 |
| <i>Melocactus albicephalus</i> Buining & Brederoo wfo-- 0000369339 | 241 | <i>Melocactus bahiensis</i> f. <i>amethystinus</i> (Buining & Brederoo) N.P.Taylor wfo--0001432447 | 241 |
| <i>Melocactus albispinus</i> f. <i>quadripina</i> Suringar wfo-- 0001432440 | 246 | <i>Melocactus bahiensis</i> f. <i>bahiensis</i> wfo--0001289635 .. | 242 |
| <i>Melocactus albispinus</i> Suringar wfo--0000369344 | 246 | <i>Melocactus bahiensis</i> f. <i>inconcinus</i> (Buining & Brederoo) N.P.Taylor wfo--0001289642 | 242 |
| <i>Melocactus alex-bragae</i> P.J.Braun & Esteves wfo-- 0001432441 | 249 | <i>Melocactus bahiensis</i> subsp. <i>amethystinus</i> (Buining & Brederoo) N.P.Taylor wfo--0001289648 | 241 |
| <i>Melocactus alex-bragai</i> P.J.Braun & Esteves wfo-- 0000744245 | 249 | <i>Melocactus bahiensis</i> subsp. <i>bahiensis</i> wfo--0001289641 | 241 |
| <i>Melocactus ambiguus</i> Pfeiff. wfo--0000369342 | 3 | <i>Melocactus barbarae</i> Antesberger wfo--0001289742 .. | 250 |
| <i>Melocactus amethystinus</i> Buining & Brederoo wfo-- 0001289643 | 241 | <i>Melocactus bargei</i> Valck.Sur. wfo--0000369374 | 248 |
| <i>Melocactus ammotrophus</i> Buining, Brederoo & C.A.L.Bercht wfo--0001289647 | 241 | <i>Melocactus bellavistensis</i> f. <i>minor</i> Rauh & Backeb. wfo-- 0001432448 | 242 |
| <i>Melocactus amoenus</i> Hoffmanns. ex Pfeiff. wfo-- 0001432442 | 243 | <i>Melocactus bellavistensis</i> Rauh & Backeb. wfo-- 0001287756 | 242 |
| | | <i>Melocactus bellavistensis</i> subsp. <i>bellavistensis</i> wfo-- 0001289131 | 242 |

| | | | |
|---|-----|---|-----|
| <i>Melocactus bellavistensis</i> subsp. <i>onychacanthus</i> (F.Ritter) N.P.Taylor wfo--0001289130 | 242 | <i>Melocactus cornutus</i> Suringar wfo--0000369377 | 246 |
| <i>Melocactus besleri</i> Link & Otto wfo--0000369358 | 81 | <i>Melocactus coronatus</i> (Lam.) Backeb. wfo--0001288742 | 244 |
| <i>Melocactus besleri-affinis</i> Pfeiff. wfo--0000369360 | 140 | <i>Melocactus crassicoastatus</i> Lem. wfo--0001289727 | 242 |
| <i>Melocactus bohiensis</i> Britton wfo--0001254885 | 241 | <i>Melocactus crassispinus</i> Salm-Dyck wfo--0000369379 | 245 |
| <i>Melocactus borhidii</i> Z.Mészáros wfo--0001289749 | 244 | <i>Melocactus cremnophilus</i> Buining & Brederoo wfo-- 0001289559 | 249 |
| <i>Melocactus bozsingianus</i> Antesb. wfo--0001289743 | 249 | <i>Melocactus croceus</i> Suringar wfo--0000369376 | 245 |
| <i>Melocactus bradleyi</i> Suringar wfo--0000369362 | 245 | <i>Melocactus curvicornis</i> Buining & Brederoo wfo-- 0001289696 | 251 |
| <i>Melocactus bradyypus</i> Lehm. ex Steud. wfo--0000369357 | 38 | <i>Melocactus curvispinus</i> f. <i>caesius</i> (H.L.Wendl.) N.P.Taylor wfo--0000369385 | 242 |
| <i>Melocactus braunii</i> Esteves wfo--0000378399 | 242 | <i>Melocactus curvispinus</i> f. <i>lobelii</i> (Valck.Sur.) N.P.Taylor wfo--0001289738 | 243 |
| <i>Melocactus brederooianus</i> Buining wfo--0001289637 | 241 | <i>Melocactus curvispinus</i> Pfeiff. wfo--0000369382 | 242 |
| <i>Melocactus broadwayi</i> (Britton & Rose) A.Berger wfo-- 0001288724 | 242 | <i>Melocactus curvispinus</i> subsp. <i>caesius</i> (H.L.Wendl.) N.P.Taylor wfo--0000369383 | 242 |
| <i>Melocactus brongnartii</i> Hildm. wfo--0000378400 | 242 | <i>Melocactus curvispinus</i> subsp. <i>cucutensis</i> Xhonneux & Fern.Alonso wfo--0001432457 | 242 |
| <i>Melocactus brongnartii</i> Lem. wfo--0000369363 | 244 | <i>Melocactus curvispinus</i> subsp. <i>curvispinus</i> wfo-- 0001289734 | 243 |
| <i>Melocactus buysianus</i> Suringar wfo--0000369364 | 248 | <i>Melocactus curvispinus</i> subsp. <i>dawsonii</i> (Bravo) N.P.Taylor wfo--0001289740 | 243 |
| <i>Melocactus caesius</i> H.L.Wendl. wfo--0000369380 | 242 | <i>Melocactus curvispinus</i> subsp. <i>koolwijkianus</i> (Suringar) G.Thomson wfo--0001432458 | 243 |
| <i>Melocactus caesius</i> subsp. <i>lobelii</i> (Valck.Sur.) Guiggi wfo-- 0001432449 | 243 | <i>Melocactus curvispinus</i> subsp. <i>lobelii</i> (Valck.Sur.) Fern.Alonso & Xhonneux wfo--0001432459 | 243 |
| <i>Melocactus caesius</i> var. <i>griseus</i> (H.L.Wendl. ex Miq.) C.F.Först. wfo--0001289736 | 243 | <i>Melocactus curvispinus</i> subsp. <i>loboguerreroi</i> (Cárdenas) Fern.Alonso & Xhonneux wfo--0001432460 | 243 |
| <i>Melocactus calderanus</i> Eerkens wfo--0000369361 | 419 | <i>Melocactus curvispinus</i> subsp. <i>obtusipetalus</i> (Lem.) Xhonneux & Fern.Alonso wfo--0001432461 | 243 |
| <i>Melocactus canescens</i> F.Ritter wfo--0001289700 | 251 | <i>Melocactus curvispinus</i> subsp. <i>saravianus</i> Fern.Alonso & Xhonneux wfo--0001432462 | 243 |
| <i>Melocactus canescens</i> var. <i>montealtoi</i> F.Ritter wfo-- 0001289701 | 251 | <i>Melocactus cylindricus</i> Valck.Sur. wfo--0000375383 | 248 |
| <i>Melocactus capillaris</i> Suringar wfo--0000369388 | 246 | <i>Melocactus dawsonii</i> Bravo wfo--0001289739 | 243 |
| <i>Melocactus caroli-linnaei</i> N.P.Taylor wfo--0001289754 | 242 | <i>Melocactus deinacanthus</i> Buining & Brederoo wfo-- 0000375387 | 243 |
| <i>Melocactus cephalenoplus</i> Lem. wfo--0001289737 | 243 | <i>Melocactus deinacanthus</i> f. <i>mulequensis</i> (Buining & Brederoo) P.J.Braun wfo--0001289577 | 244 |
| <i>Melocactus cephalonoplus</i> Lem. ex C.F.Först. wfo-- 0000369389 | 243 | <i>Melocactus deinacanthus</i> subsp. <i>florschuetzianus</i> (Buining & Brederoo) P.J.Braun wfo--0001289575 | 244 |
| <i>Melocactus cephalophora</i> Salm-Dyck wfo--0000369391 | 67 | <i>Melocactus deinacanthus</i> subsp. <i>longicarpus</i> (Buining & Brederoo) P.J.Braun wfo--0001289573 | 243 |
| <i>Melocactus citrispinus</i> Antesb. wfo--0000378402 | 249 | <i>Melocactus delessertianus</i> Lem. wfo--0001289729 | 242 |
| <i>Melocactus columna-trajani</i> Pfeiff. wfo--0000369395 | 405 | <i>Melocactus depressus</i> Hook. wfo--0001288763 | 250 |
| <i>Melocactus communis</i> (W.T.Aiton) Link & Otto wfo-- 0001287830 | 244 | <i>Melocactus dichroacanthus</i> Miq. wfo--0000375385 | 244 |
| <i>Melocactus communis</i> var. <i>conicus</i> Pfeiff. wfo-- 0001432450 | 245 | <i>Melocactus diersianus</i> Buining & Brederoo wfo-- 0001289651 | 245 |
| <i>Melocactus communis</i> var. <i>gregelii</i> Pfeiff. wfo-- 0001432451 | 244 | <i>Melocactus diersianus</i> f. <i>rubrispinus</i> (F.Ritter) P.J.Braun wfo--0001432463 | 245 |
| <i>Melocactus communis</i> var. <i>havannensis</i> Pfeiff. wfo-- 0001040687 | 244 | <i>Melocactus dilatatus</i> Suringar wfo--0000375384 | 246 |
| <i>Melocactus communis</i> var. <i>lanifer</i> Pfeiff. wfo-- 0001432452 | 244 | <i>Melocactus douradaensis</i> Hovens & Strecker wfo-- 0001289705 | 251 |
| <i>Melocactus communis</i> var. <i>macrocephalus</i> Link & Otto wfo--0001432453 | 245 | <i>Melocactus eburneus</i> f. <i>plurispina</i> Suringar wfo-- 0001432464 | 246 |
| <i>Melocactus communis</i> var. <i>oblongus</i> Link & Otto wfo-- 0001432454 | 244 | <i>Melocactus eburneus</i> Suringar wfo--0000375373 | 246 |
| <i>Melocactus communis</i> var. <i>viridis</i> Pfeiff. wfo--0001432455 | 244 | <i>Melocactus elegans</i> Pfeiff. wfo--0000375374 | 3 |
| <i>Melocactus compactus</i> Suringar wfo--0000369387 | 246 | <i>Melocactus ellemeetii</i> Miq. wfo--0000375375 | 251 |
| <i>Melocactus concinnus</i> Buining & Brederoo wfo-- 0001289711 | 242 | <i>Melocactus elongatus</i> Suringar wfo--0000375376 | 246 |
| <i>Melocactus concinnus</i> subsp. <i>axiniphorus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001432456 | 242 | <i>Melocactus ernestii</i> subsp. <i>ernestii</i> wfo--0001289570 | 243 |
| <i>Melocactus conicus</i> Lawr. wfo--0000369393 | 245 | <i>Melocactus ernestii</i> subsp. <i>longicarpus</i> (Buining & Brederoo) N.P.Taylor wfo--0001289571 | 243 |
| <i>Melocactus conoideus</i> Buining & Brederoo wfo-- 0001289649 | 242 | | |
| <i>Melocactus conoideus</i> subsp. <i>braunii</i> (Esteves) Guiggi wfo-- 0000369394 | 242 | | |
| <i>Melocactus contortus</i> Suringar wfo--0000369381 | 246 | | |
| <i>Melocactus cordatus</i> Valck.Sur. wfo--0000369392 | 248 | | |

| | | | |
|--|-----|---|-----|
| <i>Melocactus ernestii</i> Vaupel wfo---0000375382..... | 243 | <i>Melocactus harlowii</i> subsp. <i>borhidii</i> (Z.Mészáros) Kunte wfo---0001432468 | 244 |
| <i>Melocactus erythracanthus</i> Buining & Brederoo wfo---0001289562..... | 243 | <i>Melocactus harlowii</i> subsp. <i>evae</i> (Z.Mészáros) Guiggi wfo--0001432469 | 244 |
| <i>Melocactus estevesii</i> P.J.Braun wfo---0000375378 | 244 | <i>Melocactus harlowii</i> subsp. <i>perezassoi</i> (Areces) Guiggi wfo--0001040690..... | 250 |
| <i>Melocactus euryacanthus</i> Suringar wfo---0000375379.. | 247 | <i>Melocactus havannensis</i> (Pfeiff.) Miq. wfo---0001040691 | 244 |
| <i>Melocactus eustachianus</i> Suringar wfo---0000375380 .. | 245 | <i>Melocactus helvolilanatus</i> Buining & Brederoo wfo---0001289699 | 251 |
| <i>Melocactus eustachius</i> f. <i>vetustior</i> Valck.Sur. wfo---0001432465..... | 245 | <i>Melocactus helvolilanthus</i> Buining & Brederoo wfo---0000378392 | 251 |
| <i>Melocactus evae</i> Z.Mészáros wfo---0001289750 | 244 | <i>Melocactus hernandezii</i> Fern.Alonso & Xhonneux wfo---0000375354 | 241 |
| <i>Melocactus evertsianus</i> Suringar wfo---0000375393.... | 246 | <i>Melocactus hexacanthus</i> Suringar wfo---0000375355... 246 | |
| <i>Melocactus excavatus</i> G.Don wfo---0000375377..... | 405 | <i>Melocactus hispaniolicus</i> Vaupel wfo---0000375356.... | 245 |
| <i>Melocactus extensus</i> Suringar wfo---0000375386 | 247 | <i>Melocactus holguinensis</i> Areces wfo---0001289732..... | 242 |
| <i>Melocactus ferox</i> Pfeiff. ex C.F.Först. wfo---0000375404 | 246 | <i>Melocactus hookeri</i> Lawr. wfo---0000375358 | 419 |
| <i>Melocactus ferox</i> Suringar wfo---0000375405 | 246 | <i>Melocactus hookeri</i> Valck.Sur. wfo---0000375364 | 245 |
| <i>Melocactus ferreophilus</i> Buining & Brederoo wfo---0000375407..... | 244 | <i>Melocactus hookerianus</i> Forbes ex C.F.Först. wfo---0000375353 | 419 |
| <i>Melocactus ferus</i> Suringar wfo---0000375408 | 247 | <i>Melocactus huallancensis</i> Rauh & Backeb. wfo---0001287754 | 250 |
| <i>Melocactus firmus</i> Valck.Sur. wfo---0000375409..... | 248 | <i>Melocactus humilis</i> Suringar wfo---0000375360 | 243 |
| <i>Melocactus flammeus</i> Suringar wfo---0000375417..... | 247 | <i>Melocactus hystrix</i> Parm. ex Miq. wfo---0000375361... 405 | |
| <i>Melocactus flavispinus</i> Suringar wfo---0000375411..... | 247 | <i>Melocactus inclinatus</i> Antesb. wfo---0000375362.... | 249 |
| <i>Melocactus flexilis</i> Suringar wfo---0000375403 | 247 | <i>Melocactus inconcinnus</i> Buining & Brederoo wfo---0001289638 | 242 |
| <i>Melocactus flexus</i> Suringar wfo---0000375413 | 247 | <i>Melocactus inconcinnus</i> var. <i>brederooianus</i> (Buining) F.Ritter wfo---0001289639..... | 241 |
| <i>Melocactus florschuetzianus</i> Buining & Brederoo wfo---0001289574..... | 244 | <i>Melocactus incurvus</i> Suringar wfo---0000375416..... | 247 |
| <i>Melocactus fortalezensis</i> Rauh & Backeb. wfo---0001287751..... | 250 | <i>Melocactus inflatus</i> Suringar wfo---0000375469 | 247 |
| <i>Melocactus gardenerianus</i> Booth ex C.F.Först. wfo---0000375414..... | 251 | <i>Melocactus ingens</i> Karw. ex Pfeiff. wfo---0000375470.... | 87 |
| <i>Melocactus giganteus</i> Buining & Brederoo wfo---0001289698..... | 251 | <i>Melocactus intermedius</i> Suringar wfo---0000375471.... | 246 |
| <i>Melocactus gilliesii</i> Otto wfo---0000375395..... | 347 | <i>Melocactus intermedius</i> var. <i>laticostatus</i> Valck.Sur. wfo---0001432470 | 248 |
| <i>Melocactus gilvispinus</i> Valck.Sur. wfo---0000375412 | 248 | <i>Melocactus intermedius</i> var. <i>rotundatus</i> Valck.Sur. wfo---0001432471 | 248 |
| <i>Melocactus gilvispinus</i> var. <i>planispinus</i> Valck.Sur. wfo---0001432466..... | 248 | <i>Melocactus intermedius</i> var. <i>tenuispinus</i> Valck.Sur. wfo---0001432472 | 248 |
| <i>Melocactus gladiatus</i> Link & Otto wfo---0000375410.... | 355 | <i>Melocactus interpositus</i> F.Ritter wfo---0001289568..... | 243 |
| <i>Melocactus glaucencens</i> Buining & Brederoo wfo---0000378405..... | 244 | <i>Melocactus intortus</i> (Mill.) Urb. wfo---0001287105 | 244 |
| <i>Melocactus glaucescens</i> Buining & Brederoo wfo---0000375390..... | 244 | <i>Melocactus intortus</i> subsp. <i>broadwayi</i> (Britton & Rose) Guiggi wfo---0001432473 | 242 |
| <i>Melocactus glauxianus</i> Brederoo & C.A.L.Bercht wfo---0001289646..... | 241 | <i>Melocactus intortus</i> subsp. <i>domingensis</i> Areces wfo---0001432474 | 249 |
| <i>Melocactus goniodacanthus</i> Lem. wfo---0000375391 ... | 250 | <i>Melocactus intortus</i> subsp. <i>intortus</i> wfo---0001432475 244 | |
| <i>Melocactus gracilis</i> Valck.Sur. wfo---0000375392..... | 248 | <i>Melocactus intortus</i> var. <i>antonii</i> (Britton) Backeb. wfo---0001289746 | 245 |
| <i>Melocactus grandis</i> Valck.Sur. wfo---0000375402 | 248 | <i>Melocactus intricatus</i> Link & Otto wfo---0000375473 ... | 413 |
| <i>Melocactus grandispinus</i> Valck.Sur. wfo---0000375394. 248 | | <i>Melocactus inversus</i> Valck.Sur. wfo---0000375468 | 248 |
| <i>Melocactus grengelii</i> J.Forbes wfo---0000375389..... | 244 | <i>Melocactus jakusii</i> Mészáros wfo---0001289733..... | 242 |
| <i>Melocactus griseoloviridis</i> Buining & Brederoo wfo---0001289645..... | 241 | <i>Melocactus jansenianus</i> Backeb. wfo---0001287750.... | 250 |
| <i>Melocactus griseus</i> H.L.Wendl. ex Miq. wfo---0001289411 | 243 | <i>Melocactus koolwijkianus</i> f. <i>plurispina</i> Suringar wfo---0001432476 | 243 |
| <i>Melocactus grisoleoviridis</i> Buining & Brederoo wfo---0000375398..... | 241 | <i>Melocactus koolwijkianus</i> f. <i>quadrispina</i> Suringar wfo---0001432477 | 243 |
| <i>Melocactus guanensis</i> Xhonneux & Fern.Alonso wfo---0000375399..... | 250 | <i>Melocactus koolwijkianus</i> Suringar wfo---0000375476 . 243 | |
| <i>Melocactus guaricensis</i> Croizat wfo---0000375400..... | 249 | <i>Melocactus koolwijkianus</i> var. <i>adustus</i> Suringar wfo---0001432478 | 243 |
| <i>Melocactus guatemalensis</i> Gürke & Eichlam wfo---0000375401..... | 242 | <i>Melocactus krainzianus</i> Buining & Brederoo wfo---0001289679 | 241 |
| <i>Melocactus guitarti</i> León wfo---0001432467 | 242 | | |
| <i>Melocactus guitartii</i> León wfo---0001289730 | 242 | | |
| <i>Melocactus harlowii</i> (Britton & Rose) Vaupel wfo---0001288816..... | 244 | | |

| | |
|---|-----|
| <i>Melocactus lamarckii</i> G.Don wfo--0000375461 | 244 |
| <i>Melocactus langsdorfii</i> (Lehm.) DC. wfo--0000375474 | 287 |
| <i>Melocactus lanssensianus</i> P.J.Braun wfo--0000375472 | 245 |
| <i>Melocactus lasyacanthus</i> Sprenger wfo--0000375455 | 419 |
| <i>Melocactus latispinus</i> Pfeiff. wfo--0000375456 | 140 |
| <i>Melocactus laui</i> Antesb. wfo--0000375457 | 249 |
| <i>Melocactus lehmannii</i> Miq. wfo--0000375458 | 245 |
| <i>Melocactus lemairei</i> (Monv. ex Lem.) Miq. ex Lem. wfo-- 0001289753 | 245 |
| <i>Melocactus lemairei</i> subsp. <i>praerupticola</i> (Areces) Guiggi wfo--0001432479 | 250 |
| <i>Melocactus lensselinkianus</i> Buining & Brederoo wfo-- 0001289644 | 241 |
| <i>Melocactus leopoldii</i> De Smet ex T.Moore & Mast. wfo-- 0000375460 | 405 |
| <i>Melocactus leucacanthus</i> Suringar wfo--0000375454 | 247 |
| <i>Melocactus leucaster</i> Hoffmanns. wfo--0000375462 | 244 |
| <i>Melocactus levitestatus</i> Buining & Brederoo wfo-- 0001289650 | 245 |
| <i>Melocactus levitestatus</i> f. <i>securituberculatus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001432480 | 245 |
| <i>Melocactus limis</i> Suringar wfo--0000375463 | 247 |
| <i>Melocactus</i> Link & Otto wfo--4000023681 | 241 |
| <i>Melocactus linkii</i> Valck.Sur. wfo--0000375464 | 245 |
| <i>Melocactus lobelii</i> Valck.Sur. wfo--0001289735 | 243 |
| <i>Melocactus loboguerreroi</i> Cárdenas wfo--0001289731 | 243 |
| <i>Melocactus longicarpus</i> Buining & Brederoo wfo-- 0001289572 | 243 |
| <i>Melocactus longispinus</i> Buining, Brederoo & Theunissen wfo--0001289566 | 243 |
| <i>Melocactus lutescens</i> Valck.Sur. wfo--0000375483 | 248 |
| <i>Melocactus macracanthoides</i> Miq. wfo--0000375484 | 244 |
| <i>Melocactus macracanthos</i> (Salm-Dyck) Link & Otto wfo-- 0001289744 | 245 |
| <i>Melocactus macracanthos</i> f. <i>elegans</i> Suringar wfo-- 0001432481 | 246 |
| <i>Melocactus macracanthos</i> subsp. <i>stramineus</i> (Suringar) Guiggi wfo--0001432482 | 250 |
| <i>Melocactus macracanthos</i> var. <i>miacanthus</i> Valck.Sur. wfo-- -0001432483 | 248 |
| <i>Melocactus macrocanthus</i> Miq. wfo--0000375485 | 244 |
| <i>Melocactus macrocephalus</i> Lawr. wfo--0000375492 | 245 |
| <i>Melocactus macrodiscus</i> var. <i>minor</i> F.Ritter wfo-- 0001289723 | 251 |
| <i>Melocactus macrodiscus</i> Werderm. wfo--0001289695 | 251 |
| <i>Melocactus mamillariaeformis</i> Salm-Dyck wfo-- 0001258228 | 198 |
| <i>Melocactus mamillariiformis</i> Salm-Dyck wfo-- 0001432484 | 67 |
| <i>Melocactus margaritaceus</i> Rizzini wfo--0000375489 | 251 |
| <i>Melocactus margaritaceus</i> var. <i>disciformis</i> Rizzini wfo-- 0001432485 | 251 |
| <i>Melocactus margaritaceus</i> var. <i>salvadorianus</i> Rizzini wfo-- 0001432486 | 251 |
| <i>Melocactus martialis</i> Suringar wfo--0000375490 | 247 |
| <i>Melocactus matanzanus</i> León wfo--0001287033 | 249 |
| <i>Melocactus matanzanus</i> subsp. <i>actinacanthus</i> (Areces) Guiggi wfo--0001432487 | 249 |
| <i>Melocactus maxonii</i> (Gürke) Gürke wfo--0000375487 | 243 |
| <i>Melocactus maxonii</i> var. <i>sanctae-rosae</i> L.D.Gómez wfo-- 0000375486 | 243 |
| <i>Melocactus mazelianus</i> f. <i>guanensis</i> (Xhonneux & Fern.Alonso) Guiggi wfo--0001432488 | 250 |
| <i>Melocactus mazelianus</i> Ríha wfo--0000375477 | 249 |
| <i>Melocactus mazelianus</i> subsp. <i>andinus</i> (R.Gruber ex N.P.Taylor) Guiggi wfo--0001432489 | 241 |
| <i>Melocactus mazelianus</i> subsp. <i>schatzlii</i> (H.Till & R.Gruber) Guiggi wfo--0001432490 | 250 |
| <i>Melocactus melocactoides</i> (Hoffmanns.) DC. wfo-- 0001289714 | 250 |
| <i>Melocactus melocactoides</i> f. <i>capensis</i> Rizzini wfo-- 0001432491 | 251 |
| <i>Melocactus melocactoides</i> f. <i>civitatensis</i> Rizzini wfo-- 0001289715 | 251 |
| <i>Melocactus melocactoides</i> f. <i>depressus</i> (Hook.) Rizzini wfo-- -0001289718 | 250 |
| <i>Melocactus melocactoides</i> f. <i>exsanguis</i> Rizzini wfo-- 0001289716 | 251 |
| <i>Melocactus melocactoides</i> f. <i>perspinosus</i> Rizzini wfo-- 0001432492 | 251 |
| <i>Melocactus melocactoides</i> f. <i>sanctaritae</i> Rizzini wfo-- 0001432493 | 251 |
| <i>Melocactus melocactoides</i> var. <i>depressus</i> (Hook.) Rizzini wfo--0001289717 | 250 |
| <i>Melocactus melocactoides</i> var. <i>itaipuassuensis</i> Rizzini wfo-- -0001289719 | 251 |
| <i>Melocactus melocactoides</i> var. <i>natalensis</i> Rizzini wfo-- 0001432494 | 251 |
| <i>Melocactus melocactoides</i> var. <i>violaceus</i> (Pfeiff.) Rizzini wfo--0001289720 | 250 |
| <i>Melocactus melocactus</i> (L.) H.Karst. wfo--0000375479 | 242 |
| <i>Melocactus meonacanthus</i> Link & Otto wfo--0000375480 | 244 |
| <i>Melocactus microcarpus</i> Valck.Sur. wfo--0000375481 | 248 |
| <i>Melocactus microcephalus</i> Miq. wfo--0001288862 | 246 |
| <i>Melocactus microcephalus</i> var. <i>olivascens</i> Suringar wfo-- 0001432495 | 247 |
| <i>Melocactus miquelii</i> Lehm. wfo--0001288866 | 244 |
| <i>Melocactus monoclonos</i> DC. ex Steud. wfo--0000375465 | 398 |
| <i>Melocactus montanus</i> F.Ritter wfo--0001289578 | 244 |
| <i>Melocactus monvilleanus</i> Miq. wfo--0001432496 | 242 |
| <i>Melocactus monvillianus</i> Miq. wfo--0000375423 | 405 |
| <i>Melocactus mulequensis</i> Buining & Brederoo wfo-- 0001289576 | 244 |
| <i>Melocactus nagyi</i> Z.Mészáros wfo--0001289751 | 249 |
| <i>Melocactus nanus</i> Suringar wfo--0000375424 | 247 |
| <i>Melocactus negryi</i> K.Schum. wfo--0001432497 | 249 |
| <i>Melocactus neomontanus</i> Van Heek & Hovens wfo-- 0001289579 | 244 |
| <i>Melocactus neoviridescens</i> Guiggi wfo--0001432498 | 249 |
| <i>Melocactus neryi</i> K.Schum. wfo--0000378396 | 249 |
| <i>Melocactus nitidus</i> F.Ritter wfo--0001289569 | 243 |
| <i>Melocactus oaxacensis</i> (Britton & Rose) Backeb. wfo-- 0000375426 | 243 |
| <i>Melocactus obliquus</i> f. <i>quadrispina</i> Suringar wfo-- 0001432499 | 247 |
| <i>Melocactus obliquus</i> Suringar wfo--0000375427 | 247 |
| <i>Melocactus obovatus</i> Suringar wfo--0000375429 | 247 |
| <i>Melocactus obtusipetalus</i> Lem. wfo--0001288104 | 243 |
| <i>Melocactus obtusipetalus</i> var. <i>crassicostatus</i> (Lem.) Lem. ex Miq. wfo--0001289728 | 242 |
| <i>Melocactus octogonus</i> J.Forbes wfo--0000375419 | 405 |

| | | | |
|--|-----|--|-----|
| <i>Melocactus onychacanthus</i> F.Ritter wfo---0000375425 | 242 | <i>Melocactus peruvianus</i> var. <i>lurinensis</i> Rauh & Backeb. wfo-- | 250 |
| <i>Melocactus onychacanthus</i> subsp. <i>albescens</i> (F.Ritter) | | --0001287748 | 250 |
| Guiggi wfo---0001432500 | 242 | <i>Melocactus peruvianus</i> Vaupel wfo---0001287470 | 250 |
| <i>Melocactus onychacanthus</i> var. <i>albescens</i> F.Ritter wfo--- | | 0000375450 | 250 |
| 0001287782 | 242 | <i>Melocactus pescaderensis</i> Xhonneux & Fern.Alonso wfo--- | |
| <i>Melocactus onychacanthus</i> var. <i>conicus</i> F.Ritter wfo--- | | 0000375450 | 250 |
| 0001287781 | 242 | <i>Melocactus pinguis</i> Valck.Sur. wfo---0000375451 | 248 |
| <i>Melocactus oreas</i> f. <i>azulensis</i> (Buining, Brederoo & | | <i>Melocactus pinguis</i> var. <i>areolus</i> Valck.Sur. wfo--- | |
| Theunissen) P.J.Braun wfo---0001289565 | 243 | 0001432505 | 248 |
| <i>Melocactus oreas</i> f. <i>erythracanthus</i> (Buining & Brederoo) | | <i>Melocactus pinguis</i> var. <i>laticostatus</i> Valck.Sur. wfo--- | |
| P.J.Braun wfo---0001289563 | 243 | 0001432506 | 248 |
| <i>Melocactus oreas</i> Miq. wfo---0001288105 | 249 | <i>Melocactus pinguis</i> var. <i>planispinus</i> Valck.Sur. wfo--- | |
| <i>Melocactus oreas</i> subsp. <i>bahiensis</i> (Britton & Rose) Rizzini | | 0001432507 | 248 |
| wfo---0001289634 | 241 | <i>Melocactus pinguis</i> var. <i>tenuissimus</i> Valck.Sur. wfo--- | |
| <i>Melocactus oreas</i> subsp. <i>cremnophilus</i> (Buining & | | 0001432508 | 248 |
| Brederoo) P.J.Braun wfo---0001289560 | 249 | <i>Melocactus placentiformis</i> (Lehm.) DC. wfo---0000375452 | 81 |
| <i>Melocactus oreas</i> subsp. <i>ernestii</i> (Vaupel) P.J.Braun wfo--- | | <i>Melocactus platyacanthus</i> Link & Otto wfo---0000375436 | |
| 0001289561 | 243 | | 87 |
| <i>Melocactus oreas</i> subsp. <i>oreas</i> wfo---0001289558 | 249 | <i>Melocactus poliakanthus</i> Link & Otto wfo---0000375448 | |
| <i>Melocactus oreas</i> subsp. <i>rubrisaetosus</i> (Buining, Brederoo | | | 283 |
| & Theunissen) P.J.Braun wfo---0001289556 | 249 | <i>Melocactus portoricensis</i> Suringar wfo---0000378413 | 245 |
| <i>Melocactus oreas</i> var. <i>bahiensis</i> (Britton & Rose) Rizzini | | <i>Melocactus praerupticola</i> Areces wfo---0000375446 | 250 |
| wfo---0001257491 | 241 | <i>Melocactus prolifer</i> Otto & A.Dietr. wfo---0000375432 | 142 |
| <i>Melocactus oreas</i> var. <i>longispinus</i> (Buining, Brederoo & | | <i>Melocactus pruinosus</i> var. <i>concinus</i> (Buining & Brederoo) | |
| Theunissen) P.J.Braun wfo---0001289567 | 243 | P.J.Braun wfo---0001289712 | 242 |
| <i>Melocactus oreas</i> var. <i>rubrisaetosus</i> (Buining, Brederoo & | | <i>Melocactus pruinosus</i> Werderm. wfo---0001289707 | 242 |
| Theunissen) Rizzini wfo---0001289555 | 249 | <i>Melocactus pulvinosus</i> Suringar wfo---0000375433 | 247 |
| <i>Melocactus oreas</i> var. <i>submunitis</i> Rizzini wfo--- | | <i>Melocactus pusillus</i> Suringar wfo---0000375441 | 246 |
| 0001289557 | 249 | <i>Melocactus pycnanthus</i> Cels ex Miq. wfo---0000375435 | |
| <i>Melocactus oreas</i> var. <i>submunitus</i> Rizzini wfo--- | | | 245 |
| 0001432501 | 249 | <i>Melocactus pyramidalis</i> Link & Otto wfo---0000375431 | 245 |
| <i>Melocactus orthacanthus</i> Link & Otto wfo---0000375420 | | <i>Melocactus pyramidalis</i> var. <i>compressus</i> Valck.Sur. wfo--- | |
| | 289 | 0001432509 | 248 |
| <i>Melocactus ovatus</i> Suringar wfo---0000375421 | 247 | <i>Melocactus radiatus</i> Suringar wfo---0000375437 | 247 |
| <i>Melocactus pachyacanthus</i> Buining & Brederoo wfo--- | | <i>Melocactus radoczii</i> Z.Mészáros wfo---0001289752 | 250 |
| 0001289682 | 249 | <i>Melocactus rectiusculus</i> Suringar wfo---0000375438 | 247 |
| <i>Melocactus pachyacanthus</i> subsp. <i>pachyacanthus</i> wfo--- | | <i>Melocactus recurvus</i> Link & Otto wfo---0000375439 | 140 |
| 0001289683 | 249 | <i>Melocactus reticulatus</i> Suringar wfo---0000375440 | 247 |
| <i>Melocactus pachyacanthus</i> subsp. <i>viridis</i> N.P.Taylor wfo--- | | <i>Melocactus reversus</i> Suringar wfo---0000375230 | 246 |
| 0001432502 | 249 | <i>Melocactus robustispinus</i> Buining, Brederoo & Theunissen | |
| <i>Melocactus pachyanthus</i> Buining & Brederoo wfo--- | | wfo---0001289709 | 242 |
| 0000378393 | 249 | <i>Melocactus roraimensis</i> P.J.Braun & Esteves wfo--- | |
| <i>Melocactus pachycentrus</i> Valck.Sur. wfo---0000378395 | 248 | 0001289726 | 250 |
| <i>Melocactus pachycephalus</i> N.P.Taylor wfo---0001432503 | | <i>Melocactus roseus</i> Suringar wfo---0000375253 | 247 |
| | 249 | <i>Melocactus rotifer</i> Suringar wfo---0001432510 | 248 |
| <i>Melocactus parthonii</i> Miq. wfo---0000375430 | 251 | <i>Melocactus rotifer</i> var. <i>angustior</i> Valck.Sur. wfo--- | |
| <i>Melocactus parvispinus</i> Haw. wfo---0001432504 | 245 | 0001432511 | 248 |
| <i>Melocactus parvispinus</i> Salm-Dyck ex DC. wfo--- | | <i>Melocactus rotula</i> var. <i>angusticostatus</i> Valck.Sur. wfo--- | |
| 0000375443 | 245 | 0001432512 | 248 |
| <i>Melocactus parvispinus</i> Suringar wfo---0000375444 | 246 | <i>Melocactus rotula</i> var. <i>validispinus</i> Valck.Sur. wfo--- | |
| <i>Melocactus patens</i> Suringar wfo---0000375445 | 246 | 0001432513 | 248 |
| <i>Melocactus paucispinus</i> Heimen & R.Raul wfo--- | | <i>Melocactus rubellus</i> Suringar wfo---0000375254 | 246 |
| 0001289713 | 249 | <i>Melocactus rubens</i> Miq. wfo---0000375255 | 244 |
| <i>Melocactus pedernalensis</i> M.M.Mejia & R.G.García wfo--- | | <i>Melocactus rubens</i> Pfeiff. wfo---0000375264 | 244 |
| 0000375453 | 249 | <i>Melocactus rubrisaetosus</i> Buining, Brederoo & Theunissen | |
| <i>Melocactus pentacanthus</i> Suringar wfo---0000375447 | 247 | wfo---0001289554 | 249 |
| <i>Melocactus pentacanthus</i> Lem. wfo---0001289725 | 251 | <i>Melocactus rubrispinus</i> F.Ritter wfo---0001289677 | 245 |
| <i>Melocactus perezassoi</i> Areces wfo---0001255949 | 250 | <i>Melocactus rudis</i> Suringar wfo---0000375257 | 247 |
| <i>Melocactus peruvianus</i> var. <i>amstutziae</i> (Rauh & Backeb.) | | <i>Melocactus ruestii</i> K.Schum. wfo---0000745414 | 242 |
| Rauh & Backeb. wfo---0001287747 | 250 | <i>Melocactus ruestii</i> K.Schum. wfo---0001432514 | 242 |
| <i>Melocactus peruvianus</i> var. <i>canetensis</i> Rauh & Backeb. | | <i>Melocactus ruestii</i> subsp. <i>centalapensis</i> Elizondo wfo--- | |
| wfo---0001287749 | 250 | 0001432515 | 242 |

| | | | |
|--|-----|--|----------|
| <i>Melocactus ruestii</i> subsp. <i>cintalapensis</i> Elizondo wfo--0000375258..... | 243 | <i>Melocactus spatanginus</i> Suringar wfo--0000375249 ... | 246 |
| <i>Melocactus ruestii</i> subsp. <i>maxonii</i> (Rose) Elizondo wfo--0000375259..... | 243 | <i>Melocactus spatangus</i> Pfeiff. wfo--0000375250 | 245 |
| <i>Melocactus ruestii</i> subsp. <i>oaxacensis</i> (Britton & Rose) Elizondo wfo--0000375260 | 243 | <i>Melocactus stellatus</i> Suringar wfo--0000375268 | 247 |
| <i>Melocactus ruestii</i> subsp. <i>sanctae-rosae</i> (L.D.Gómez) Elizondo wfo--0000375262 | 243 | <i>Melocactus stramineus</i> f. <i>pluricostatus</i> Suringar wfo--0001432532 | 247 |
| <i>Melocactus rufispinus</i> Bertol. wfo--0000375247 | 246 | <i>Melocactus stramineus</i> Suringar wfo--0000375263 | 250 |
| <i>Melocactus rufispinus</i> f. <i>aplanatus</i> Valck.Sur. wfo--0001432516..... | 248 | <i>Melocactus tenuispinus</i> Link & Otto wfo--0000375276 | 295 |
| <i>Melocactus rufispinus</i> f. <i>crassispinus</i> Valck.Sur. wfo--0001432517..... | 249 | <i>Melocactus tenuissimus</i> Valck.Sur. wfo--0000375277.. | 249 |
| <i>Melocactus rufispinus</i> f. <i>curvispinus</i> Valck.Sur. wfo--0001432518..... | 249 | <i>Melocactus tephraanthus</i> Link & Otto wfo--0000375278 | 283 |
| <i>Melocactus rufispinus</i> f. <i>elongatus</i> Valck.Sur. wfo--0001432519..... | 249 | <i>Melocactus townsendianus</i> Backeb. wfo--0000375279 | 250 |
| <i>Melocactus rufispinus</i> f. <i>laticostatus</i> Valck.Sur. wfo--0001432520..... | 249 | <i>Melocactus trachycephalus</i> Suringar wfo--0000375280..... | 247 |
| <i>Melocactus rufispinus</i> f. <i>paucispinus</i> Valck.Sur. wfo--0001432521..... | 249 | <i>Melocactus trichacanthus</i> Suringar wfo--0000375285 | 246 |
| <i>Melocactus rufispinus</i> f. <i>pluriareolatus</i> Valck.Sur. wfo--0001432522..... | 249 | <i>Melocactus trigonaster</i> Suringar wfo--0000375281 | 249 |
| <i>Melocactus rufispinus</i> f. <i>pluricostatus-prurispinus</i> Valck.Sur. wfo--0001432523 | 249 | <i>Melocactus trigonus</i> Suringar wfo--0000375274..... | 247 |
| <i>Melocactus rustii</i> K.Schum. wfo--0000378411 | 242 | <i>Melocactus trujillensis</i> Rauh & Backeb. wfo--0001287752 | 250 |
| <i>Melocactus salmianus</i> Link & Otto wfo--0000375256 | 245 | <i>Melocactus trujillensis</i> var. <i>schoenii</i> Rauh & Backeb. wfo--0001287753 | 250 |
| <i>Melocactus salmianus</i> var. <i>adauctus</i> Suringar wfo--0001432524..... | 247 | <i>Melocactus trujilloensis</i> Rauh & Backeb. wfo--0001432533 | 250 |
| <i>Melocactus salmianus</i> var. <i>contractus</i> Suringar wfo--0001432525..... | 247 | <i>Melocactus trujilloensis</i> var. <i>schoenii</i> Rauh & Backeb. wfo--0001432534 | 250 |
| <i>Melocactus salmianus</i> var. <i>spectabilis</i> Valck.Sur. wfo--0001432526..... | 248 | <i>Melocactus tuberculatus</i> Link & Otto wfo--0000375267 | 87 |
| <i>Melocactus salvador</i> L.Murillo wfo--0000378415 | 242 | <i>Melocactus uebelmannii</i> P.J.Braun wfo--0001289678.. | 245 |
| <i>Melocactus salvadorensis</i> subsp. <i>oliveirae</i> P.J.Braun wfo--0001432527..... | 250 | <i>Melocactus uncinatus</i> Suringar wfo--0000375273 | 247 |
| <i>Melocactus salvadorensis</i> Werderm. wfo--0001289684 | 250 | <i>Melocactus unguispinus</i> Backeb. wfo--0001287755..... | 250 |
| <i>Melocactus saxicola</i> Diers & Esteves wfo--0001289706..... | 251 | <i>Melocactus violaceus</i> Pfeiff. wfo--0000375270 | 250 |
| <i>Melocactus saxicola</i> L.Diers & E.Esteves Pereira wfo--0001432528..... | 251 | <i>Melocactus violaceus</i> subsp. <i>margaritaceus</i> N.P.Taylor wfo--0001289794 | 251 |
| <i>Melocactus schatzlii</i> subsp. <i>chicamochae</i> Fern.Alonso & Xhonneux wfo--0001432529 | 250 | <i>Melocactus violaceus</i> subsp. <i>natalensis</i> P.J.Braun & Esteves wfo--0001432535 | 251 |
| <i>Melocactus schatzlii</i> subsp. <i>schatzlii</i> wfo--0001434895..... | 250 | <i>Melocactus violaceus</i> subsp. <i>ritteri</i> N.P.Taylor wfo--0001289722 | 251 |
| <i>Melocactus schatzlii</i> W.Till & R.Gruber wfo--0000375242 | 250 | <i>Melocactus violaceus</i> subsp. <i>violaceus</i> wfo--0001289721 | 251 |
| <i>Melocactus schlumbergerianus</i> Lem. wfo--0000375243 | 245 | <i>Melocactus viridescens</i> Guiggi wfo--0001432536..... | 249 |
| <i>Melocactus schulzianus</i> Buining & Brederoo wfo--0000375244..... | 249 | <i>Melocactus viridescens</i> Nutt. ex Teschem. wfo--0000375271 | 143, 249 |
| <i>Melocactus securituberculatus</i> Buining & Brederoo wfo--0001289652..... | 245 | <i>Melocactus viridis</i> Lawr. wfo--0000375272 | 419 |
| <i>Melocactus sellowii</i> Link & Otto wfo--0000375245..... | 283 | <i>Melocactus warasii</i> E.Pereira & Buenecker wfo--0001289676 | 245 |
| <i>Melocactus sergipensis</i> N.P.Taylor & Meiado wfo--0001432530..... | 250 | <i>Melocactus wendlandii</i> Miq. wfo--0000375251 | 245 |
| <i>Melocactus smithii</i> (Alexander) Buining ex G.D.Rowley wfo--0001289486 | 250 | <i>Melocactus xanthacanthus</i> Miq. wfo--0000375219 | 244 |
| <i>Melocactus sordidus</i> Suringar wfo--0000375248 | 247 | <i>Melocactus zehntneri</i> (Britton & Rose) Luetzelb. wfo--0000375220 | 251 |
| <i>Melocactus spatanginus</i> f. <i>tenuispinus</i> Suringar wfo--0001432531..... | 246 | <i>Melocactus zehntneri</i> f. <i>douradaensis</i> (Hovens & Strecker) Delanoy wfo--0001432537 | 251 |
| | | <i>Melocactus zehntneri</i> f. <i>douradaensis</i> (Hovens & Strecker) Guiggi wfo--0001432538 | 251 |
| | | <i>Melocactus zehntneri</i> subsp. <i>arcuatispinus</i> (Brederoo & Eerkens) P.J.Braun & Esteves wfo--0001432539 | 251 |
| | | <i>Melocactus zehntneri</i> subsp. <i>canescens</i> (F.Ritter) P.J.Braun wfo--0001289702 | 251 |
| | | <i>Melocactus zehntneri</i> subsp. <i>douradaensis</i> (Hovens & Strecker) P.J.Braun & Heimen wfo--0001432540 | 251 |
| | | <i>Melocactus zehntneri</i> subsp. <i>robustispinus</i> (Buining & Brederoo) P.J.Braun wfo--0001289710 | 242 |
| | | <i>Melocactus zehntneri</i> var. <i>ananas</i> Rizzini wfo--0001432541 | 251 |
| | | <i>Melocactus zehntneri</i> var. <i>curvicornis</i> (Buining & Brederoo) P.J.Braun wfo--0001289697..... | 251 |

| | | | |
|---|----------|---|----------|
| <i>Melocactus zehntneri</i> var. <i>viridis</i> F.Ritter wfo--- | | <i>Micranthocereus polyanthus</i> subsp. <i>polyanthus</i> wfo--- | |
| 0001289703..... | 251 | 0001434896..... | 252 |
| <i>Melocactus zuccarinii</i> Miq. wfo---0001289020..... | 245 | <i>Micranthocereus purpureus</i> (Gürke) F.Ritter wfo--- | |
| <i>Mesechinopsis xnakajimae</i> Y.Itô wfo---0001432542..... | 394 | 0001289766..... | 252 |
| <i>Mesechinopsis ancistrophora</i> (Speg.) Y.Itô wfo--- | | <i>Micranthocereus ruficeps</i> F.Ritter wfo---0000375238 ... | 252 |
| 0000375225..... | 181 | <i>Micranthocereus streckeri</i> Van Heek & Van Crik. wfo--- | |
| <i>Mesechinopsis hamatacantha</i> (Backeb.) Y.Itô wfo--- | | 0000375232..... | 252 |
| 0000375215..... | 181 | <i>Micranthocereus uilianus</i> Brederoo & C.A.L.Bercht wfo--- | |
| <i>Mesechinopsis leucorhodantha</i> (Backeb.) Y.Itô wfo--- | | 0001261682..... | 252 |
| 0000375223..... | 181 | <i>Micranthocereus violaciflorus</i> Buining wfo---0000375239 | |
| <i>Mesechinopsis lobivoides</i> (Backeb.) Y.Itô wfo--- |  | ..... | 252 |
| 0000375222..... | 181 | <i>Micropuntia barkleyana</i> Daston wfo---0001287063..... | 253 |
| <i>Mesechinopsis nakajimae</i> Y.Itô wfo---0000375211..... | 419 | <i>Micropuntia brachyrhopalica</i> Daston wfo---0001287064 | |
| <i>Mesechinopsis pelecyrhachis</i> (Backeb.) Y.Itô wfo--- |  | ..... | 252, 253 |
| 0000375212..... | 181 | <i>Micropuntia</i> Daston wfo---4000024194..... | 252 |
| <i>Mesechinopsis polyancistra</i> (Backeb.) Y.Itô wfo--- | | <i>Micropuntia gracilicylindrica</i> E.F.Wiegand & Backeb. wfo--- | |
| 0000375213..... | 181 | 0001288256..... | 253 |
| <i>Mesechinopsis</i> Y.Itô wfo---4000023837..... | 181 | <i>Micropuntia pulchella</i> (Engelm.) M.P.Griff. wfo--- | |
| <i>Meyenia</i> Backeb. wfo---4000023974..... | 377 | 0000378334..... | 252 |
| <i>Meyenia weberbaueri</i> Backeb. wfo---0000375214..... | 377 | <i>Micropuntia pulchella</i> subsp. <i>gracilicylindrica</i> (E.F.Wiegand | |
| <i>Meyerocactus</i> Doweld wfo---4000023980..... | 86 | & Backeb.) Hochstätter wfo---0001432547..... | 253 |
| <i>Meyerocactus horizonthalonius</i> (Lem.) Doweld wfo--- | | <i>Micropuntia pygmaea</i> E.F.Wiegand & Backeb. wfo--- | |
| 0001254429..... | 86 | 0001288257..... | 253 |
| <i>Meyerocactus horizonthalonius</i> subsp. <i>nicholii</i> | | <i>Micropuntia spectatissima</i> Daston wfo---0001287065.. | 253 |
| (L.D.Benson) Doweld wfo---0001286156..... | 86 | <i>Micropuntia tuberculosirhopalica</i> E.F.Wiegand & Backeb. | |
| <i>Micranthocereus albicephalus</i> (Buining & Brederoo) | | wfo---0001432548..... | 253 |
| F.Ritter wfo---0001289767..... | 251 | <i>Micropuntia tuberculosirhopalica</i> E.F.Wiegand & Backeb. | |
| <i>Micranthocereus aureispinus</i> F.Ritter wfo---0000375217 | | wfo---0001245558..... | 253 |
| ..... | 251 | <i>Micropuntia wiegandii</i> Backeb. wfo---0001245559..... | 253 |
| <i>Micranthocereus auri-azureus</i> Buining & Brederoo wfo--- | | <i>Microspermia cruci-albicentra</i> Frič wfo---0000375231.. | 420 |
| 0000375218..... | 252 | <i>Microspermia</i> Frič wfo---4000024220..... | 279 |
| <i>Micranthocereus</i> Backeb. wfo---4000024036..... | 251 | <i>Microspermia gigantea</i> Frič ex Kreuz. wfo---0000375226 | |
| <i>Micranthocereus densiflorus</i> Buining & Brederoo wfo--- |  | ..... | 420 |
| 0001289770..... | 252 | <i>Microspermia rigidissima</i> Frič wfo---0000375228..... | 420 |
| <i>Micranthocereus dolichospermaticus</i> (Buining & Brederoo) | | <i>Mila albisaetacens</i> Rauh & Backeb. wfo---0000375229 | 254 |
| F.Ritter wfo---0001289769..... | 252 | <i>Mila albisetacea</i> Rauh & Backeb. wfo---0001287536... | 253 |
| <i>Micranthocereus estevesii</i> (Buining & Brederoo) F.Ritter | | <i>Mila alboareolata</i> Akers wfo---0001287526..... | 253 |
| wfo---0001289771..... | 252 | <i>Mila breviseta</i> Rauh & Backeb. wfo---0001287530..... | 253 |
| <i>Micranthocereus flaviflorus</i> Buining & Brederoo wfo--- | | <i>Mila</i> Britton & Rose wfo---4000024284..... | 253 |
| 0001289768..... | 252 | <i>Mila caespitosa</i> Britton & Rose wfo---0001287469..... | 253 |
| <i>Micranthocereus flaviflorus</i> subsp. <i>alvinii</i> (M.Machado & | | <i>Mila caespitosa</i> f. <i>albisaetacens</i> (Rauh & Backeb.) Donald | |
| Hofacker) Lodé wfo---0001432543..... | 252 | wfo---0001432549..... | 254 |
| <i>Micranthocereus flaviflorus</i> subsp. <i>densiflorus</i> (Buining & | | <i>Mila caespitosa</i> f. <i>albisetacea</i> (Rauh & Backeb.) Donald | |
| Brederoo) P.J.Braun & Esteves wfo---0001261680..... | 252 | wfo---0001288023..... | 253 |
| <i>Micranthocereus flaviflorus</i> subsp. <i>uilianus</i> (Brederoo & | | <i>Mila caespitosa</i> f. <i>breviseta</i> (Rauh & Backeb.) Donald wfo-- | |
| C.A.L.Bercht) P.J.Braun & Esteves wfo---0001432544..... | 252 | -0001288025..... | 253 |
| <i>Micranthocereus flaviflorus</i> var. <i>uilianus</i> (Brederoo & | | <i>Mila caespitosa</i> f. <i>cereoides</i> (Rauh & Backeb.) Donald wfo-- | |
| C.A.L.Bercht) P.J.Braun & Esteves wfo---0001261681..... | 252 | -0001288026..... | 253 |
| <i>Micranthocereus haematocarpus</i> F.Ritter wfo--- | | <i>Mila caespitosa</i> f. <i>fortalezensis</i> (Rauh & Backeb.) Donald | |
| 0000375234..... | 252 | wfo---0001432550..... | 253 |
| <i>Micranthocereus hofackerianus</i> (P.J.Braun & Esteves) | | <i>Mila caespitosa</i> f. <i>kubeana</i> (Werderm. & Backeb.) Donald | |
| M.Machado wfo---0000507642..... | 252 | wfo---0001288029..... | 253 |
| <i>Micranthocereus lehmannianus</i> (Werderm.) F.Ritter wfo--- | | <i>Mila caespitosa</i> f. <i>lurinensis</i> (Rauh & Backeb.) Donald wfo-- | |
| 0000375235..... | 252 | -0001288030..... | 253 |
| <i>Micranthocereus monteazulensis</i> F.Ritter wfo--- | | <i>Mila caespitosa</i> f. <i>sublanata</i> (Rauh & Backeb.) Donald wfo-- | |
| 0000375236..... | 251 | -0001288033..... | 253 |
| <i>Micranthocereus oliveirae</i> P.J.Braun wfo---0001432545..... | 251 | <i>Mila caespitosa</i> subsp. <i>caespitosa</i> wfo---0001434897.. | 253 |
| <i>Micranthocereus polyanthus</i> (Werderm.) Backeb. wfo--- | | <i>Mila caespitosa</i> subsp. <i>densiseta</i> (Rauh & Backeb.) | |
| 0000375237..... | 251, 252 | Ostolaza wfo---0001432551..... | 253 |
| <i>Micranthocereus polyanthus</i> subsp. <i>alvinii</i> M.Machado & | | <i>Mila caespitosa</i> subsp. <i>fortalezensis</i> (Rauh & Backeb.) | |
| Hofacker wfo---0001432546..... | 252 | Ostolaza wfo---0001432552..... | 253 |

| | | | |
|---|---------|---|----------|
| <i>Mila caespitosa</i> subsp. <i>nealaena</i> (Backeb.) Donald wfo--0001288031..... | 253 | <i>Monvillea ballivianii</i> Cárdenas wfo--0001288172..... | 315 |
| <i>Mila caespitosa</i> subsp. <i>nealeana</i> (Backeb.) Donald wfo--0001432553..... | 253 | <i>Monvillea</i> Britton & Rose wfo--4000024811 | 135, 315 |
| <i>Mila caespitosa</i> subsp. <i>pugionifera</i> (Rauh & Backeb.) D.R.Hunt wfo--0001432554 | 253 | <i>Monvillea brittoniana</i> (Werderm.) Borg wfo--0001289366 | 315 |
| <i>Mila caespitosa</i> var. <i>alboareolata</i> (Akers) Donald wfo--0001288024..... | 253 | <i>Monvillea calliantha</i> Fuau & Backeb. wfo--0000375331 | 316 |
| <i>Mila caespitosa</i> var. <i>densiseta</i> (Rauh & Backeb.) Donald wfo--0001288027..... | 253 | <i>Monvillea campinensis</i> (Backeb. & Voll) Backeb. wfo--0000375332 | 316 |
| <i>Mila caespitosa</i> var. <i>fortalezensis</i> (Rauh & Backeb.) Donald wfo--0001288028..... | 253 | <i>Monvillea cavendishii</i> (Monv.) Britton & Rose wfo--0000375323 | 315, 316 |
| <i>Mila caespitosa</i> var. <i>pugionifera</i> (Rauh & Backeb.) Donald wfo--0001288032..... | 253 | <i>Monvillea chacoana</i> F.Ritter wfo--0001246801..... | 316 |
| <i>Mila cereoides</i> Rauh & Backeb. wfo--0000375317..... | 253 | <i>Monvillea diffusa</i> Britton & Rose wfo--0001287740 | 315 |
| <i>Mila cereoides</i> Rauh & Backeb. wfo--0001287532 | 253 | <i>Monvillea ebenacantha</i> F.Ritter wfo--0001246802 | 43 |
| <i>Mila colorea</i> F.Ritter wfo--0001287811 | 254 | <i>Monvillea estevesii</i> (P.J.Braun) Lodé wfo--0001432558 | 39 |
| <i>Mila densiseta</i> Rauh & Backeb. wfo--0001287537..... | 253 | <i>Monvillea euclora</i> (F.A.C.Weber ex K.Schum.) Backeb. wfo--0001239485 | 315 |
| <i>Mila fortalezensis</i> Rauh & Backeb. wfo--0001287531..... | 253 | <i>Monvillea haageana</i> Backeb. wfo--0000375320 | 43 |
| <i>Mila kubeana</i> Werderm. & Backeb. wfo--0001287527..... | 253 | <i>Monvillea insularis</i> (Hemsl.) Britton & Rose wfo--0001257537 | 41 |
| <i>Mila kubei</i> Backeb. wfo--0000375312..... | 253 | <i>Monvillea jaenensis</i> Rauh & Backeb. wfo--0001287742316 | 316 |
| <i>Mila lurinensis</i> Rauh & Backeb. wfo--0001287538..... | 253 | <i>Monvillea jaenensis</i> var. <i>paucispina</i> Rauh & Backeb. wfo--0001287743 | 316 |
| <i>Mila nealeana</i> Backeb. wfo--0001287528..... | 253 | <i>Monvillea krapovickiana</i> R.Kiesling wfo--0000746775 | 316 |
| <i>Mila nealeana</i> f. <i>senilis</i> F.Ritter wfo--0001432555..... | 253 | <i>Monvillea kroenleinii</i> R.Kiesling wfo--0001289542 | 42 |
| <i>Mila nealeana</i> var. <i>tenuior</i> Rauh & Backeb. wfo--0001287529..... | 253 | <i>Monvillea lauterbachii</i> (K.Schum.) Borg wfo--0000375321 | 315 |
| <i>Mila pugionifera</i> Rauh & Backeb. wfo--0001287535 | 253 | <i>Monvillea leucantha</i> F.Ritter wfo--0001246803 | 315 |
| <i>Mila sublanata</i> Rauh & Backeb. wfo--0001287533 | 253 | <i>Monvillea lindenzweigiana</i> (Gürke) Backeb. wfo--0000375324 | 43 |
| <i>Mila sublanata</i> var. <i>pallidior</i> Rauh & Backeb. wfo--0001287534..... | 253 | <i>Monvillea maritima</i> Britton & Rose wfo--0001287741..... | 315 |
| <i>Miqueliopuntia</i> Frič ex F.Ritter wfo--4000024366..... | 254 | <i>Monvillea maritima</i> var. <i>spiniosior</i> Backeb. wfo--0001289368 | 315 |
| <i>Miqueliopuntia miquelii</i> (Monv.) F.Ritter wfo--0001038954..... | 7, 254 | <i>Monvillea minensis</i> (F.Ritter) R.Kiesling wfo--0001289547 | 42 |
| <i>Miqueliopuntia miquelii</i> f. <i>flava</i> P.V.Heath wfo--0001432556..... | 254 | <i>Monvillea parapatiensis</i> F.Ritter wfo--0001246804..... | 316 |
| <i>Mirabella albicaulis</i> (Britton & Rose) F.Ritter wfo--0001289544..... | 38, 39 | <i>Monvillea parpaetiensis</i> F.Ritter wfo--0000375325..... | 316 |
| <i>Mirabella estevesii</i> (P.J.Braun) Guiggi wfo--0001432557..... | 39 | <i>Monvillea paxtoniana</i> (Monv. ex Salm-Dyck) Borg wfo--0000375326 | 316 |
| <i>Mirabella</i> F.Ritter wfo--4000024367..... | 38 | <i>Monvillea paxtoniana</i> var. <i>borealis</i> F.Ritter wfo--0001432559 | 316 |
| <i>Mirabella minensis</i> F.Ritter wfo--0001289545 | 42 | <i>Monvillea phatnosperma</i> (K.Schum.) Britton & Rose wfo--0001289543 | 42 |
| <i>Mitrocereus</i> (Backeb.) Backeb. wfo--4000024446 | 35 | <i>Monvillea phatnosperma</i> subsp. <i>adelmarii</i> (Rizzini & A.Mattos) Lodé wfo--0001432560 | 42 |
| <i>Mitrocereus chrysomallus</i> (Audot) Bravo ex Buxb. wfo--0001289446..... | 278 | <i>Monvillea phatnosperma</i> subsp. <i>kroenleinii</i> (N.P.Taylor) Lodé wfo--0001432561 | 42 |
| <i>Mitrocereus chrysomallus</i> (Lem.) Backeb. wfo--0000375313..... | 35, 278 | <i>Monvillea phatnosperma</i> var. <i>arenasii</i> Oakley & R.Kiesling wfo--0001432562 | 42 |
| <i>Mitrocereus columna-trajani</i> (Karw. ex Pfeiff.) Backeb. ex E.Y.Dawson wfo--0000375319 | 36 | <i>Monvillea piedadensis</i> Backeb. & Voll wfo--0001253003 | 423 |
| <i>Mitrocereus fulviceps</i> (F.A.C.Weber ex K.Schum.) Backeb. ex Bravo wfo--0001289773 | 36 | <i>Monvillea piedadensis</i> F.Ritter wfo--0000375315 | 315 |
| <i>Mitrocereus militaris</i> (Audot) Bravo wfo--0000375327 | 278 | <i>Monvillea pucarensis</i> F.Ritter wfo--0001289203 | 316 |
| <i>Mitrocereus ruficeps</i> (F.A.C.Weber ex Rol.-Goss.) Backeb. wfo--0000375329 | 37 | <i>Monvillea pugionifera</i> F.Ritter wfo--0001287780..... | 315 |
| <i>Monvillea adelmarii</i> Rizzini & A.Mattos wfo--0001254934 | 42 | <i>Monvillea rhodoleucantha</i> (K.Schum.) A.Berger wfo--0000375289 | 316 |
| <i>Monvillea albicaulis</i> (Britton & Rose) R.Kiesling wfo--0001289546..... | 39 | <i>Monvillea saddiana</i> Rizzini & A.Mattos wfo--0001254937 | 43 |
| <i>Monvillea alticostata</i> F.Ritter wfo--0001253004 | 316 | <i>Monvillea saxicola</i> (Morong) A.Berger wfo--0000375290 | 316 |
| <i>Monvillea amazonica</i> (K.Schum.) Britton & Rose wfo--0001287437..... | 315 | <i>Monvillea smithiana</i> (Britton & Rose) Backeb. wfo--0000375291 | 316 |
| <i>Monvillea anisitsii</i> (K.Schum.) A.Berger wfo--0001289095 | 43 | | |
| <i>Monvillea apoloensis</i> Cárdenas wfo--0001288177 | 315 | | |

| | | | |
|---|----------|---|----------|
| <i>Monvillea spagazzinii</i> (F.A.C.Weber) Britton & Rose wfo--- 0001289320..... | 43 | <i>Myrtillocereus</i> Frič & Kreuz. wfo---4000025212 | 254 |
| <i>Morangaya</i> G.D.Rowley wfo---4000024827 | 87, 254 | <i>Myrtillocereus geometrizzans</i> Frič & Kreuz. wfo--- 0001289430 | 255 |
| <i>Morangaya pensilis</i> (K.Brandege) G.D.Rowley wfo--- 0001289977..... | 254 | <i>Myrtillocereus geometrizzans</i> var. <i>pugionifer</i> (K.Schum.) Frič & Kreuz. wfo---0001289431 | 254 |
| <i>Moraquipa</i> Rüd.Baumgärtner wfo---4000042574..... | 275 | <i>Napina</i> Frič wfo---4000042608 | 364 |
| <i>Morawetzia</i> Backeb. wfo---4000024830 | 275 | <i>Navajoa</i> Croizat wfo---4000025398..... | 300 |
| <i>Morawetzia doelziana</i> Backeb. wfo---0001287585 | 275, 276 | <i>Navajoa durispina</i> Y.Itô wfo---0000380109 | 420 |
| <i>Morawetzia doelziana</i> f. <i>calva</i> (Rauh & Backeb.) F.Ritter wfo---0001432563..... | 276 | <i>Navajoa fickeisenii</i> Backeb. wfo---0000380108 | 301 |
| <i>Morawetzia doelziana</i> subsp. <i>calva</i> (Rauh & Backeb.) Guiggi wfo---0001432564..... | 276 | <i>Navajoa peeblesiana</i> Croizat wfo---0001288305 | 300, 301 |
| <i>Morawetzia doelziana</i> subsp. <i>sericata</i> (F.Ritter) Guiggi wfo---0001432565..... | 276 | <i>Navajoa peeblesiana</i> f. <i>maia</i> Hochstätter wfo--- 0001432574 | 301 |
| <i>Morawetzia doelziana</i> var. <i>calva</i> Rauh & Backeb. wfo--- 0001287586..... | 276 | <i>Navajoa peeblesiana</i> f. <i>menzelii</i> Hochstätter wfo--- 0001432575 | 301 |
| <i>Morawetzia doelziana</i> var. <i>fuscatispina</i> Backeb. wfo--- 0001289228..... | 276 | <i>Navajoa peeblesiana</i> subsp. <i>fickeisenii</i> (Backeb. ex Hochstätter) Hochstätter wfo---0001262134 | 301 |
| <i>Morawetzia sericata</i> F.Ritter wfo---0001287825 | 276 | <i>Navajoa peeblesiana</i> subsp. <i>menzelii</i> (Hochstätter) Hochstätter wfo---0001432576 | 301 |
| <i>Morawetzia varicolor</i> (Backeb.) Kníže wfo---0001287919 | 277 | <i>Navajoa peeblesiana</i> var. <i>fickeisenii</i> Hochstätter wfo--- 0001262133 | 301 |
| <i>Morawetzia variicolor</i> Kníže wfo---0001432566 | 277 | <i>Neoabbottia</i> Britton & Rose wfo---4000025589 | 176 |
| <i>Mortolopuntia</i> Guiggi wfo---4000042717..... | 33 | <i>Neoabbottia grantiana</i> (Britton) Buxb. wfo---0000380438 | 177 |
| <i>Mortolopuntia schickendantzii</i> (F.A.C.Weber) Guiggi wfo--- 0001432567..... | 334 | <i>Neoabbottia paniculata</i> (Lam.) Britton & Rose wfo--- 0001288897 | 176, 177 |
| <i>Myrtillocactus chende</i> (Rol.-Goss.) P.V.Heath wfo--- 0001262121..... | 315 | <i>Neoabbottia paniculata</i> var. <i>humboldtii</i> Backeb. wfo--- 0001432577 | 177 |
| <i>Myrtillocactus chende</i> f. <i>cristatus</i> P.V.Heath wfo--- 0001432568..... | 315 | <i>Neoabbottia quadricostata</i> (Bello) Guiggi wfo--- 0001432578 | 177 |
| <i>Myrtillocactus chichipe</i> (Rol.-Goss.) P.V.Heath wfo--- 0000375287..... | 315 | <i>Neoabbottia weingartiana</i> (E.Hartmann) Guiggi wfo--- 0001432579 | 177 |
| <i>Myrtillocactus chicjipe</i> (Gosselin) P.V.Heath wfo--- 0001262122..... | 315 | <i>Neobesseyia abdita</i> (Řepka & Vaško) Lodé wfo--- 0001432580 | 128 |
| <i>Myrtillocactus chiotilla</i> (F.A.C.Weber ex K.Schum.) P.V.Heath wfo---0001262123 | 133 | <i>Neobesseyia arizonica</i> Hester wfo---0000378514 | 420 |
| <i>Myrtillocactus chiotilla</i> f. <i>spiralis</i> P.V.Heath wfo--- 0001432569..... | 133 | <i>Neobesseyia asperispina</i> (Boed.) Boed. ex Backeb. & F.M.Knuth wfo---0000380437 | 131 |
| <i>Myrtillocactus cochal</i> (Orcutt) Britton & Rose wfo--- 0001287217..... | 254 | <i>Neobesseyia asperispina</i> (Boed.) Boed. wfo---0000380446 | 131 |
| <i>Myrtillocactus Console</i> wfo---4000025211 | 87, 254 | <i>Neobesseyia</i> Britton & Rose wfo---4000025616..... | 128 |
| <i>Myrtillocactus eichlamii</i> Britton & Rose wfo---0001287066 | 254 | <i>Neobesseyia cubensis</i> (Britton & Rose) Hester wfo--- 0001040763 | 129 |
| <i>Myrtillocactus geometrizzans</i> (Mart. ex Pfeiff.) Console wfo- ---0001287034 | 254 | <i>Neobesseyia dasyacantha</i> (Engelm.) Lodé wfo--- 0001432581 | 129 |
| <i>Myrtillocactus geometrizzans</i> f. <i>cristatus</i> P.V.Heath wfo--- 0001432570..... | 254 | <i>Neobesseyia dasyacantha</i> subsp. <i>chaffeyi</i> (Britton & Rose) Lodé wfo---0001432582..... | 129 |
| <i>Myrtillocactus geometrizzans</i> f. <i>hintonii</i> W.A.Fitz Maur. wfo- ---0001432571 | 254 | <i>Neobesseyia duncanii</i> (Hester) Lodé wfo---0001432583 | 129 |
| <i>Myrtillocactus geometrizzans</i> var. <i>cochal</i> (Orcutt) W.T.Marshall wfo---0001278760..... | 254 | <i>Neobesseyia emskoetteriana</i> (Quehl) Lodé wfo--- 0001432584 | 129 |
| <i>Myrtillocactus geometrizzans</i> var. <i>grandiareolatus</i> (Bravo) Backeb. wfo---0001288081 | 254 | <i>Neobesseyia lloydii</i> (Britton & Rose) Lodé wfo--- 0001432585 | 130 |
| <i>Myrtillocactus geometrizzans</i> var. <i>pugionifera</i> (Lem.) Console wfo---0001432572 | 254 | <i>Neobesseyia macdougallii</i> (Alexander) Kladiwa wfo--- 0000380440 | 52 |
| <i>Myrtillocactus grandiareolatus</i> Bravo wfo---0001288080 | 254 | <i>Neobesseyia minima</i> (Baird) Lodé wfo---0001432586 | 130 |
| <i>Myrtillocactus hertrichii</i> Houghton wfo---0000375300 | 254 | <i>Neobesseyia missouriensis</i> (Sweet) Britton & Rose wfo--- 0001257694 | 128, 130 |
| <i>Myrtillocactus pugionifer</i> A.Berger wfo---0000375294 | 254 | <i>Neobesseyia missouriensis</i> subsp. <i>asperispina</i> (Boed.) Lodé wfo---0001432587 | 131 |
| <i>Myrtillocactus schenckii</i> (J.A.Purpus) Britton & Rose wfo--- 0001288079..... | 255 | <i>Neobesseyia missouriensis</i> subsp. <i>similis</i> (Engelm.) Doweld wfo---0001432588 | 130 |
| <i>Myrtillocactus schenckii</i> f. <i>cristatus</i> P.V.Heath wfo--- 0001432573..... | 255 | <i>Neobesseyia muehlbaueriana</i> Boed. wfo---0000380450 | 129 |
| | | <i>Neobesseyia notesteinii</i> (Britton) Britton & Rose wfo--- 0001257695 | 130 |

| | | | |
|---|-----|---|--------|
| <i>Neobesseyia nuttallii</i> (Engelm.) Borg wfo--0000380442 | 130 | <i>Neobuxbaumia squamulosa</i> Scheinvar & Sánchez-Mej. wfo--0001252710 | 37 |
| <i>Neobesseyia nuttallii</i> Boed. wfo--0000380449 | 130 | <i>Neobuxbaumia tetetzo</i> (F.A.C.Weber ex J.M.Coult.) Backeb. wfo--0000380098 | 35, 38 |
| <i>Neobesseyia odorata</i> (Boed.) Borg wfo--0000380447 | 69 | <i>Neobuxbaumia tetetzo</i> var. <i>nuda</i> (E.Y.Dawson) E.Y.Dawson wfo--0001289059 | 37 |
| <i>Neobesseyia robbinsorum</i> (W.H.Earle) Doweld wfo-- 0001268637 | 131 | <i>Neocardenasia</i> Backeb. wfo--4000025638 | 255 |
| <i>Neobesseyia roseiflora</i> Lahman ex G.H.Turner wfo-- 0000382528 | 420 | <i>Neocardenasia herzogiana</i> Backeb. wfo--0001289527 | 255 |
| <i>Neobesseyia rosiflora</i> Lahman wfo--0000380445 | 420 | <i>Neochilenia acrocarpa</i> Backeb. wfo--0000382540 | 113 |
| <i>Neobesseyia similis</i> (Engelm.) Britton & Rose wfo-- 0001257693 | 130 | <i>Neochilenia acrocarpa</i> var. <i>fulva</i> E.Y.Dawson wfo-- 0001432594 | 118 |
| <i>Neobesseyia wissmannii</i> (Hildm. ex K.Schum.) Britton & Rose wfo--0001257691 | 130 | <i>Neochilenia aerocarpa</i> Backeb. wfo--0000380095 | 113 |
| <i>Neobesseyia zilziana</i> (Boed.) Boed. ex Backeb. & F.M.Knuth wfo--0000380444 | 133 | <i>Neochilenia ambigua</i> (Hildm. ex K.Schum.) Y.Itô wfo-- 0000380099 | 57 |
| <i>Neobesseyia zilziana</i> (Boed.) Boed. wfo--0000380443 | 133 | <i>Neochilenia andreaeana</i> Backeb. wfo--0000380094 | 125 |
| <i>Neobinghamia xclimaxantha</i> var. <i>armata</i> Rauh & Backeb. wfo--0001432589 | 393 | <i>Neochilenia aricensis</i> (F.Ritter) Backeb. wfo--0000380093 | 123 |
| <i>Neobinghamia xclimaxantha</i> var. <i>lurinensis</i> Rauh & Backeb. wfo--0001432590 | 393 | <i>Neochilenia aspillagae</i> (Söhrens) Backeb. wfo-- 0000380092 | 113 |
| <i>Neobinghamia xclimaxantha</i> var. <i>subfusciflora</i> Rauh & Backeb. wfo--0001432591 | 393 | <i>Neochilenia atra</i> Backeb. wfo--0000380091 | 122 |
| <i>Neobinghamia xmirabilis</i> Rauh & Backeb. wfo-- 0001287697 | 392 | <i>Neochilenia</i> Backeb. wfo--4000025649 | 112 |
| <i>Neobinghamia xmultiareolata</i> Rauh & Backeb. wfo-- 0001287694 | 393 | <i>Neochilenia calderana</i> (F.Ritter) Backeb. wfo-- 0000380090 | 114 |
| <i>Neobinghamia xmultiareolata</i> var. <i>superba</i> Rauh & Backeb. wfo--0001287695 | 393 | <i>Neochilenia carneiflora</i> Kilian wfo--0000380031 | 118 |
| <i>Neobinghamia</i> Backeb. wfo--4000025617 | 392 | <i>Neochilenia chilensis</i> (Hildm. ex K.Schum.) Backeb. wfo-- 0000380030 | 114 |
| <i>Neobinghamia climaxantha</i> (Werderm.) Backeb. wfo-- 0001287691 | 393 | <i>Neochilenia chorosensis</i> (F.Ritter) Backeb. wfo-- 0000380029 | 119 |
| <i>Neobinghamia climaxantha</i> var. <i>armata</i> Rauh & Backeb. wfo--0001287692 | 393 | <i>Neochilenia confinis</i> (F.Ritter) Backeb. wfo--0000380028 | 120 |
| <i>Neobinghamia climaxantha</i> var. <i>lurinensis</i> Rauh & Backeb. wfo--0001287693 | 393 | <i>Neochilenia deherdtiana</i> Backeb. wfo--0000380027 | 119 |
| <i>Neobinghamia villigera</i> Rauh & Backeb. wfo--0001287696 | 393 | <i>Neochilenia dimorpha</i> (F.Ritter) Backeb. wfo--0000380019 | 124 |
| <i>Neobuxbaumia</i> Backeb. wfo--4000025632 | 35 | <i>Neochilenia duripulpa</i> (F.Ritter) Backeb. wfo--0000380025 | 117 |
| <i>Neobuxbaumia euphorbioides</i> (Haw.) Buxb. wfo-- 0001247810 | 36 | <i>Neochilenia ebenacantha</i> (Monv. ex Labour.) Backeb. wfo-- 0000380032 | 123 |
| <i>Neobuxbaumia euphorbioides</i> var. <i>olfersii</i> (Salm-Dyck) Bravo wfo--0001432592 | 36 | <i>Neochilenia eriocephala</i> Backeb. wfo--0000380022 | 127 |
| <i>Neobuxbaumia laui</i> (P.V.Heath) D.R.Hunt wfo-- 0001252361 | 37 | <i>Neochilenia eriosyzoides</i> (F.Ritter) Backeb. wfo-- 0000380021 | 117 |
| <i>Neobuxbaumia macrocephala</i> (F.A.C.Weber ex K.Schum.) E.Y.Dawson wfo--0001289049 | 37 | <i>Neochilenia eriosyzoides</i> var. <i>roseiflora</i> Y.Itô wfo-- 0001432595 | 118 |
| <i>Neobuxbaumia mezcalaensis</i> (Bravo) Backeb. wfo-- 0001289054 | 37 | <i>Neochilenia esmeraldana</i> (F.Ritter) Backeb. wfo-- 0000380020 | 118 |
| <i>Neobuxbaumia mezcalaensis</i> var. <i>multiareolata</i> (E.Y.Dawson) E.Y.Dawson wfo--0001289055 | 37 | <i>Neochilenia esmeraldana</i> var. <i>brevispina</i> Backeb. wfo-- 0001432596 | 118 |
| <i>Neobuxbaumia mezcalaensis</i> var. <i>robusta</i> (E.Y.Dawson) Backeb. wfo--0001289056 | 37 | <i>Neochilenia flaviflora</i> Y.Itô wfo--0000380040 | 420 |
| <i>Neobuxbaumia mezcalaensis</i> var. <i>robusta</i> (E.Y.Dawson) E.Y.Dawson wfo--0001432593 | 37 | <i>Neochilenia floccosa</i> (F.Ritter) Backeb. wfo--0000380042 | 123 |
| <i>Neobuxbaumia multiareolata</i> (E.Y.Dawson) Bravo, Scheinvar & Sánchez-Mej. wfo--0001289451 | 37 | <i>Neochilenia fobeana</i> (Mieckley) Backeb. wfo--0000380026 | 124 |
| <i>Neobuxbaumia polylopha</i> (DC.) Backeb. wfo--0001289450 | 37 | <i>Neochilenia fusca</i> (Muehlenpf.) Backeb. wfo--0000380048 | 123 |
| <i>Neobuxbaumia sanchez-mejoradae</i> A.B.Lau wfo-- 0001252362 | 37 | <i>Neochilenia glaucescens</i> (F.Ritter) Backeb. wfo-- 0000380047 | 127 |
| <i>Neobuxbaumia scoparia</i> (Poselg.) Backeb. wfo-- 0001289447 | 37 | <i>Neochilenia gracilis</i> (F.Ritter) Backeb. wfo--0000380046 | 127 |
| | | <i>Neochilenia hankeana</i> (C.F.Först.) Dölz wfo--0000380045 | 123 |
| | | <i>Neochilenia hankeana</i> var. <i>minor</i> (Labour.) Backeb. wfo-- 0001432597 | 123 |

| | | | |
|---|----------|---|--------|
| <i>Neochilenia hankeana</i> var. <i>taltalensis</i> Backeb. wfo-- 0001432598..... | 123 | <i>Neochilenia robusta</i> var. <i>vegasana</i> (F.Ritter) Backeb. wfo-- 0001432604..... | 116 |
| <i>Neochilenia huascensis</i> (F.Ritter) Backeb. wfo-- 0000380044..... | 117 | <i>Neochilenia rostrata</i> (Jacobi) Backeb. wfo--0000380013 | 126 |
| <i>Neochilenia hypogaea</i> Backeb. wfo--0000380034..... | 420 | <i>Neochilenia rupicola</i> (F.Ritter) Backeb. wfo--0000380012 | 127 |
| <i>Neochilenia imitans</i> Backeb. wfo--0000380041..... | 121 | <i>Neochilenia scoparia</i> (F.Ritter) Backeb. wfo--0000380011 | 127 |
| <i>Neochilenia intermedia</i> (F.Ritter) Backeb. wfo-- 0000380050..... | 127 | <i>Neochilenia setosiflora</i> (F.Ritter) Backeb. wfo-- 0000380009..... | 124 |
| <i>Neochilenia iquiquensis</i> (F.Ritter) Backeb. wfo-- 0000380039..... | 119 | <i>Neochilenia setosiflora</i> var. <i>intermedia</i> (F.Ritter) Backeb. wfo--0001432605..... | 125 |
| <i>Neochilenia jussieu</i> (Monv.) Backeb. wfo--0001038959 | 112, 124 | <i>Neochilenia simulans</i> (F.Ritter) Backeb. wfo--0000380018 | 124 |
| <i>Neochilenia krausii</i> Backeb. wfo--0000380038..... | 120 | <i>Neochilenia taltalensis</i> (Hutchison) Backeb. wfo-- 0000380007..... | 127 |
| <i>Neochilenia kunzei</i> (C.F.Först.) Backeb. ex Dölz wfo-- 0000382542..... | 120 | <i>Neochilenia totoralensis</i> (F.Ritter) Backeb. wfo-- 0000380006..... | 115 |
| <i>Neochilenia kunzei</i> (C.F.Först.) Backeb. wfo--0000380037 | 120 | <i>Neochilenia transitensis</i> (F.Ritter) Backeb. wfo-- 0000380005..... | 118 |
| <i>Neochilenia lembcke</i> Backeb. wfo--0000380036..... | 122 | <i>Neochilenia wagenknechtii</i> (F.Ritter) Backeb. wfo-- 0000380004..... | 115 |
| <i>Neochilenia malleolata</i> (F.Ritter) Backeb. wfo-- 0000380010..... | 121 | <i>Neodawsonia apicicephalium</i> (E.Y.Dawson) Backeb. wfo-- 0001289435..... | 35, 36 |
| <i>Neochilenia malleolata</i> var. <i>solitaria</i> (F.Ritter) Backeb. wfo-- --0001432599..... | 121 | <i>Neodawsonia apicicephalium</i> subsp. <i>totalapensis</i> Guiggi wfo--0001432606..... | 36 |
| <i>Neochilenia mitis</i> (Phil.) Backeb. wfo--0000380049..... | 121 | <i>Neodawsonia apicicephalium</i> subsp. <i>totalapensis</i> Guiggi wfo--0001432607..... | 36 |
| <i>Neochilenia monte-amargensis</i> Backeb. wfo--0001262318 | 122 | <i>Neodawsonia</i> Backeb. wfo--4000025665..... | 35 |
| <i>Neochilenia napina</i> (Phil.) Backeb. wfo--0000380001... 121 | 121 | <i>Neodawsonia euphorbioides</i> (Haw.) Buxb. wfo-- 0001289453..... | 36 |
| <i>Neochilenia napina</i> var. <i>glaucescens</i> (F.Ritter) Y.Itô wfo-- 0001432600..... | 127 | <i>Neodawsonia euphorbioides</i> var. <i>olfersii</i> (Salm-Dyck) Backeb. wfo--0001289457..... | 36 |
| <i>Neochilenia napina</i> var. <i>mitis</i> (Phil.) Backeb. ex Dölz wfo-- 0001432601..... | 121 | <i>Neodawsonia guengolensis</i> Bravo wfo--0000380035..... | 36 |
| <i>Neochilenia napina</i> var. <i>spiniosior</i> Backeb. wfo-- 0001432602..... | 121 | <i>Neodawsonia mezcalaensis</i> (Bravo) Backeb. wfo-- 0001289452..... | 37 |
| <i>Neochilenia neofusca</i> Backeb. wfo--0000380000..... | 127 | <i>Neodawsonia nana</i> Bravo wfo--0001289434..... | 36 |
| <i>Neochilenia neoreichei</i> Backeb. & Y.Itô wfo--0000379998 | 122 | <i>Neodawsonia nizandensis</i> Bravo & T.MacDoug. wfo-- 0001289433..... | 37 |
| <i>Neochilenia neoreichei</i> Backeb. wfo--0000379999..... | 122 | <i>Neodawsonia totalapensis</i> Bravo & T.MacDoug. wfo-- 0001289436..... | 38 |
| <i>Neochilenia nigricans</i> (Linke) Y.Itô wfo--0000379997... 113 | 113 | <i>Neodiscocactus boliviensis</i> (Backeb.) Y.Itô wfo-- 0000380066..... | 80 |
| <i>Neochilenia nigriscoparia</i> Backeb. wfo--0000379988... 115 | 115 | <i>Neodiscocactus hartmannii</i> (K.Schum.) Y.Itô wfo-- 0000380062..... | 81 |
| <i>Neochilenia occulta</i> (Phil.) Backeb. wfo--0000379994.. 118 | 118 | <i>Neodiscocactus heptacanthus</i> (Barb.Rodr.) Y.Itô wfo-- 0000380064..... | 81 |
| <i>Neochilenia odieri</i> (Lem.) Backeb. wfo--0000380002... 122 | 122 | <i>Neodiscocactus</i> Y.Itô wfo--4000025670..... | 80 |
| <i>Neochilenia odoriflora</i> (F.Ritter) Backeb. wfo-- 0000379992..... | 116 | <i>Neoevansia diguetii</i> (F.A.C.Weber) W.T.Marshall wfo-- 0001289581..... | 303 |
| <i>Neochilenia paucicostata</i> (F.Ritter) Backeb. wfo-- 0000379991..... | 122 | <i>Neoevansia haackeana</i> (Backeb.) Sánchez-Mej. wfo-- 0001432608..... | 5 |
| <i>Neochilenia paucicostata</i> var. <i>viridis</i> (F.Ritter) Backeb. wfo-- --0001432603..... | 123 | <i>Neoevansia haackiana</i> (Backeb.) Sánchez-Mej. wfo-- 0000380063..... | 5 |
| <i>Neochilenia pilispina</i> (F.Ritter) Backeb. wfo--0000379990 | 114 | <i>Neoevansia lazaro-cardenasii</i> J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo wfo--0001289775..... | 303 |
| <i>Neochilenia pseudoreichei</i> Lembcke & Backeb. wfo-- 0000379989..... | 122 | <i>Neoevansia lazarcardenasii</i> J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo wfo--0001434898..... | 303 |
| <i>Neochilenia pulchella</i> Backeb. wfo--0000380008..... | 420 | <i>Neoevansia striata</i> (K.Brandegee) Sánchez-Mej. wfo-- 0001289582..... | 303 |
| <i>Neochilenia pygmaea</i> (F.Ritter) Backeb. wfo--0000379993 | 127 | <i>Neoevansia</i> W.T.Marshall wfo--4000025682..... | 303 |
| <i>Neochilenia recondita</i> (F.Ritter) Backeb. wfo--0000379996 | 123 | | |
| <i>Neochilenia reichei</i> (K.Schum.) Backeb. wfo--0000380017 | 122 | | |
| <i>Neochilenia residua</i> (F.Ritter & Buining) Backeb. wfo-- 0000380016..... | 123 | | |
| <i>Neochilenia robusta</i> (F.Ritter) Backeb. wfo--0000380015 | 116 | | |

| | | | |
|--|----------|--|-----|
| <i>Neoevansia zopilotensis</i> (J.Meyrán) Sánchez-Mej. wfo-- 0001289930..... | 303 | <i>Neolloydia grandiflora</i> var. <i>robusta</i> Říha wfo--0001432619 | 50 |
| <i>Neogomesia agavoides</i> Castañeda wfo--0001288607..... | 9 | <i>Neolloydia horripila</i> (Lem.) Britton & Rose wfo-- 0001257648..... | 172 |
| <i>Neogomesia</i> Castañeda wfo--4000025695..... | 9 | <i>Neolloydia inexpectata</i> D.Donati wfo--0001432620..... | 407 |
| <i>Neogriseocereus fimbriatus</i> (Lam.) Guiggi wfo-- 0001432609..... | 355, 357 | <i>Neolloydia intertexta</i> (Engelm.) L.D.Benson wfo-- 0001287110..... | 337 |
| <i>Neogriseocereus fricii</i> (Sánchez-Mej.) Guiggi wfo-- 0001432610..... | 356 | <i>Neolloydia intertexta</i> var. <i>dasyacantha</i> (Engelm.) L.D.Benson wfo--0001287111..... | 337 |
| <i>Neogriseocereus griseus</i> (Haw.) Guiggi wfo--0001432611 | 356 | <i>Neolloydia johnsonii</i> (Parry ex Engelm.) L.D.Benson wfo-- 0001286988..... | 337 |
| <i>Neogriseocereus</i> Guiggi wfo--4000042516..... | 355 | <i>Neolloydia knuthiana</i> (Boed.) F.M.Knuth wfo-- 0001286377..... | 372 |
| <i>Neogriseocereus pruinosus</i> (Otto ex Pfeiff.) Guiggi wfo-- 0001432612..... | 358 | <i>Neolloydia knuthiana</i> var. <i>ysabelae</i> (Schlange) A.T.Powell wfo--0001286385..... | 376 |
| <i>Neogymantha neocummingii</i> Y.Itô wfo--0000380072 | 420 | <i>Neolloydia krainziana</i> (Gerhart Frank) A.T.Powell wfo-- 0001286361..... | 172 |
| <i>Neogymantha</i> Y.Itô wfo--4000025702..... | 321 | <i>Neolloydia laui</i> (Glass & R.A.Foster) E.F.Anderson wfo-- 0000380060..... | 372 |
| <i>Neohickenia</i> Frič wfo--4000042553..... | 279 | <i>Neolloydia lophophoroides</i> (Werderm.) E.F.Anderson wfo-- -0000380059..... | 372 |
| <i>Neolemaireocereus aragonii</i> (F.A.C.Weber) Backeb. wfo-- 0000382541..... | 238 | <i>Neolloydia macdowellii</i> (Rebut ex Quehl) H.E.Moore wfo-- 0001432621..... | 367 |
| <i>Neolemaireocereus</i> Backeb. wfo--4000025737..... | 355 | <i>Neolloydia mandragora</i> (Frič ex A.Berger) E.F.Anderson wfo--0000380058..... | 320 |
| <i>Neolemaireocereus griseus</i> (Haw.) Backeb. wfo-- 0000382534..... | 356 | <i>Neolloydia mariposensis</i> (Hester) L.D.Benson wfo-- 0001287112..... | 338 |
| <i>Neolemaireocereus stellatus</i> (Pfeiff.) Backeb. wfo-- 0000380070..... | 355, 358 | <i>Neolloydia matehualensis</i> Backeb. wfo--0001255950... 50, 61 | |
| <i>Neolemaireocereus thurberi</i> (Engelm.) Backeb. wfo-- 0000380069..... | 359 | <i>Neolloydia mcdowellii</i> (Rebut ex Quehl) H.E.Moore wfo-- 0000380057..... | 367 |
| <i>Neolloydia beguinii</i> (F.A.C.Weber ex K.Schum.) Britton & Rose wfo--0001234692..... | 337 | <i>Neolloydia odonta</i> (Boed.) Backeb. wfo--0000380056... 69 | |
| <i>Neolloydia booleana</i> (G.S.Hinton) Doweld wfo-- 0000380073..... | 320 | <i>Neolloydia odorata</i> (Boed.) Backeb. wfo--0001286437... 69 | |
| <i>Neolloydia</i> Britton & Rose wfo--4000025751..... | 48 | <i>Neolloydia orcuttii</i> Rose ex Orcutt wfo--0001289963... 131 | |
| <i>Neolloydia ceratites</i> (Quehl) Britton & Rose wfo-- 0001257650..... | 50 | <i>Neolloydia pailana</i> (Halda & Panar.) Doweld wfo-- 0001286352..... | 320 |
| <i>Neolloydia clavata</i> (Scheidw.) Britton & Rose wfo-- 0001257646..... | 61 | <i>Neolloydia pilispina</i> (J.A.Purpus) Britton & Rose wfo-- 0001257645..... | 226 |
| <i>Neolloydia conoidea</i> (DC.) Britton & Rose wfo-- 0001287106..... | 48, 50 | <i>Neolloydia pseudomacrolele</i> (Backeb.) E.F.Anderson wfo-- -0000380055..... | 172 |
| <i>Neolloydia conoidea</i> var. <i>ceratites</i> (Quehl) Kladiwa & Fittkau wfo--0001432613..... | 50 | <i>Neolloydia pseudopectinata</i> (Backeb.) E.F.Anderson wfo-- 0000380117..... | 372 |
| <i>Neolloydia conoidea</i> var. <i>conoidea</i> wfo--0001262061... 50 | | <i>Neolloydia pulleineana</i> Backeb. wfo--0001255759..... 67 | |
| <i>Neolloydia conoidea</i> var. <i>depressa</i> Frič wfo--0001432614 | 50 | <i>Neolloydia roseana</i> (Boed.) F.M.Knuth wfo--0001286279 6 | |
| <i>Neolloydia conoidea</i> var. <i>grandiflora</i> (Otto ex Pfeiff.) Kladiwa & Fittkau wfo--0001432615..... | 50 | <i>Neolloydia saueri</i> (Boed.) F.M.Knuth wfo--0001286381373 | 373 |
| <i>Neolloydia conoidea</i> var. <i>matehualensis</i> (Backeb.) Kladiwa & Fittkau wfo--0001432616..... | 50 | <i>Neolloydia schmiedickeana</i> (Boed.) E.F.Anderson wfo-- 0001286464..... | 373 |
| <i>Neolloydia conoidea</i> var. <i>texensis</i> (Britton & Rose) Kladiwa & Fittkau wfo--0001432617..... | 50 | <i>Neolloydia schmiedickeana</i> var. <i>dickinsoniae</i> (Glass & R.A.Foster) E.F.Anderson wfo--0001286356..... | 371 |
| <i>Neolloydia durangensis</i> (Runge) L.D.Benson wfo-- 0001286177..... | 339 | <i>Neolloydia schmiedickeana</i> var. <i>flaviflora</i> (Gerhart Frank & A.B.Lau) E.F.Anderson wfo--0001432622..... | 371 |
| <i>Neolloydia erectocentra</i> (J.M.Coult.) L.D.Benson wfo-- 0001287107..... | 337 | <i>Neolloydia schmiedickeana</i> var. <i>gracilis</i> (Glass & R.A.Foster) E.F.Anderson wfo--0001432623..... | 374 |
| <i>Neolloydia erectocentra</i> var. <i>acunensis</i> (W.T.Marshall) L.D.Benson wfo--0001287108..... | 338 | <i>Neolloydia schmiedickeana</i> var. <i>klinkeriana</i> (Backeb. & H.Jacobsen) E.F.Anderson wfo--0001432624..... | 374 |
| <i>Neolloydia gautii</i> L.D.Benson wfo--0001287109..... | 339 | <i>Neolloydia schmiedickeana</i> var. <i>macrochele</i> (Werderm.) E.F.Anderson wfo--0001432625..... | 374 |
| <i>Neolloydia gielsdorfiana</i> (Werderm.) F.M.Knuth wfo-- 0000380053..... | 372 | <i>Neolloydia schmiedickeana</i> var. <i>schwarzii</i> (Shurly) E.F.Anderson wfo--0001432626..... | 375 |
| <i>Neolloydia glassii</i> Doweld wfo--0001286348..... | 319 | <i>Neolloydia smithii</i> (Muehlenpf.) Kladiwa & Fittkau wfo-- 0000380193..... | 365 |
| <i>Neolloydia glassii</i> subsp. <i>hintoniorum</i> (A.Hofer) Doweld wfo--0001432618..... | 319 | | |
| <i>Neolloydia grandiflora</i> (Otto) F.M.Knuth wfo-- 0000380052..... | 50 | | |

| | | | |
|--|-----|---|-----|
| <i>Neolloydia smithii</i> var. <i>beguinii</i> (F.A.C.Weber ex K.Schum.) Kladiwa & Fittkau wfo--0001286349 | 337 | <i>Neomammillaria acanthophlegma</i> (Lehm.) Y.Itô wfo--0001432639 | 209 |
| <i>Neolloydia stuetzlei</i> (Frič) Britton & Rose wfo--0001263441 | 413 | <i>Neomammillaria acanthophlegma</i> (Lehm.) Y.Itô wfo--0000380188 | 209 |
| <i>Neolloydia stuetzleri</i> Orcutt wfo--0000382538 | 50 | <i>Neomammillaria alamensis</i> (R.T.Craig) Y.Itô wfo--0000380190 | 53 |
| <i>Neolloydia subterranea</i> (Backeb.) H.E.Moore wfo--0000380195 | 320 | <i>Neomammillaria alba</i> (Y.Itô) Y.Itô wfo--0000380103 ... | 420 |
| <i>Neolloydia subterranea</i> subsp. <i>zaragosae</i> (Glass & R.A.Foster) Doweld wfo--0001432627 | 320 | <i>Neomammillaria albicans</i> Britton & Rose wfo--0001248238 | 48 |
| <i>Neolloydia subterranea</i> var. <i>zaragosae</i> (Glass & R.A.Foster) E.F.Anderson wfo--0001432628 | 320 | <i>Neomammillaria albilanata</i> (Backeb.) Y.Itô wfo--0000380096 | 198 |
| <i>Neolloydia texensis</i> Britton & Rose wfo--0001257651 | 50 | <i>Neomammillaria aljibensis</i> Schmolli & Y.Itô wfo--0000380105 | 420 |
| <i>Neolloydia unguispina</i> (Engelm.) L.D.Benson wfo--0001286182 | 339 | <i>Neomammillaria amoena</i> (Hoppfer ex Salm-Dyck) Britton & Rose wfo--0001257809 | 205 |
| <i>Neolloydia valdeziana</i> (H.Moeller) E.F.Anderson wfo--0000380199 | 375 | <i>Neomammillaria applanata</i> (Engelm.) Britton & Rose wfo--0001257714 | 213 |
| <i>Neolloydia viereckii</i> (Werderm.) F.M.Knuth wfo--0000380198 | 375 | <i>Neomammillaria arida</i> (Rose ex Quehl) Britton & Rose wfo--0001257700 | 225 |
| <i>Neolloydia viereckii</i> var. <i>major</i> (Glass & R.A.Foster) E.F.Anderson wfo--0001432629 | 376 | <i>Neomammillaria armillata</i> (K.Brandege) Britton & Rose wfo--0001257876 | 49 |
| <i>Neolloydia warnockii</i> L.D.Benson wfo--0001287113 | 339 | <i>Neomammillaria aureiceps</i> (Lem.) Britton & Rose wfo--0001257805 | 230 |
| <i>Neolloydia zaragosae</i> (Glass & R.A.Foster) Doweld wfo--0000380197 | 320 | <i>Neomammillaria aureilanata</i> (Backeb.) Y.Itô wfo--0000380104 | 198 |
| <i>Neolobivia xnakaii</i> var. <i>albiflora</i> Y.Itô wfo--0001432630 | 420 | <i>Neomammillaria aurihamata</i> (Boed.) Y.Itô wfo--0000380107 | 204 |
| <i>Neolobivia xnakaii</i> var. <i>albobocinnabarina</i> Y.Itô wfo--0001432631 | 420 | <i>Neomammillaria barbata</i> (Engelm.) Britton & Rose wfo--0001257851 | 49 |
| <i>Neolobivia xnakaii</i> var. <i>atrorosiflora</i> Y.Itô wfo--0001432632 | 420 | <i>Neomammillaria baxteriana</i> H.E.Gates wfo--0001248213 | 225 |
| <i>Neolobivia xnakaii</i> var. <i>atrorubriflora</i> Y.Itô wfo--0001432633 | 420 | <i>Neomammillaria bella</i> (Backeb.) Y.Itô wfo--0000380101 | 224 |
| <i>Neolobivia xnakaii</i> var. <i>rosiflora</i> Y.Itô wfo--0001432634 | 420 | <i>Neomammillaria bicolor</i> (Lehm.) Y.Itô wfo--0000380100 | 209 |
| <i>Neolobivia xnakaii</i> Y.Itô wfo--0000380181 | 420 | <i>Neomammillaria bicolor</i> var. <i>nivea</i> Y.Itô wfo--0001432640 | 210 |
| <i>Neolobivia xsegawae</i> var. <i>albiroseiflora</i> Y.Itô wfo--0001432635 | 420 | <i>Neomammillaria blossfeldiana</i> (Boed.) H.E.Gates wfo--0000380067 | 49 |
| <i>Neolobivia xsegawae</i> var. <i>roseiflora</i> Y.Itô wfo--0001432636 | 420 | <i>Neomammillaria bocasana</i> (Poselg.) Britton & Rose wfo--0001257860 | 199 |
| <i>Neolobivia xsegawae</i> var. <i>rubriviolaciflora</i> Y.Itô wfo--0001432637 | 420 | <i>Neomammillaria bocasana</i> var. <i>sericata</i> (Lem.) Y.Itô wfo--0001432641 | 219 |
| <i>Neolobivia xsegawae</i> Y.Itô wfo--0001289151 | 420 | <i>Neomammillaria bocasana</i> var. <i>splendens</i> (Lem.) Y.Itô wfo--0001432642 | 200 |
| <i>Neolobivia xxiphacantha</i> Y.Itô wfo--0001432638 | 420 | <i>Neomammillaria boedekeriana</i> (Quehl) Britton & Rose wfo--0001257873 | 203 |
| <i>Neolobivia divaricata</i> F.Ritter wfo--0001287807 | 182 | <i>Neomammillaria bombycina</i> (Quehl) Britton & Rose wfo--0001257880 | 200 |
| <i>Neolobivia echinata</i> (Rausch) F.Ritter wfo--0001287809 | 185 | <i>Neomammillaria brandegeei</i> (J.M.Coult.) Britton & Rose wfo--0001288721 | 200 |
| <i>Neolobivia hertrichiana</i> (Backeb.) F.Ritter wfo--0001287800 | 185 | <i>Neomammillaria brandegeei</i> var. <i>gabbii</i> (R.T.Craig) Y.Itô wfo--0001432643 | 200 |
| <i>Neolobivia incaica</i> (Backeb.) F.Ritter wfo--0001287801 | 185 | <i>Neomammillaria brandegeei</i> var. <i>magdalensis</i> (Werderm.) Y.Itô wfo--0001432644 | 200 |
| <i>Neolobivia kratochviliana</i> (Backeb.) Y.Itô wfo--0000380182 | 181 | <i>Neomammillaria brauneana</i> (Boed.) Y.Itô wfo--0000380191 | 215 |
| <i>Neolobivia minuta</i> (F.Ritter) F.Ritter wfo--0001287804 | 185 | <i>Neomammillaria bravoae</i> (R.T.Craig) Y.Itô wfo--0000380183 | 212 |
| <i>Neolobivia prolifera</i> F.Ritter wfo--0001287802 | 185 | <i>Neomammillaria</i> Britton & Rose wfo--4000025760 | 197 |
| <i>Neolobivia ritteri</i> (Wessner) Y.Itô wfo--0000380178 | 420 | <i>Neomammillaria bucareliensis</i> Tiegel ex W.T.Neale wfo--0000380189 | 420 |
| <i>Neolobivia vilcabambae</i> (F.Ritter) F.Ritter wfo--0001287806 | 185 | | |
| <i>Neolobivia winteriana</i> (F.Ritter) F.Ritter wfo--0001287799 | 182 | | |
| <i>Neolobivia wrightiana</i> (Backeb.) Y.Itô wfo--0001287797 | 182 | | |
| <i>Neolobivia xiphacantha</i> Y.Itô wfo--0001289152 | 420 | | |
| <i>Neolobivia</i> Y.Itô wfo--4000025752 | 181 | | |

| | |
|---|---|
| <i>Neomammillaria bullardiana</i> H.E.Gates wfo--0001261251 49 | <i>Neomammillaria konzattii</i> Britton & Rose wfo-- 0001257781 215 |
| <i>Neomammillaria cadereytensis</i> (R.T.Craig) Y.Itô wfo-- 0000380187 225 | <i>Neomammillaria cowperae</i> (Shurly) Y.Itô wfo-- 0000380207 222 |
| <i>Neomammillaria cadereytensis</i> var. <i>quadrispina</i> (R.T.Craig) Y.Itô wfo--0001432645 225 | <i>Neomammillaria crocidata</i> (Lem.) Britton & Rose wfo-- 0001257731 226 |
| <i>Neomammillaria calacantha</i> (Tiegel) Y.Itô wfo-- 0000380186 231 | <i>Neomammillaria dawsonii</i> Houghton wfo--0001289965 200 |
| <i>Neomammillaria calacantha</i> var. <i>rubra</i> (W.T.Neale) Y.Itô wfo--0001432646 231 | <i>Neomammillaria dealbata</i> (A.Dietr.) Britton & Rose wfo-- 0001257798 211 |
| <i>Neomammillaria campotricha</i> (Dams) Britton & Rose wfo-- --0001240018 205 | <i>Neomammillaria decipiens</i> (Scheidw.) Britton & Rose wfo-- -0001257831 204 |
| <i>Neomammillaria candida</i> (Scheidw.) Britton & Rose wfo-- 0001257827 201 | <i>Neomammillaria densispina</i> (J.M.Coult.) Britton & Rose wfo--0001288757 205 |
| <i>Neomammillaria candida</i> var. <i>rosea</i> (Salm-Dyck) Y.Itô wfo-- --0001432647 201 | <i>Neomammillaria denudata</i> (Engelm.) Britton & Rose wfo-- 0001257825 216 |
| <i>Neomammillaria canelensis</i> (R.T.Craig) Y.Itô wfo-- 0000380215 235 | <i>Neomammillaria dioica</i> (K.Brandege) Britton & Rose wfo-- --0001257877 50 |
| <i>Neomammillaria capensis</i> H.E.Gates wfo--0001248220 . 49 | <i>Neomammillaria discolor</i> (Haw.) Britton & Rose wfo-- 0001257832 205 |
| <i>Neomammillaria carnea</i> (Zucc. ex Pfeiff.) Britton & Rose wfo--0001257733 201 | <i>Neomammillaria dolichocentra</i> (Lem.) Tiegel wfo-- 0000380203 227 |
| <i>Neomammillaria carnea</i> var. <i>cirrosa</i> (Gürke) Y.Itô wfo-- 0001432648 201 | <i>Neomammillaria donatii</i> (Berge ex K.Schum.) Britton & Rose wfo--0001257800 212 |
| <i>Neomammillaria carretii</i> (Rebut ex K.Schum.) Britton & Rose wfo--0001257879 202 | <i>Neomammillaria dumetorum</i> (J.A.Purpus) Y.Itô wfo-- 0000380202 232 |
| <i>Neomammillaria celsiana</i> (Lem.) Britton & Rose wfo-- 0001257804 222 | <i>Neomammillaria durispina</i> (Boed.) Y.Itô wfo--0000380201 227 |
| <i>Neomammillaria centricirra</i> (Lem.) Y.Itô wfo-- 0000380218 218 | <i>Neomammillaria echinaria</i> (DC.) Britton & Rose wfo-- 0001257837 207 |
| <i>Neomammillaria centricirra</i> var. <i>bockii</i> (C.F.Först.) Y.Itô wfo--0001432649 219 | <i>Neomammillaria echinops</i> (Scheidw.) Fosberg wfo-- 0000380211 227 |
| <i>Neomammillaria centricirra</i> var. <i>divergens</i> (DC.) Y.Itô wfo--0001432650 218 | <i>Neomammillaria egregia</i> (Backeb.) Y.Itô wfo--0000380206 216 |
| <i>Neomammillaria centricirra</i> var. <i>inermis</i> (Y.Itô) Y.Itô wfo-- -0001432651 220 | <i>Neomammillaria eichlamii</i> (Quehl) Britton & Rose wfo-- 0000380214 206 |
| <i>Neomammillaria centricirra</i> var. <i>krameri</i> (Muehlenpf.) Y.Itô wfo--0001432652 219 | <i>Neomammillaria elegans</i> (DC.) Britton & Rose wfo-- 0001257795 209 |
| <i>Neomammillaria centricirra</i> var. <i>neumanniana</i> (Lem.) Y.Itô wfo--0001432653 219 | <i>Neomammillaria elongata</i> (DC.) Britton & Rose wfo-- 0001257835 206 |
| <i>Neomammillaria centricirra</i> var. <i>recurva</i> (Lehm. ex Pfeiff.) Y.Itô wfo--0001432654 218 | <i>Neomammillaria eriacantha</i> (Link & Otto ex Pfeiff.) Britton & Rose wfo--0000380213 207 |
| <i>Neomammillaria cerralboa</i> Britton & Rose wfo-- 0001248234 49 | <i>Neomammillaria erythrosperma</i> (Boed.) Y.Itô wfo-- 0000380212 207 |
| <i>Neomammillaria chiocephala</i> (J.A.Purpus) Britton & Rose wfo--0001257775 208 | <i>Neomammillaria eschaueri</i> (J.M.Coult.) Britton & Rose wfo--0001263443 199 |
| <i>Neomammillaria chionocephala</i> (J.A.Purpus) Britton & Rose wfo--0001432655 208 | <i>Neomammillaria eschaueri</i> (J.M.Coult.) Britton & Rose wfo--0001432658 199 |
| <i>Neomammillaria collina</i> (J.A.Purpus) Britton & Rose wfo-- 0001265750 212 | <i>Neomammillaria euthele</i> (Backeb. & Y.Itô) Y.Itô wfo-- 0000380210 420 |
| <i>Neomammillaria collinsii</i> Britton & Rose wfo--0001247811 215 | <i>Neomammillaria evermanniana</i> Britton & Rose wfo-- 0001248215 208 |
| <i>Neomammillaria columbiana</i> (Salm-Dyck) Y.Itô wfo-- 0000380221 202 | <i>Neomammillaria fasciculata</i> (Engelm.) Britton & Rose wfo-- --0000380209 92 |
| <i>Neomammillaria compressa</i> (DC.) Britton & Rose wfo-- 0001257737 202 | <i>Neomammillaria fertilis</i> (Hildm. ex K.Schum.) Britton & Rose wfo--0001257830 199 |
| <i>Neomammillaria confusa</i> Britton & Rose wfo-- 0001257778 215 | <i>Neomammillaria flavovirens</i> (Salm-Dyck) Britton & Rose wfo--0001257726 219 |
| <i>Neomammillaria confusa</i> var. <i>centrispina</i> (R.T.Craig) Y.Itô wfo--0001432656 215 | <i>Neomammillaria formosa</i> (Galeotti ex Scheidw.) Britton & Rose wfo--0001257736 208 |
| <i>Neomammillaria confusa</i> var. <i>robustispina</i> (R.T.Craig) Y.Itô wfo--0001432657 215 | <i>Neomammillaria fragilis</i> (Salm-Dyck) Britton & Rose wfo-- 0001257833 236 |
| <i>Neomammillaria conspicua</i> Bravo wfo--0000380204 ... 420 | |

| | | | |
|---|-----|--|-----|
| <i>Neomammillaria fraileana</i> Britton & Rose wfo--- 0001255844..... | 50 | <i>Neomammillaria jaliscana</i> Britton & Rose wfo--- 0001256222..... | 214 |
| <i>Neomammillaria fuauxiana</i> (Backeb.) Y.Itô wfo--- 0000380223..... | 198 | <i>Neomammillaria johnstonii</i> Britton & Rose wfo--- 0001256225..... | 214 |
| <i>Neomammillaria fuscata</i> (Pfeiff.) Y.Itô wfo---0000380185 | 231 | <i>Neomammillaria johnstonii</i> var. <i>sancarlensis</i> (R.T.Craig) Y.Itô wfo---0001432663..... | 214 |
| <i>Neomammillaria galeottii</i> (Scheidw.) Britton & Rose wfo--- 0000380137..... | 227 | <i>Neomammillaria karwinskiana</i> (Mart.) Britton & Rose wfo- --0001257740..... | 214 |
| <i>Neomammillaria gatesii</i> (M.E.Jones) Y.Itô wfo--- 0000380136..... | 225 | <i>Neomammillaria kewensis</i> (Salm-Dyck) Britton & Rose wfo- --0001257789..... | 227 |
| <i>Neomammillaria gaumeri</i> Britton & Rose wfo--- 0001247808..... | 213 | <i>Neomammillaria kleinii</i> (Regel) Y.Itô wfo---0000380134420 <i>Neomammillaria klissingiana</i> (Boed.) Y.Itô wfo--- 0000380122..... | 215 |
| <i>Neomammillaria geminispina</i> (Haw.) Britton & Rose wfo--- 0001257743..... | 209 | <i>Neomammillaria kunzeana</i> (Boed. & Quehl) Britton & Rose wfo---0001257853..... | 199 |
| <i>Neomammillaria gigantea</i> (Hildm. ex K.Schum.) Britton & Rose wfo---0001257725..... | 210 | <i>Neomammillaria lanata</i> Britton & Rose wfo---0001257784 | 236 |
| <i>Neomammillaria glochidiata</i> (Mart.) Britton & Rose wfo--- 0001257865..... | 211 | <i>Neomammillaria lapacena</i> H.E.Gates wfo---000038012149 <i>Neomammillaria lasiacantha</i> (Engelm.) Britton & Rose wfo---0001257824..... | 216 |
| <i>Neomammillaria goodridgei</i> (Scheer) Britton & Rose wfo--- 0001265820..... | 420 | <i>Neomammillaria lenta</i> (K.Brandege) Britton & Rose wfo--- 0001257826..... | 217 |
| <i>Neomammillaria graessneriana</i> (Boed.) Britton & Rose wfo---0001257807..... | 202 | <i>Neomammillaria leucocentra</i> (Kuntze) Y.Itô wfo--- 0000380116..... | 420 |
| <i>Neomammillaria guerreronis</i> Bravo wfo---0001256145. 211 <i>Neomammillaria guerreronis</i> var. <i>subhamata</i> (R.T.Craig) Y.Itô wfo---0001432659..... | 211 | <i>Neomammillaria lewisiana</i> (H.E.Gates) Y.Itô wfo--- 0000380119..... | 200 |
| <i>Neomammillaria gummifera</i> (Engelm.) Britton & Rose wfo- --0001257701..... | 213 | <i>Neomammillaria lloydii</i> Britton & Rose wfo---0001256251 | 405 |
| <i>Neomammillaria haageana</i> (Pfeiff.) Britton & Rose wfo--- 0001247806..... | 211 | <i>Neomammillaria longicoma</i> Britton & Rose wfo--- 0001257859..... | 199 |
| <i>Neomammillaria hahniana</i> (Werderm.) Y.Itô wfo--- 0000380132..... | 212 | <i>Neomammillaria longicoma</i> var. <i>flavispina</i> (Y.Itô) Y.Itô wfo---0001432664..... | 200 |
| <i>Neomammillaria hahniana</i> var. <i>werdermanniana</i> (F.Schmoll ex R.T.Craig) Y.Itô wfo---0001432660..... | 212 | <i>Neomammillaria longicoma</i> var. <i>multiflora</i> (Y.Itô) Y.Itô wfo---0001432665..... | 200 |
| <i>Neomammillaria halbingeri</i> (Boed.) Y.Itô wfo--- 0000380141..... | 212 | <i>Neomammillaria longiflora</i> Britton & Rose wfo--- 0001256253..... | 217 |
| <i>Neomammillaria hamata</i> (Lehm.) Britton & Rose wfo--- 0001257844..... | 404 | <i>Neomammillaria longimamma</i> (DC.) Fosberg wfo--- 0000380125..... | 217 |
| <i>Neomammillaria hamiltonhoytea</i> Bravo wfo---0001432661 | 210 | <i>Neomammillaria louisae</i> (G.E.Linds.) Y.Itô wfo--- 0000380118..... | 51 |
| <i>Neomammillaria hamiltonhoytiae</i> Bravo wfo--- 0000380135..... | 210 | <i>Neomammillaria macdougalii</i> (Rose) Britton & Rose wfo--- 0001257702..... | 213 |
| <i>Neomammillaria hemisphaerica</i> (Engelm.) Britton & Rose wfo---0000380146..... | 213 | <i>Neomammillaria macracantha</i> (DC.) Britton & Rose wfo--- 0001257718..... | 218 |
| <i>Neomammillaria herrerae</i> (Werderm.) Y.Itô wfo--- 0000380145..... | 212 | <i>Neomammillaria macromastos</i> (Y.Itô) Y.Itô wfo--- 0000380130..... | 420 |
| <i>Neomammillaria herrerae</i> var. <i>albiflora</i> (Werderm.) Y.Itô wfo---0001432662..... | 198 | <i>Neomammillaria magallanii</i> (Schmoll ex R.T.Craig) Y.Itô wfo---0000380129..... | 216 |
| <i>Neomammillaria heyderi</i> (Muehlenpf.) Britton & Rose wfo- --0001257710..... | 212 | <i>Neomammillaria magnimamma</i> (Haw.) Britton & Rose wfo---0001257717..... | 218 |
| <i>Neomammillaria hidalgensis</i> (J.A.Purpus) Y.Itô wfo--- 0000380144..... | 227 | <i>Neomammillaria mainiae</i> (K.Brandege) Britton & Rose wfo---0001257872..... | 52 |
| <i>Neomammillaria hirsuta</i> (Boed.) Britton & Rose wfo--- 0001257855..... | 199 | <i>Neomammillaria mammillaris</i> (L.) Britton & Rose wfo--- 0001288854..... | 220 |
| <i>Neomammillaria hoffmanniana</i> Tiegel wfo---0000380142 | 227 | <i>Neomammillaria marksiana</i> (Krainz) Y.Itô wfo--- 0000380123..... | 221 |
| <i>Neomammillaria hutchisoniana</i> H.E.Gates wfo--- 0001248228..... | 51 | <i>Neomammillaria marshalliana</i> H.E.Gates wfo--- 0000380126..... | 225 |
| <i>Neomammillaria inaiiae</i> (R.T.Craig) Y.Itô wfo---0000380140 | 53 | <i>Neomammillaria martinezii</i> (Backeb.) Y.Itô wfo--- 0000380131..... | 236 |
| <i>Neomammillaria insularis</i> (H.E.Gates) Y.Itô wfo--- 0000380139..... | 51 | <i>Neomammillaria mazatlanensis</i> (K.Schum.) Britton & Rose wfo---0001257839..... | 221 |

| | | | |
|---|-----|---|-----|
| <i>Neomammillaria meiacantha</i> (Engelm.) Britton & Rose wfo--0001257724 | 213 | <i>Neomammillaria neoelegans</i> var. <i>nigrispina</i> (Borg) Y.Itô wfo--0001432674 | 210 |
| <i>Neomammillaria melanocentra</i> (F.A.C.Weber) Britton & Rose wfo--0001257719 | 66 | <i>Neomammillaria neoelegans</i> var. <i>schmollii</i> (R.T.Craig) Y.Itô wfo--0001432675 | 212 |
| <i>Neomammillaria mendeliana</i> Bravo wfo--0001256205 | 212 | <i>Neomammillaria neoelegans</i> Y.Itô wfo--0000380173 .. | 420 |
| <i>Neomammillaria mercadensis</i> (Paton) Britton & Rose wfo-- --0001257852 | 222 | <i>Neomammillaria neoformosa</i> Y.Itô wfo--0000380171 .. | 420 |
| <i>Neomammillaria microcarpa</i> (Engelm.) Britton & Rose wfo-- --0001257875 | 51 | <i>Neomammillaria neohumboldtii</i> Y.Itô wfo--0000380169 | 420 |
| <i>Neomammillaria microhelia</i> (Werderm.) Y.Itô wfo-- 0000380177 | 222 | <i>Neomammillaria neomystax</i> (Backeb.) Y.Itô wfo-- 0000380168 | 215 |
| <i>Neomammillaria microhelia</i> var. <i>microheliopsis</i> (Werderm.) Y.Itô wfo--0001432666 | 222 | <i>Neomammillaria neomystax</i> var. <i>rhodacantha</i> (Y.Itô) Y.Itô wfo--0001432676 | 215 |
| <i>Neomammillaria milleri</i> Britton & Rose wfo--0001289673 | 51 | <i>Neomammillaria neopalmeri</i> (R.T.Craig) Y.Itô wfo-- 0000380160 | 52 |
| <i>Neomammillaria minuta</i> Bartlett ex Beard wfo-- 0000380167 | 420 | <i>Neomammillaria neotetracantha</i> (Y.Itô) Y.Itô wfo-- 0000380149 | 420 |
| <i>Neomammillaria missouriensis</i> (Sweet) Britton & Rose ex Rydb. wfo--0001268638 | 130 | <i>Neomammillaria nivosa</i> (Link ex Pfeiff.) Britton & Rose wfo--0001257698 | 223 |
| <i>Neomammillaria moelleriana</i> (Boed.) Britton & Rose wfo-- 0001263444 | 222 | <i>Neomammillaria nunezii</i> Britton & Rose wfo--0001256319 | 223 |
| <i>Neomammillaria mollendorffiana</i> (Shurly) Y.Itô wfo-- 0000380166 | 231 | <i>Neomammillaria obconella</i> (Scheidw.) Y.Itô wfo-- 0000380152 | 227 |
| <i>Neomammillaria muehlenpfordtii</i> (C.F.Först.) Y.Itô wfo-- 0000380164 | 222 | <i>Neomammillaria obscura</i> (Hildm.) Britton & Rose wfo-- 0001257730 | 225 |
| <i>Neomammillaria muehlenpfordtii</i> var. <i>brevispina</i> (R.T.Craig) Y.Itô wfo--0001432667 | 222 | <i>Neomammillaria occidentalis</i> Britton & Rose wfo-- 0001257881 | 221 |
| <i>Neomammillaria muehlenpfordtii</i> var. <i>hexispina</i> (F.Schmoll ex R.T.Craig) Y.Itô wfo--0001432668 | 222 | <i>Neomammillaria ochoterenae</i> Bravo wfo--0001286228206 | 201 |
| <i>Neomammillaria muehlenpfordtii</i> var. <i>longispina</i> (R.T.Craig) Y.Itô wfo--0001432669 | 222 | <i>Neomammillaria oliviae</i> (Orcutt) Britton & Rose wfo-- 0001257836 | 51 |
| <i>Neomammillaria multiceps</i> (Salm-Dyck) Britton & Rose wfo--0001257813 | 228 | <i>Neomammillaria oraticeps</i> (Y.Itô) Y.Itô wfo--0000380150 | 420 |
| <i>Neomammillaria multidigitata</i> (Radley ex G.E.Linds.) Y.Itô wfo--0000380162 | 52 | <i>Neomammillaria orcuttii</i> (Boed.) Y.Itô wfo--0000380154 | 224 |
| <i>Neomammillaria multififormis</i> Britton & Rose wfo-- 0001257861 | 208 | <i>Neomammillaria ortegae</i> Britton & Rose wfo-- 0001257723 | 405 |
| <i>Neomammillaria multihamata</i> (Boed.) Britton & Rose wfo-- --0001257858 | 222 | <i>Neomammillaria ortiz-rubiana</i> Bravo wfo--0001286293 | 201 |
| <i>Neomammillaria mundtii</i> (K.Schum.) Britton & Rose wfo-- 0001257802 | 237 | <i>Neomammillaria ortizrubioana</i> Bravo wfo--0001432677 | 201 |
| <i>Neomammillaria mystax</i> (Mart.) Britton & Rose wfo-- 0001257738 | 223 | <i>Neomammillaria ortizrubiona</i> Bravo wfo--0000382521201 | 225 |
| <i>Neomammillaria napina</i> (J.A.Purpus) Britton & Rose wfo-- 0001257782 | 223 | <i>Neomammillaria pacifica</i> H.E.Gates wfo--0000380148 .. | 225 |
| <i>Neomammillaria nealeana</i> Schmoll ex W.T.Neale wfo-- 0000380163 | 420 | <i>Neomammillaria painteri</i> (Rose) Britton & Rose wfo-- 0001257868 | 224 |
| <i>Neomammillaria nejapensis</i> (R.T.Craig & E.Y.Dawson) Y.Itô wfo--0000380176 | 215 | <i>Neomammillaria palmeri</i> (J.M.Coult.) Britton & Rose wfo-- 0001288894 | 52 |
| <i>Neomammillaria nejapensis</i> var. <i>aureispina</i> Y.Itô wfo-- 0001432670 | 215 | <i>Neomammillaria parkinsonii</i> (Ehrenb.) Britton & Rose wfo-- --0001257742 | 224 |
| <i>Neomammillaria nejapensis</i> var. <i>brevispina</i> (R.T.Craig & E.Y.Dawson) Y.Itô wfo--0001432671 | 215 | <i>Neomammillaria parkinsonii</i> var. <i>brevispina</i> (R.T.Craig) Y.Itô wfo--0001432678 | 224 |
| <i>Neomammillaria nejapensis</i> var. <i>elegans</i> Y.Itô wfo-- 0001432672 | 215 | <i>Neomammillaria parvimamma</i> (Haw.) Y.Itô wfo-- 0000380151 | 221 |
| <i>Neomammillaria nejapensis</i> var. <i>longispina</i> (R.T.Craig & E.Y.Dawson) Y.Itô wfo--0001432673 | 215 | <i>Neomammillaria patonii</i> Bravo wfo--0001256261 | 221 |
| <i>Neomammillaria nelsonii</i> Britton & Rose wfo-- 0001257882 | 199 | <i>Neomammillaria pectinata</i> (Stein) Fosberg wfo-- 0000380159 | 224 |
| <i>Neomammillaria neoconspicua</i> Y.Itô wfo--0000380179420 | 235 | <i>Neomammillaria peninsularis</i> Britton & Rose wfo-- 0001248209 | 224 |
| <i>Neomammillaria neocoronaria</i> (F.M.Knuth) Y.Itô wfo-- 0000380172 | 235 | <i>Neomammillaria pennispinosa</i> (Krainz) Y.Itô wfo-- 0000378779 | 224 |
| | | <i>Neomammillaria perbella</i> (Hildm. ex K.Schum.) Britton & Rose wfo--0001257799 | 225 |
| | | <i>Neomammillaria petrophila</i> (K.Brandege) Britton & Rose wfo--0001257699 | 225 |

| | | | |
|---|-----|--|-----|
| <i>Neomammillaria petterssonii</i> (Hildm.) Britton & Rose wfo--0001257739 | 225 | <i>Neomammillaria rekoii</i> Britton & Rose wfo--0001257845 | 229 |
| <i>Neomammillaria phaeacantha</i> (Lem.) Britton & Rose wfo--0001257806 | 230 | <i>Neomammillaria rettigiana</i> (Boed.) Y.Itô wfo--0000378830 | 229 |
| <i>Neomammillaria phitauiana</i> E.M.Baxter wfo--0001256330 | 52 | <i>Neomammillaria rhodantha</i> (Link & Otto) Britton & Rose wfo--0001257811 | 229 |
| <i>Neomammillaria phymatothele</i> (A.Berger) Britton & Rose wfo--0001257716 | 219 | <i>Neomammillaria rhodantha</i> var. <i>rubescens</i> (Salm-Dyck) Y.Itô wfo--0001432690 | 231 |
| <i>Neomammillaria picta</i> (Meinsh.) Y.Itô wfo--0000378828 | 225 | <i>Neomammillaria ritteriana</i> (Boed.) Y.Itô wfo--0000378829 | 208 |
| <i>Neomammillaria pilensis</i> (Shurly) Y.Itô wfo--0000378825 | 225 | <i>Neomammillaria ritteriana</i> var. <i>quadricentralis</i> (R.T.Craig) Y.Itô wfo--0001432691 | 208 |
| <i>Neomammillaria pilispina</i> (J.A.Purpus) Y.Itô wfo--0000378824 | 226 | <i>Neomammillaria rosensis</i> (R.T.Craig) Y.Itô wfo--0000378811 | 224 |
| <i>Neomammillaria plumosa</i> (F.A.C.Weber) Britton & Rose wfo--0001257812 | 226 | <i>Neomammillaria roseoalba</i> (Boed.) Y.Itô wfo--0000378822 | 231 |
| <i>Neomammillaria polycentra</i> (A.Berg) Y.Itô wfo--0000378823 | 233 | <i>Neomammillaria rubida</i> (Fritz Schwarz) Y.Itô wfo--0000378815 | 200 |
| <i>Neomammillaria polycentra</i> var. <i>auricoma</i> (Gürke) Y.Itô wfo--0001432679 | 234 | <i>Neomammillaria ruestii</i> (Quehl) Britton & Rose wfo--0000378814 | 202 |
| <i>Neomammillaria polycentra</i> var. <i>aurea</i> (A.Dietr.) Y.Itô wfo--0001432680 | 233 | <i>Neomammillaria runyonii</i> Britton & Rose wfo--0001257720 | 65 |
| <i>Neomammillaria polycentra</i> var. <i>brunnea</i> (Salm-Dyck) Y.Itô wfo--0001432681 | 234 | <i>Neomammillaria saetigera</i> (Boed. & Tiegel) Y.Itô wfo--0000378813 | 212 |
| <i>Neomammillaria polycentra</i> var. <i>flavida</i> (Salm-Dyck) Y.Itô wfo--0001432682 | 234 | <i>Neomammillaria saffordii</i> Britton & Rose wfo--0001257863 | 202 |
| <i>Neomammillaria polycentra</i> var. <i>isabellina</i> (Gürke) Y.Itô wfo--0001432683 | 234 | <i>Neomammillaria sanluisensis</i> (Shurly) Y.Itô wfo--0000378809 | 226 |
| <i>Neomammillaria polycentra</i> var. <i>pretiosa</i> (Schelle) Y.Itô wfo--0001432684 | 234 | <i>Neomammillaria sartorii</i> (J.A.Purpus) Britton & Rose wfo--0001257721 | 232 |
| <i>Neomammillaria polycentra</i> var. <i>rubens</i> (Salm-Dyck) Y.Itô wfo--0001432685 | 234 | <i>Neomammillaria schansieri</i> (J.M.Coult.) Britton & Rose wfo--0001288783 | 420 |
| <i>Neomammillaria polyedra</i> (Mart.) Britton & Rose wfo--0001257780 | 226 | <i>Neomammillaria scheidweieriana</i> (Otto) Britton & Rose wfo--0001257862 | 207 |
| <i>Neomammillaria polygona</i> (Salm-Dyck) Britton & Rose wfo--0001257777 | 226 | <i>Neomammillaria schelhasei</i> (Pfeiff.) Britton & Rose wfo--0001257864 | 203 |
| <i>Neomammillaria polythele</i> (Mart.) Britton & Rose wfo--0001257732 | 226 | <i>Neomammillaria schiedeana</i> (Ehrenb.) Britton & Rose wfo--0001257823 | 232 |
| <i>Neomammillaria pottsii</i> (Scheer ex Salm-Dyck) Britton & Rose wfo--0001257838 | 227 | <i>Neomammillaria schmollii</i> Bravo wfo--0001286231 | 206 |
| <i>Neomammillaria praelii</i> (Muehlenpf.) Britton & Rose wfo--0001257741 | 214 | <i>Neomammillaria schwarzii</i> Rose ex Frič wfo--0000378810 | 202 |
| <i>Neomammillaria pringlei</i> (J.M.Coult.) Britton & Rose wfo--0001288926 | 228 | <i>Neomammillaria scrippsiana</i> Britton & Rose wfo--0001256405 | 232 |
| <i>Neomammillaria prolifera</i> (Mill.) Britton & Rose wfo--0001288930 | 228 | <i>Neomammillaria scrippsiana</i> var. <i>rooksbyana</i> (Backeb.) Y.Itô wfo--0001432692 | 232 |
| <i>Neomammillaria prolifera</i> var. <i>haitiensis</i> (K.Schum.) Y.Itô wfo--0001432686 | 228 | <i>Neomammillaria seideliana</i> (Quehl) Britton & Rose wfo--0001257850 | 204 |
| <i>Neomammillaria prolifera</i> var. <i>multiceps</i> (Salm-Dyck) Y.Itô wfo--0001432687 | 228 | <i>Neomammillaria seitziana</i> (Mart.) Britton & Rose wfo--0001257722 | 405 |
| <i>Neomammillaria prolifera</i> var. <i>texana</i> (Engelm.) Y.Itô wfo--0001432688 | 228 | <i>Neomammillaria sempervivi</i> (DC.) Britton & Rose wfo--0001257728 | 208 |
| <i>Neomammillaria pseudoperbella</i> (Quehl) Britton & Rose wfo--0001257797 | 405 | <i>Neomammillaria sempervivi</i> var. <i>caput-medusae</i> (Otto ex Pfeiff.) Y.Itô wfo--0001432693 | 208 |
| <i>Neomammillaria pygmaea</i> Britton & Rose wfo--0001257847 | 204 | <i>Neomammillaria sheldonii</i> Britton & Rose wfo--0001256407 | 53 |
| <i>Neomammillaria pyrrhocephala</i> (Scheidw.) Britton & Rose wfo--0001432689 | 214 | <i>Neomammillaria sinaloensis</i> Rose wfo--0000378819 | 221 |
| <i>Neomammillaria pyrrocephala</i> (Scheidw.) Britton & Rose wfo--0001257774 | 214 | <i>Neomammillaria slevinii</i> Britton & Rose wfo--0001257841 | 48 |
| <i>Neomammillaria radiosa</i> (Engelm.) Rydb. wfo--0000378831 | 132 | <i>Neomammillaria solisii</i> Britton & Rose wfo--0001257846 | 224 |
| | | <i>Neomammillaria sphacelata</i> (Mart.) Britton & Rose wfo--0001257840 | 233 |

| | | | |
|---|-----|--|-----|
| <i>Neomammillaria sphaerica</i> (A.Dietr.) Fosberg wfo--- 0000378820..... | 233 | <i>Neomammillaria villifera</i> (Otto) Britton & Rose wfo--- 0001257779..... | 201 |
| <i>Neomammillaria spinosissima</i> (Lem.) Britton & Rose wfo--- 0001257808..... | 233 | <i>Neomammillaria viperina</i> (J.A.Purpus) Bravo wfo--- 0000378729..... | 233 |
| <i>Neomammillaria standleyi</i> Britton & Rose wfo--- 0001256420..... | 235 | <i>Neomammillaria viridiflora</i> Britton & Rose wfo--- 0001257870..... | 54 |
| <i>Neomammillaria subangularis</i> (DC.) Y.Itô wfo--- 0000378817..... | 202 | <i>Neomammillaria voburnensis</i> (Scheer) Britton & Rose wfo--- --0001289541..... | 214 |
| <i>Neomammillaria subangularis</i> var. <i>longiseta</i> (Salm-Dyck) Y.Itô wfo---0001432694..... | 203 | <i>Neomammillaria wagneriana</i> (Boed.) Y.Itô wfo--- 0000378728..... | 237 |
| <i>Neomammillaria subangularis</i> var. <i>rubripina</i> Y.Itô wfo--- 0001432695..... | 203 | <i>Neomammillaria wilcoxii</i> (Toumey ex K.Schum.) Britton & Rose wfo---0001257871..... | 54 |
| <i>Neomammillaria subcrocea</i> (DC.) Y.Itô wfo---0000378752 | 206 | <i>Neomammillaria wildii</i> (A.Dietr.) Britton & Rose wfo--- 0001257848..... | 204 |
| <i>Neomammillaria subcrocea</i> var. <i>echinata</i> (DC.) Y.Itô wfo--- 0001432696..... | 207 | <i>Neomammillaria winterae</i> (Boed.) Y.Itô wfo---0000378727 | 237 |
| <i>Neomammillaria subdurispina</i> (Fritz Schwarz) Y.Itô wfo--- 0000378777..... | 227 | <i>Neomammillaria woburnensis</i> (Scheer) Britton & Rose wfo--- --0000378725..... | 214 |
| <i>Neomammillaria subpolyedra</i> (Salm-Dyck) Britton & Rose wfo---0001257792..... | 214 | <i>Neomammillaria woodsii</i> (R.T.Craig) Y.Itô wfo--- 0000378711..... | 212 |
| <i>Neomammillaria supertexta</i> (Mart. ex Pfeiff.) Y.Itô wfo--- 0000378723..... | 236 | <i>Neomammillaria wrightii</i> (Engelm.) Britton & Rose wfo--- 0001257869..... | 54 |
| <i>Neomammillaria swinglei</i> Britton & Rose wfo--- 0001248222..... | 53 | <i>Neomammillaria xanthina</i> Britton & Rose wfo--- 0001257887..... | 235 |
| <i>Neomammillaria tacubayensis</i> (Fedde) Britton & Rose wfo--- --0001257884..... | 216 | <i>Neomammillaria yaquensis</i> (R.T.Craig) Y.Itô wfo--- 0000378704..... | 53 |
| <i>Neomammillaria tegelbergiana</i> (H.E.Gates) Y.Itô wfo--- 0000378722..... | 198 | <i>Neomammillaria yucatanensis</i> Britton & Rose wfo--- 0000378703..... | 202 |
| <i>Neomammillaria tenampensis</i> Britton & Rose wfo--- 0001257776..... | 232 | <i>Neomammillaria zacatecasensis</i> (Shurly) Y.Itô wfo--- 0000378702..... | 214 |
| <i>Neomammillaria tenuicaulis</i> (Y.Itô) Y.Itô wfo---0000378717 | 420 | <i>Neomammillaria zeilmanniana</i> (Boed.) Y.Itô wfo--- 0000378701..... | 237 |
| <i>Neomammillaria tetracantha</i> (Salm-Dyck ex Pfeiff.) Britton & Rose wfo---0001257794..... | 227 | <i>Neomammillaria zephyranthoides</i> (Scheidw.) Britton & Rose wfo---0001257878..... | 237 |
| <i>Neomammillaria tetrancistra</i> (Engelm.) Fosberg wfo--- 0001243893..... | 53 | <i>Neomammillaria zeyeriana</i> (F.Haage ex K.Schum.) Fosberg wfo---0000378699..... | 211 |
| <i>Neomammillaria tolimensis</i> (R.T.Craig) Y.Itô wfo--- 0000378719..... | 203 | <i>Neomammillaria zuccariniana</i> (Mart.) Britton & Rose wfo--- -0001257735..... | 218 |
| <i>Neomammillaria tolimensis</i> var. <i>brevispina</i> (R.T.Craig) Y.Itô wfo---0001432697..... | 203 | <i>Neonavajoa</i> Doweld wfo---4000025784..... | 300 |
| <i>Neomammillaria tolimensis</i> var. <i>longispina</i> (R.T.Craig) Y.Itô wfo---0001432698..... | 203 | <i>Neonavajoa peeblesiana</i> (Croizat) Doweld wfo--- 0000378705..... | 301 |
| <i>Neomammillaria trichacantha</i> (K.Schum.) Britton & Rose wfo---0001257866..... | 203 | <i>Neonavajoa peeblesiana</i> subsp. <i>fickeisenii</i> (Backeb. ex Hochstätter) Doweld wfo---0001432700..... | 301 |
| <i>Neomammillaria uberiformis</i> (Zucc. ex Pfeiff.) Fosberg wfo--- --0000378718..... | 217 | <i>Neoporteria acutissima</i> (Otto & A.Dietr.) Borg wfo--- 0000378697..... | 125 |
| <i>Neomammillaria umbrina</i> (Ehrenb.) Britton & Rose wfo--- 0001257885..... | 234 | <i>Neoporteria ambigua</i> (Hildm. ex K.Schum.) Backeb. wfo--- 0000378710..... | 57 |
| <i>Neomammillaria uncinata</i> (Zucc. ex Pfeiff.) Britton & Rose wfo---0001257843..... | 236 | <i>Neoporteria andreaeana</i> (Backeb.) Donald & G.D.Rowley wfo---0000378698..... | 125 |
| <i>Neomammillaria vagaspina</i> (R.T.Craig) Y.Itô wfo--- 0000378720..... | 220 | <i>Neoporteria aricensis</i> (F.Ritter) Donald & G.D.Rowley wfo--- -0001287242..... | 123 |
| <i>Neomammillaria vaupelii</i> (Tiegel.) Y.Itô wfo---0000378732 | 212 | <i>Neoporteria aricensis</i> var. <i>floribunda</i> (Backeb.) A.E.Hoffm. wfo---0001432701..... | 119 |
| <i>Neomammillaria vaupelii</i> var. <i>flavispina</i> (W.T.Neale) Y.Itô wfo---0001432699..... | 212 | <i>Neoporteria aricensis</i> var. <i>saxifraga</i> (F.Ritter) A.E.Hoffm. wfo---0001432702..... | 123 |
| <i>Neomammillaria verhaertiana</i> (Boed.) Britton & Rose wfo--- --0001257886..... | 52 | <i>Neoporteria armata</i> (F.Ritter) Krainz wfo---0000378714113 | 113 |
| <i>Neomammillaria vetula</i> (Mart.) Britton & Rose wfo--- 0001257828..... | 236 | <i>Neoporteria aspillagae</i> (Söhrens) Backeb. wfo--- 0000378713..... | 113 |
| <i>Neomammillaria viereckii</i> (Boed.) Y.Itô wfo---0000378730 | 225 | <i>Neoporteria atrispinosa</i> (Backeb.) Backeb. wfo--- 0000378712..... | 128 |
| | | <i>Neoporteria atroviridis</i> (F.Ritter) R.M.Ferryman wfo--- 0001262266..... | 113 |

| | | | |
|---|-----|--|-----|
| <i>Neoporteria backebergii</i> Donald & G.D.Rowley wfo--0000378706..... | 125 | <i>Neoporteria curvispina</i> f. <i>lissocarpa</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432715..... | 121 |
| <i>Neoporteria bicolor</i> (Akers & Buining) Donald & G.D.Rowley wfo--0001287993..... | 119 | <i>Neoporteria curvispina</i> f. <i>minor</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432716..... | 123 |
| <i>Neoporteria Britton & Rose</i> wfo--4000025813..... | 112 | <i>Neoporteria curvispina</i> f. <i>mollensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432717..... | 116 |
| <i>Neoporteria bulbocalyx</i> (Werderm.) Donald & G.D.Rowley wfo--0000378716..... | 114 | <i>Neoporteria curvispina</i> f. <i>orientalis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432718..... | 116 |
| <i>Neoporteria calderana</i> Donald & G.D.Rowley wfo--0001287243..... | 114 | <i>Neoporteria curvispina</i> f. <i>robusta</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432719..... | 116 |
| <i>Neoporteria calderana</i> f. <i>gracilis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432703..... | 127 | <i>Neoporteria curvispina</i> f. <i>subaequalis</i> (Backeb.) Donald & G.D.Rowley wfo--0001432720..... | 116 |
| <i>Neoporteria caligophila</i> (R.Pinto) Lodé wfo--0001432704..... | 114 | <i>Neoporteria curvispina</i> var. <i>aconcaguensis</i> Don. & Rose wfo--0001287251..... | 116 |
| <i>Neoporteria carrizalensis</i> (F.Ritter) A.E.Hoffm. wfo--0000378708..... | 118 | <i>Neoporteria curvispina</i> var. <i>andicola</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432721..... | 116 |
| <i>Neoporteria carrizalensis</i> var. <i>tatorialensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432705..... | 115 | <i>Neoporteria curvispina</i> var. <i>carrizalensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432722..... | 118 |
| <i>Neoporteria castanea</i> F.Ritter wfo--0001255427..... | 114 | <i>Neoporteria curvispina</i> var. <i>echinus</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432723..... | 123 |
| <i>Neoporteria castanea</i> var. <i>tunensis</i> F.Ritter wfo--0001432706..... | 114 | <i>Neoporteria curvispina</i> var. <i>engleri</i> (F.Ritter) A.E.Hoffm. wfo--0001432724..... | 117 |
| <i>Neoporteria castaneoides</i> (Cels) Werderm. wfo--0000378707..... | 126 | <i>Neoporteria curvispina</i> var. <i>garaventae</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432725..... | 118 |
| <i>Neoporteria catamarcensis</i> (F.A.C.Weber) Donald & G.D.Rowley wfo--0000378739..... | 125 | <i>Neoporteria curvispina</i> var. <i>geissei</i> (Poselg. ex K.Schum.) Donald & G.D.Rowley wfo--0001432726..... | 115 |
| <i>Neoporteria centetaria</i> (Lehm.) G.D.Rowley wfo--0000378763..... | 413 | <i>Neoporteria curvispina</i> var. <i>grandiflora</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432727..... | 116 |
| <i>Neoporteria cephalophora</i> (Backeb.) Backeb. wfo--0000378724..... | 128 | <i>Neoporteria curvispina</i> var. <i>heinrichiana</i> (Backeb.) Donald & G.D.Rowley wfo--0001432728..... | 118 |
| <i>Neoporteria chilensis</i> (Hildm. ex K.Schum.) Britton & Rose wfo--0001287244..... | 114 | <i>Neoporteria curvispina</i> var. <i>kesselringiana</i> (Dölz) Donald & G.D.Rowley wfo--0001432729..... | 116 |
| <i>Neoporteria chilensis</i> f. <i>confinis</i> (Hildm.) Donald & G.D.Rowley wfo--0001432707..... | 114 | <i>Neoporteria curvispina</i> var. <i>marksiana</i> (F.Ritter) A.E.Hoffm. wfo--0001432730..... | 121 |
| <i>Neoporteria choapensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287245..... | 116 | <i>Neoporteria curvispina</i> var. <i>transitensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432731..... | 118 |
| <i>Neoporteria chorosensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287246..... | 119 | <i>Neoporteria curvispina</i> var. <i>vallenarensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432732..... | 127 |
| <i>Neoporteria clavata</i> (Söhrens ex K.Schum.) Werderm. wfo--0000378750..... | 115 | <i>Neoporteria deherdtiana</i> (Backeb.) Donald & G.D.Rowley wfo--0001287252..... | 119 |
| <i>Neoporteria clavata</i> var. <i>nigrihorrada</i> (Backeb.) A.E.Hoffm. wfo--0001432708..... | 126 | <i>Neoporteria densispina</i> Y.Itô wfo--0000378758..... | 117 |
| <i>Neoporteria clavata</i> var. <i>parviflora</i> F.Ritter wfo--0001432709..... | 115 | <i>Neoporteria dimorpha</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287253..... | 124 |
| <i>Neoporteria clavata</i> var. <i>procera</i> F.Ritter wfo--0001287247..... | 115 | <i>Neoporteria dubia</i> (Backeb.) Donald & G.D.Rowley wfo--0000378755..... | 114 |
| <i>Neoporteria coimasensis</i> F.Ritter wfo--0001287248..... | 115 | <i>Neoporteria ebenacantha</i> (Monv. ex Labour.) Borg wfo--0000378754..... | 123 |
| <i>Neoporteria coimasensis</i> var. <i>robusta</i> (F.Ritter) F.Ritter wfo--0001432710..... | 115 | <i>Neoporteria ebenacantha</i> var. <i>minor</i> (Labour.) Oehme wfo--0001432733..... | 123 |
| <i>Neoporteria confinis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287249..... | 120 | <i>Neoporteria echinus</i> (F.Ritter) Ferryman wfo--0001262305..... | 123 |
| <i>Neoporteria crispa</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287250..... | 115 | <i>Neoporteria echinus</i> var. <i>floccosa</i> (F.Ritter) Ferryman wfo--0001262306..... | 123 |
| <i>Neoporteria curvispina</i> (Bertero ex Colla) Donald & G.D.Rowley wfo--0001287232..... | 115 | <i>Neoporteria engleri</i> (F.Ritter) Donald & G.D.Rowley wfo--0000378753..... | 117 |
| <i>Neoporteria curvispina</i> f. <i>aconcaguensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432711..... | 116 | <i>Neoporteria engleri</i> var. <i>krausii</i> (Backeb.) Donald & G.D.Rowley wfo--0001432734..... | 117 |
| <i>Neoporteria curvispina</i> f. <i>albicans</i> (Hildm.) Donald & G.D.Rowley wfo--0001432712..... | 115 | <i>Neoporteria eriocephala</i> (Backeb.) Donald & G.D.Rowley wfo--0001287254..... | 127 |
| <i>Neoporteria curvispina</i> f. <i>descendens</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432713..... | 116 | <i>Neoporteria eriocephala</i> var. <i>glaucescens</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432735..... | 127 |
| <i>Neoporteria curvispina</i> f. <i>gracilis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432714..... | 121 | | |

| | | | |
|--|-----|--|----------|
| <i>Neoporteria eriosyzoides</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287255..... | 117 | <i>Neoporteria islayensis</i> f. <i>brevispina</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001288001..... | 119 |
| <i>Neoporteria eriosyzoides</i> var. <i>domeykoensis</i> (F.Ritter) Ferryman wfo--0001262308..... | 113 | <i>Neoporteria islayensis</i> f. <i>grandiflorens</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001287995..... | 119 |
| <i>Neoporteria esmeraldana</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287256..... | 118 | <i>Neoporteria islayensis</i> f. <i>minor</i> (Backeb.) Donald & G.D.Rowley wfo--0001287996..... | 119 |
| <i>Neoporteria esmeraldana</i> var. <i>malleolata</i> (F.Ritter) A.E.Hoffm. wfo--0001432736..... | 121 | <i>Neoporteria islayensis</i> f. <i>molendensis</i> (Vaupel) Donald & G.D.Rowley wfo--0001287997..... | 119 |
| <i>Neoporteria exsculpta</i> (Otto ex Pfeiff.) Borg wfo-- 0000378738..... | 126 | <i>Neoporteria islayensis</i> f. <i>spinosior</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001289186..... | 120 |
| <i>Neoporteria floccosa</i> (F.Ritter) Lodé wfo--0001262309 | 123 | <i>Neoporteria islayensis</i> var. <i>copiapoides</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001287998..... | 119 |
| <i>Neoporteria fobeana</i> (Mieckley) Backeb. wfo-- 0000378737..... | 124 | <i>Neoporteria islayensis</i> var. <i>divaricatiflora</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287999..... | 120 |
| <i>Neoporteria fusca</i> (Muehlenpf.) Britton & Rose wfo-- 0001287257..... | 123 | <i>Neoporteria islayensis</i> var. <i>grandis</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001288000..... | 120 |
| <i>Neoporteria garaventae</i> (F.Ritter) Ferryman wfo-- 0001262310..... | 118 | <i>Neoporteria juasieui</i> Britton & Rose wfo--0000378743 | 125 |
| <i>Neoporteria gerocephala</i> Y.Itô wfo--0000378740..... | 124 | <i>Neoporteria jussieui</i> (Monv.) Britton & Rose wfo-- 0001287261..... | 124, 125 |
| <i>Neoporteria hankeana</i> (C.F.Först.) Donald & G.D.Rowley wfo--0000378735..... | 123 | <i>Neoporteria jussieui</i> var. <i>chaniarensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432750..... | 119 |
| <i>Neoporteria hankeana</i> var. <i>minor</i> (Labour.) Donald & G.D.Rowley wfo--0001432737..... | 123 | <i>Neoporteria jussieui</i> var. <i>chorosensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432751..... | 119 |
| <i>Neoporteria hankeana</i> var. <i>taltalensis</i> (Backeb.) Donald & G.D.Rowley wfo--0001432738..... | 123 | <i>Neoporteria jussieui</i> var. <i>dimorpha</i> (F.Ritter) A.E.Hoffm. wfo--0001432752..... | 124 |
| <i>Neoporteria heinrichiana</i> (Backeb.) Ferryman wfo-- 0001262312..... | 118 | <i>Neoporteria jussieui</i> var. <i>fobeana</i> (Mieckley) Donald & G.D.Rowley wfo--0001432753..... | 124 |
| <i>Neoporteria heteracantha</i> (Backeb.) W.T.Marshall wfo-- 0000378734..... | 126 | <i>Neoporteria jussieui</i> var. <i>huascensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432754..... | 117 |
| <i>Neoporteria horrida</i> (Gay) D.R.Hunt wfo--0000378733 | 115 | <i>Neoporteria jussieui</i> var. <i>setosiflora</i> (F.Ritter) A.E.Hoffm. wfo--0001432755..... | 124 |
| <i>Neoporteria horrida</i> var. <i>armata</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432739..... | 113 | <i>Neoporteria jussieui</i> var. <i>trapichensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432756..... | 119 |
| <i>Neoporteria horrida</i> var. <i>aspillagae</i> (Söhrens) A.E.Hoffm. wfo--0001432740..... | 113 | <i>Neoporteria jussieui</i> var. <i>wagenknechtii</i> (F.Ritter) A.E.Hoffm. wfo--0001432757..... | 115 |
| <i>Neoporteria horrida</i> var. <i>coliguayensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432741..... | 116 | <i>Neoporteria kesselringiana</i> (Döhlz) Hutchison wfo-- 0000378907..... | 116 |
| <i>Neoporteria horrida</i> var. <i>limariensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432742..... | 120 | <i>Neoporteria krainziana</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287262..... | 119 |
| <i>Neoporteria horrida</i> var. <i>odoriflora</i> (F.Ritter) A.E.Hoffm. wfo--0001432743..... | 116 | <i>Neoporteria kunzei</i> (C.F.Först.) Backeb. wfo--0001287263 | 120 |
| <i>Neoporteria huascensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287258..... | 117 | <i>Neoporteria kunzei</i> var. <i>confinis</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432758..... | 120 |
| <i>Neoporteria intermedia</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287259..... | 127 | <i>Neoporteria laniceps</i> F.Ritter wfo--0001287264..... | 128 |
| <i>Neoporteria intermedia</i> f. <i>gracilis</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432744..... | 127 | <i>Neoporteria limariensis</i> (F.Ritter) Ferryman wfo-- 0001262313..... | 120 |
| <i>Neoporteria intermedia</i> f. <i>pygmaea</i> (F.Ritter) A.E.Hoffm. wfo--0001432745..... | 127 | <i>Neoporteria lindleyi</i> (C.F.Först.) Donald & G.D.Rowley wfo-- 0001288002..... | 119 |
| <i>Neoporteria intermedia</i> var. <i>calderana</i> (F.Ritter) A.E.Hoffm. wfo--0001432746..... | 114 | <i>Neoporteria lindleyi</i> f. <i>curvispina</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001288003..... | 119 |
| <i>Neoporteria intermedia</i> var. <i>pilispina</i> (F.Ritter) A.E.Hoffm. wfo--0001432747..... | 114 | <i>Neoporteria litoralis</i> F.Ritter wfo--0001255428..... | 120 |
| <i>Neoporteria intermedia</i> var. <i>pulchella</i> (F.Ritter) A.E.Hoffm. wfo--0001432748..... | 127 | <i>Neoporteria litoralis</i> var. <i>intermedia</i> F.Ritter wfo-- 0001432759..... | 126 |
| <i>Neoporteria intermedia</i> var. <i>scoparia</i> (F.Ritter) A.E.Hoffm. wfo--0001432749..... | 127 | <i>Neoporteria litoralis</i> var. <i>robustispina</i> Y.Itô wfo-- 0001432760..... | 126 |
| <i>Neoporteria iquiquensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287260..... | 119 | <i>Neoporteria mammillarioides</i> (Hook.) Backeb. wfo-- 0000378510..... | 138 |
| <i>Neoporteria islayensis</i> (C.F.Först.) Donald & G.D.Rowley wfo--0001287994..... | 119 | <i>Neoporteria marksiana</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287265..... | 121 |
| <i>Neoporteria islayensis</i> f. <i>brevicylindrica</i> (Rauh & Backeb.) Donald & G.D.Rowley wfo--0001289181..... | 119 | <i>Neoporteria marksiana</i> var. <i>tunensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432761..... | 121 |

| | | | |
|--|-----|--|-----|
| <i>Neoporteria marksianus</i> (F.Ritter) Donald & G.D.Rowley wfo--0000378511..... | 121 | <i>Neoporteria odieri</i> var. <i>araneifera</i> (Lem. ex Labour.) Donald & G.D.Rowley wfo--0001432781..... | 122 |
| <i>Neoporteria megliolii</i> (Rausch) Donald wfo--0000378905 | 121 | <i>Neoporteria odieri</i> var. <i>krausii</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432782..... | 120 |
| <i>Neoporteria melanacantha</i> (Backeb.) Donald & G.D.Rowley wfo--0000378911..... | 128 | <i>Neoporteria odieri</i> var. <i>longirapa</i> (F.Ritter) A.E.Hoffm. wfo-- --0001432783..... | 120 |
| <i>Neoporteria microsperma</i> F.Ritter wfo--0000378912... 126 | | <i>Neoporteria odieri</i> var. <i>malleolata</i> (F.Ritter) Ferryman wfo-- --0001262316..... | 121 |
| <i>Neoporteria microsperma</i> var. <i>graciana</i> F.Ritter wfo-- 0001432762..... | 126 | <i>Neoporteria odieri</i> var. <i>monte-amargensis</i> (Backeb.) Ferryman wfo--0001262317..... | 122 |
| <i>Neoporteria microsperma</i> var. <i>serenana</i> F.Ritter & Y.Itô wfo--0001432763..... | 126 | <i>Neoporteria odoriflora</i> Backeb. wfo--0001287270..... | 116 |
| <i>Neoporteria monte-amargensis</i> (Backeb.) Donald & G.D.Rowley wfo--0001287266..... | 122 | <i>Neoporteria omasensis</i> (Ostolaza & Mischler) Ferryman wfo--0001262319..... | 120 |
| <i>Neoporteria multicolor</i> F.Ritter wfo--0001287267..... | 124 | <i>Neoporteria paucicostata</i> (F.Ritter) Donald & G.D.Rowley wfo--0000380219..... | 122 |
| <i>Neoporteria napina</i> (Phil.) Backeb. wfo--0000378913.. 121 | | <i>Neoporteria paucicostata</i> var. <i>echinus</i> (F.Ritter) A.E.Hoffm. wfo--0001432784..... | 123 |
| <i>Neoporteria napina</i> f. <i>glabrescens</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432764..... | 118 | <i>Neoporteria paucicostata</i> var. <i>floccosa</i> (F.Ritter) A.E.Hoffm. wfo--0001432785..... | 123 |
| <i>Neoporteria napina</i> f. <i>nuda</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432765..... | 113 | <i>Neoporteria paucicostata</i> var. <i>glaucescens</i> (F.Ritter) A.E.Hoffm. wfo--0001432786..... | 127 |
| <i>Neoporteria napina</i> f. <i>spinosior</i> (Backeb.) Donald & G.D.Rowley wfo--0001432766..... | 121 | <i>Neoporteria paucicostata</i> var. <i>neohankeana</i> (F.Ritter) A.E.Hoffm. wfo--0001432787..... | 127 |
| <i>Neoporteria napina</i> var. <i>aerocarpa</i> (F.Ritter) A.E.Hoffm. wfo--0001432767..... | 113 | <i>Neoporteria pepiniana</i> (Lem. ex Salm-Dyck) Borg wfo-- 0000378897..... | 57 |
| <i>Neoporteria napina</i> var. <i>duripulpa</i> (F.Ritter) A.E.Hoffm. wfo--0001432768..... | 117 | <i>Neoporteria pilispina</i> (F.Ritter) Donald & G.D.Rowley wfo-- -0001287271..... | 114 |
| <i>Neoporteria napina</i> var. <i>fankhauseri</i> (F.Ritter) A.E.Hoffm. wfo--0001432769..... | 118 | <i>Neoporteria pilispina</i> f. <i>pygmaea</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432788..... | 127 |
| <i>Neoporteria napina</i> var. <i>fulva</i> (F.Ritter) A.E.Hoffm. wfo-- 0001432770..... | 118 | <i>Neoporteria planiceps</i> F.Ritter wfo--0001287272..... | 128 |
| <i>Neoporteria napina</i> var. <i>lembckei</i> (Backeb.) A.E.Hoffm. wfo--0001432771..... | 122 | <i>Neoporteria polyraphis</i> (Pfeiff. ex Salm-Dyck) Backeb. wfo-- -0000378899..... | 128 |
| <i>Neoporteria napina</i> var. <i>mitis</i> (Phil.) Donald & G.D.Rowley wfo--0001432772..... | 121 | <i>Neoporteria pseudochilensis</i> (Backeb.) Y.Itô wfo-- 0000378895..... | 413 |
| <i>Neoporteria napina</i> var. <i>spinosior</i> Backeb. wfo-- 0001432773..... | 121 | <i>Neoporteria pulchella</i> (F.Ritter) Ferryman wfo-- 0001262321..... | 127 |
| <i>Neoporteria neohankeana</i> (F.Ritter) Ferryman wfo-- 0001262315..... | 127 | <i>Neoporteria rapifera</i> F.Ritter & Y.Itô wfo--0001287273..... | 420 |
| <i>Neoporteria nidus</i> (Söhrens ex K.Schum.) Britton & Rose wfo--0001287268..... | 117 | <i>Neoporteria recondita</i> (F.Ritter) Donald & G.D.Rowley wfo-- -0001287274..... | 123 |
| <i>Neoporteria nidus</i> f. <i>densispina</i> (Y.Itô) Donald & G.D.Rowley wfo--0001432774..... | 117 | <i>Neoporteria recondita</i> var. <i>residua</i> (F.Ritter & Buining) A.E.Hoffm. wfo--0001432789..... | 123 |
| <i>Neoporteria nidus</i> f. <i>senilis</i> (Backeb.) Donald & G.D.Rowley wfo--0001432775..... | 124 | <i>Neoporteria recondita</i> var. <i>vexata</i> (F.Ritter) A.E.Hoffm. wfo--0001432790..... | 123 |
| <i>Neoporteria nidus</i> var. <i>coimasensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432776..... | 115 | <i>Neoporteria reichei</i> f. <i>aerocarpa</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432791..... | 113 |
| <i>Neoporteria nidus</i> var. <i>gerocephala</i> (Y.Itô) F.Ritter wfo-- 0001432777..... | 124 | <i>Neoporteria reichei</i> f. <i>carneoflora</i> Donald & G.D.Rowley wfo--0001432792..... | 118 |
| <i>Neoporteria nidus</i> var. <i>matancillana</i> F.Ritter wfo-- 0001432778..... | 124 | <i>Neoporteria reichei</i> f. <i>duripulpa</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432793..... | 117 |
| <i>Neoporteria nidus</i> var. <i>multicolor</i> (F.Ritter) A.E.Hoffm. wfo-- -0001432779..... | 124 | <i>Neoporteria reichei</i> f. <i>floribunda</i> (Backeb.) Donald & G.D.Rowley wfo--0001432794..... | 119 |
| <i>Neoporteria nigricans</i> (Linke) Britton & Rose wfo-- 0001257655..... | 113 | <i>Neoporteria reichei</i> f. <i>imitans</i> (Backeb.) Donald & G.D.Rowley wfo--0001432795..... | 121 |
| <i>Neoporteria nigrihorrida</i> Backeb. ex A.W.Hill wfo-- 0001255429..... | 122 | <i>Neoporteria reichei</i> f. <i>krausii</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432796..... | 120 |
| <i>Neoporteria nigrihorrida</i> var. <i>minor</i> Backeb. wfo-- 0001432780..... | 126 | <i>Neoporteria reichei</i> f. <i>lembckei</i> (Backeb.) Donald & G.D.Rowley wfo--0001432797..... | 122 |
| <i>Neoporteria occulta</i> (Phil.) Britton & Rose wfo-- 0001287269..... | 118 | <i>Neoporteria reichei</i> f. <i>malleolata</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432798..... | 121 |
| <i>Neoporteria odieri</i> (Lem. ex Salm-Dyck) Backeb. wfo-- 0000378898..... | 122 | <i>Neoporteria reichei</i> f. <i>neoreichei</i> (Backeb.) Donald & G.D.Rowley wfo--0001432799..... | 122 |

| | | | |
|--|----------|--|-----|
| <i>Neoporteria reichei</i> f. <i>pseudoreichei</i> (Lembcke & Backeb.) Donald & G.D.Rowley wfo--0001432800 | 122 | <i>Neoporteria subgibbosa</i> var. <i>castanea</i> (F.Ritter) Ferryman wfo--0001262323 | 114 |
| <i>Neoporteria reichei</i> f. <i>solitaria</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432801 | 121 | <i>Neoporteria subgibbosa</i> var. <i>chionacantha</i> Y.Itô wfo-- 0001432814 | 126 |
| <i>Neoporteria reichei</i> var. <i>aerocarpa</i> (F.Ritter) Ferryman wfo--0001262322 | 113 | <i>Neoporteria subgibbosa</i> var. <i>intermedia</i> (F.Ritter) A.E.Hoffm. wfo--0001432815 | 126 |
| <i>Neoporteria reichei</i> var. <i>malleolata</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432802 | 121 | <i>Neoporteria subgibbosa</i> var. <i>litoralis</i> (F.Ritter) A.E.Hoffm. wfo--0001432816 | 120 |
| <i>Neoporteria reichii</i> (K.Schum.) Backeb. wfo--0000378896 | 122 | <i>Neoporteria subgibbosa</i> var. <i>mammillarioides</i> (Hook.) Donald & G.D.Rowley wfo--0001432817 | 138 |
| <i>Neoporteria residua</i> (F.Ritter & Buining) Donald & G.D.Rowley wfo--0001287275 | 123 | <i>Neoporteria subgibbosa</i> var. <i>nigrihorrida</i> (Backeb.) Donald & G.D.Rowley wfo--0001432818 | 126 |
| <i>Neoporteria ritteri</i> Donald & G.D.Rowley wfo-- 0001287276 | 115 | <i>Neoporteria subgibbosa</i> var. <i>orientalis</i> F.Ritter wfo-- 0001432819 | 126 |
| <i>Neoporteria robusta</i> F.Ritter wfo--0001287277 | 115 | <i>Neoporteria subgibbosa</i> var. <i>robusta</i> (F.Ritter) A.E.Hoffm. wfo--0001432820 | 115 |
| <i>Neoporteria rupicola</i> (F.Ritter) Donald & G.D.Rowley wfo-- 0001287278 | 127 | <i>Neoporteria taltalensis</i> Hutchison wfo--0001287067... 127 | |
| <i>Neoporteria sanjuanensis</i> (Speg.) Donald & G.D.Rowley wfo--0000378904 | 125 | <i>Neoporteria taltalensis</i> var. <i>transiens</i> (F.Ritter) A.E.Hoffm. wfo--0001432821 | 127 |
| <i>Neoporteria scoparia</i> (F.Ritter) Donald & G.D.Rowley wfo-- -0001287279 | 127 | <i>Neoporteria thiebautiana</i> (Backeb.) Y.Itô wfo-- 0000378931 | 420 |
| <i>Neoporteria senilis</i> (Phil.) Backeb. wfo--0001255425 ... 124 | | <i>Neoporteria totoralensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001287286 | 115 |
| <i>Neoporteria setiflora</i> (Backeb.) Donald & G.D.Rowley wfo-- -0001287280 | 125 | <i>Neoporteria totoralensis</i> var. <i>carrizalensis</i> (F.Ritter) Ferryman wfo--0001262324 | 118 |
| <i>Neoporteria setosiflora</i> (F.Ritter) Donald & G.D.Rowley wfo--0000378902 | 124 | <i>Neoporteria transiens</i> (F.Ritter) Ferryman wfo-- 0001262326 | 118 |
| <i>Neoporteria setosiflora</i> var. <i>intermedia</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432803 | 125 | <i>Neoporteria transitensis</i> (F.Ritter) Ferryman wfo-- 0001262327 | 118 |
| <i>Neoporteria simulans</i> (F.Ritter) Donald & G.D.Rowley wfo-- -0001287281 | 124 | <i>Neoporteria tuberisulcata</i> (Jacobi) Donald & G.D.Rowley wfo--0000378933 | 117 |
| <i>Neoporteria sociabilis</i> F.Ritter wfo--0001287282 | 124 | <i>Neoporteria tuberisulcata</i> var. <i>armata</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432822 | 113 |
| <i>Neoporteria sociabilis</i> var. <i>napina</i> F.Ritter wfo-- 0001287284 | 124 | <i>Neoporteria tuberisulcata</i> var. <i>atroviridis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432823 | 113 |
| <i>Neoporteria sociabilis</i> var. <i>sociabilis</i> wfo--0001287283 124 | | <i>Neoporteria tuberisulcata</i> var. <i>cupreata</i> (Poselg. ex Rümpel) Donald & G.D.Rowley wfo--0001432824 58 | |
| <i>Neoporteria strausiana</i> (K.Schum.) Donald & G.D.Rowley wfo--0000378901 | 125 | <i>Neoporteria tuberisulcata</i> var. <i>froehlichiana</i> (K.Schum.) Donald & G.D.Rowley wfo--0001432825 | 116 |
| <i>Neoporteria subaiana</i> (Backeb.) Donald & G.D.Rowley wfo-- -0001287285 | 118 | <i>Neoporteria tuberisulcata</i> var. <i>nigricans</i> (Linke) Donald & G.D.Rowley wfo--0001432826 | 113 |
| <i>Neoporteria subcylindrica</i> (Backeb.) Backeb. wfo-- 0000378918 | 126 | <i>Neoporteria tuberisulcata</i> var. <i>robusta</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432827 | 116 |
| <i>Neoporteria subgibbosa</i> (Haw.) Britton & Rose wfo-- 0001287035 | 112, 125 | <i>Neoporteria tuberisulcata</i> var. <i>vegasana</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432828 | 116 |
| <i>Neoporteria subgibbosa</i> f. <i>castanea</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432804 | 114 | <i>Neoporteria umadeave</i> (Frič ex Werderm.) Donald & G.D.Rowley wfo--0000378932 | 127 |
| <i>Neoporteria subgibbosa</i> f. <i>castaneoides</i> (Cels ex Salm- Dyck) Donald & G.D.Rowley wfo--0001432805 | 126 | <i>Neoporteria umadeave</i> var. <i>marayensis</i> (Backeb.) Donald & G.D.Rowley wfo--0001432829 | 114 |
| <i>Neoporteria subgibbosa</i> f. <i>heteracantha</i> (Backeb.) Donald & G.D.Rowley wfo--0001432806 | 126 | <i>Neoporteria vallenarensis</i> F.Ritter wfo--0001255430... 127 | |
| <i>Neoporteria subgibbosa</i> f. <i>litoralis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432807 | 120 | <i>Neoporteria vallenarensis</i> var. <i>atroviridis</i> (F.Ritter) A.E.Hoffm. wfo--0001432830 | 113 |
| <i>Neoporteria subgibbosa</i> f. <i>major</i> (Backeb.) Donald & G.D.Rowley wfo--0001432808 | 115 | <i>Neoporteria vallenarensis</i> var. <i>crispa</i> (F.Ritter) A.E.Hoffm. wfo--0001432831 | 115 |
| <i>Neoporteria subgibbosa</i> f. <i>microsperma</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432809 | 126 | <i>Neoporteria vallenarensis</i> var. <i>domeykoensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432832 | 113 |
| <i>Neoporteria subgibbosa</i> f. <i>minor</i> (Backeb.) Donald & G.D.Rowley wfo--0001432810 | 115 | <i>Neoporteria vallenarensis</i> var. <i>transitensis</i> (F.Ritter) A.E.Hoffm. wfo--0001432833 | 118 |
| <i>Neoporteria subgibbosa</i> f. <i>serenana</i> (F.Ritter & Y.Itô) Donald & G.D.Rowley wfo--0001432811 | 126 | <i>Neoporteria villicumensis</i> (Rausch) Donald wfo-- 0000378937 | 128 |
| <i>Neoporteria subgibbosa</i> f. <i>subcylindrica</i> (Backeb.) Donald & G.D.Rowley wfo--0001432812 | 126 | <i>Neoporteria villosa</i> (Monv.) A.Berger wfo--0001287287 | 128 |
| <i>Neoporteria subgibbosa</i> f. <i>tunensis</i> (F.Ritter) Donald & G.D.Rowley wfo--0001432813 | 114 | | |

| | | | |
|--|-----|---|----------|
| <i>Neopterteria villosa</i> var. <i>atrispinosa</i> (Backeb.) Donald & G.D.Rowley wfo---0001432834 | 128 | <i>Neowerdermannia vorwerkii</i> var. <i>erectispina</i> Hoffm. & Backeb. wfo---0001432843 | 255 |
| <i>Neopterteria villosa</i> var. <i>cephalophora</i> (Backeb.) Donald & G.D.Rowley wfo---0001432835 | 128 | <i>Neowerdermannia vorwerkii</i> var. <i>gielsdorfiana</i> Backeb. wfo---0001432844 | 255 |
| <i>Neopterteria villosa</i> var. <i>laniceps</i> (F.Ritter) A.E.Hoffm. wfo---0001432836 | 128 | <i>Netanahashia</i> Y.Itô wfo---4000042583 | 112 |
| <i>Neopterteria villosa</i> var. <i>planiceps</i> (F.Ritter) A.E.Hoffm. wfo---0001434899 | 128 | <i>Nichelia</i> Bullock wfo---4000026082 | 112 |
| <i>Neopterteria villosa</i> var. <i>polyraphis</i> (Pfeiff. ex Salm-Dyck) Borg wfo---0001287288 | 128 | <i>Nichelia fusca</i> (Muehlenpf.) Bullock wfo---0000378924 | 123 |
| <i>Neopterteria volliana</i> (Backeb.) Donald & G.D.Rowley wfo---0000378936 | 125 | <i>Nichelia juasieui</i> (Monville) Bullock wfo---0001432845 | 124 |
| <i>Neopterteria volliana</i> var. <i>breviaristata</i> (Backeb.) Donald & G.D.Rowley wfo---0001432837 | 125 | <i>Nichelia jussieui</i> (Monv.) Bullock wfo---0000382579 | 124 |
| <i>Neopterteria wagenknechtii</i> F.Ritter wfo---0001287289 | 128 | <i>Nichelia nidus</i> (Söhrens ex K.Schum.) Bullock wfo---0000378916 | 117 |
| <i>Neopterteria wagenknechtii</i> var. <i>microsperma</i> (F.Ritter) A.E.Hoffm. wfo---0001432838 | 126 | <i>Nichelia nigricans</i> (Linke) Bullock wfo---0000378929 | 113 |
| <i>Neopterteria wagenknechtii</i> var. <i>napina</i> F.Ritter wfo---0001287290 | 128 | <i>Nichelia occulta</i> (Phil.) Bullock wfo---0000378927 | 118 |
| <i>Neopterteria wagenknechtii</i> var. <i>vallenarensis</i> (F.Ritter) A.E.Hoffm. wfo---0001432839 | 127 | <i>Nigellicereus</i> (P.V.Heath) P.V.Heath wfo---4000042520 | 355 |
| <i>Neopterteria woutersiana</i> (Backeb.) Donald & G.D.Rowley wfo---0001287291 | 127 | <i>Nopal silvestre</i> Thierry ex Rümpler wfo---0000378926 | 274 |
| <i>Neoraimondia arequipensis</i> (Meyen) Backeb. wfo---0001287542 | 255 | <i>Nopal</i> Thierry ex Rümpler wfo---4000026219 | 256 |
| <i>Neoraimondia arequipensis</i> subsp. <i>roseiflora</i> (Werderm. & Backeb.) Ostolaza wfo---0001432840 | 255 | <i>Nopalea angustifrons</i> Lindb. wfo---0000378919 | 265 |
| <i>Neoraimondia arequipensis</i> var. <i>aticensis</i> (Rauh & Backeb.) Rauh & Backeb. wfo---0001287545 | 255 | <i>Nopalea auberi</i> (Pfeiff.) Salm-Dyck wfo---0001289918 | 257 |
| <i>Neoraimondia arequipensis</i> var. <i>rhodantha</i> Rauh & Backeb. wfo---0001287543 | 255 | <i>Nopalea brittonii</i> Houghton wfo---0000378930 | 259 |
| <i>Neoraimondia arequipensis</i> var. <i>riomajensis</i> Rauh & Backeb. wfo---0001287544 | 255 | <i>Nopalea brittonii</i> var. <i>variegata</i> Houghton wfo---0001432846 | 259 |
| <i>Neoraimondia aticensis</i> Rauh & Backeb. wfo---0001288035 | 255 | <i>Nopalea coccifera</i> Lem. wfo---0001289915 | 259 |
| <i>Neoraimondia</i> Britton & Rose wfo---4000025819 | 255 | <i>Nopalea cochenillifera</i> (L.) Salm-Dyck wfo---0000378923 | 256, 259 |
| <i>Neoraimondia gigantea</i> Backeb. wfo---0001287540 | 255 | <i>Nopalea dejecta</i> (Salm-Dyck) Salm-Dyck wfo---0000378922 | 260 |
| <i>Neoraimondia gigantea</i> var. <i>saniensis</i> Rauh & Backeb. wfo---0001287541 | 255 | <i>Nopalea escuintlensis</i> Matuda wfo---0001289919 | 257 |
| <i>Neoraimondia herzogiana</i> (Backeb.) Buxb. & Krainz wfo---0001289528 | 255 | <i>Nopalea gaumeri</i> Britton & Rose wfo---0001287068 | 264 |
| <i>Neoraimondia macrostibas</i> (K.Schum.) Britton & Rose wfo---0001287443 | 255 | <i>Nopalea guatemalensis</i> Rose wfo---0000378889 | 275 |
| <i>Neoraimondia macrostibas</i> var. <i>gigantea</i> Backeb. wfo---0001289252 | 255 | <i>Nopalea hondurensis</i> (Standl.) Rebman wfo---0000382576 | 264 |
| <i>Neoraimondia macrostibas</i> var. <i>roseiflora</i> (Werderm. & Backeb.) Backeb. wfo---0001288037 | 255 | <i>Nopalea inaperta</i> A.Schott ex Griffiths wfo---0001287069 | 265 |
| <i>Neoraimondia peruviana</i> F.Ritter wfo---0001287766 | 255 | <i>Nopalea karwinskiana</i> (Salm-Dyck) K.Schum. wfo---0001289921 | 265 |
| <i>Neotanahashia reichei</i> (K.Schum.) Y.Itô wfo---0000378915 | 122 | <i>Nopalea lutea</i> Rose wfo---0000378852 | 266 |
| <i>Neotanahashia</i> Y.Itô wfo---4000025859 | 112 | <i>Nopalea moniliformis</i> (L.) K.Schum. wfo---0001288870 | 56 |
| <i>Neowerdermannia chilensis</i> Backeb. wfo---0001287292 | 255 | <i>Nopalea nuda</i> Backeb. wfo---0001289916 | 259 |
| <i>Neowerdermannia chilensis</i> subsp. <i>peruviana</i> (F.Ritter) Ostolaza wfo---0001432841 | 255 | <i>Nopalea</i> Salm-Dyck wfo---4000026220 | 256 |
| <i>Neowerdermannia</i> Frič wfo---4000025890 | 255 | <i>Nopalea sylvestre</i> Thierry-Menonv. wfo---0001262827 | 274 |
| <i>Neowerdermannia peruviana</i> F.Ritter wfo---0001287810 | 255 | <i>Nopalopuntia</i> Alexander wfo---4000026221 | 423 |
| <i>Neowerdermannia vorwerkii</i> f. <i>gielsdorfiana</i> (Backeb.) Krainz wfo---0001432842 | 255 | <i>Nopalopuntia macdougalii</i> (Alexander) Bravo wfo---0001232498 | 84, 423 |
| <i>Neowerdermannia vorwerkii</i> Frič wfo---0001245806 | 255 | <i>Nopalxochia</i> × <i>capelleana</i> (Rother) G.D.Rowley wfo---0000378849 | 390 |
| | | <i>Nopalxochia ackermannii</i> (Haw.) F.M.Knuth wfo---0001287070 | 83 |
| | | <i>Nopalxochia ackermannii</i> var. <i>conzattianum</i> (T.MacDoug.) Kimnach wfo---0001288297 | 83 |
| | | <i>Nopalxochia</i> Britton & Rose wfo---4000026222 | 82 |
| | | <i>Nopalxochia conzattianum</i> T.MacDoug. wfo---0001288298 | 83 |
| | | <i>Nopalxochia horichii</i> Kimnach wfo---0000378848 | 84 |
| | | <i>Nopalxochia macdougalii</i> (Alexander) Bravo wfo---0001432847 | 84 |
| | | <i>Nopalxochia macdougalii</i> (Alexander) W.T.Marshall wfo---0001237129 | 84 |
| | | <i>Nopalxochia phyllanthoides</i> (DC.) Britton & Rose wfo---0001288908 | 82, 84 |
| | | <i>Normanbokea</i> Kladiwa & Buxb. wfo---4000026228 | 370 |
| | | <i>Normanbokea pseudopectinata</i> (Backeb.) Kladiwa & Buxb. wfo---0000378856 | 372 |

| | | | |
|---|----------|---|-----|
| <i>Normanbokea valdeziana</i> (H.Moeller) Kladiwa & Buxb. wfo--0000378850..... | 370, 375 | <i>Notocactus arechavaletae</i> var. <i>aureus</i> F.Ritter wfo-- 0001432860..... | 295 |
| <i>Nothorhopsalis boliviana</i> (Britton) Doweld wfo-- 0001284281..... | 306 | <i>Notocactus arechavaletae</i> var. <i>buenekeri</i> F.Ritter wfo-- 0001432861..... | 296 |
| <i>Nothorhopsalis</i> Doweld wfo--4000026294..... | 175 | <i>Notocactus arechavaletae</i> var. <i>horstii</i> F.Ritter wfo-- 0001432862..... | 295 |
| <i>Nothorhopsalis houlettiana</i> (Lem.) Doweld wfo-- 0000378858..... | 175, 176 | <i>Notocactus arechavaletae</i> var. <i>limiticola</i> F.Ritter wfo-- 0001432863..... | 296 |
| <i>Nothorhopsalis houlettiana</i> subsp. <i>regnellii</i> (G.Lindb.) Doweld wfo--0001432848..... | 176 | <i>Notocactus arechavaletae</i> var. <i>nanus</i> F.Ritter wfo-- 0001432864..... | 296 |
| <i>Nothorhopsalis lorentziana</i> (Griseb.) Doweld wfo-- 0000378857..... | 176 | <i>Notocactus arechavaletae</i> var. <i>rubescens</i> F.Ritter wfo-- 0001432865..... | 296 |
| <i>Nothorhopsalis paranganiensis</i> (Cárdenas) Doweld wfo-- 0001284293..... | 307 | <i>Notocactus arnostianus</i> f. <i>curvispinus</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432866..... | 282 |
| <i>Nothorhopsalis warmingiana</i> (K.Schum.) Doweld wfo-- 0000378855..... | 176 | <i>Notocactus arnostianus</i> Lisal & Kolarik wfo--0000378847 | 283 |
| <i>Notocactus</i> (K.Schum.) Frič wfo--4000026314..... | 279 | <i>Notocactus beltranii</i> (Frič ex Z.Fleisch. & Schütz) G.Schäf. wfo--0000378845..... | 284 |
| <i>Notocactus xerubescens</i> f. <i>schlosseri</i> (Vliet) N.Gerloff & Neduchal wfo--0001432849..... | 285 | <i>Notocactus bertinii</i> (J.F.Cels) W.T.Marshall wfo-- 0000378843..... | 16 |
| <i>Notocactus acuatus</i> (Link & Otto) S.Theun. wfo-- 0000378854..... | 283 | <i>Notocactus bezrucii</i> (Frič) G.Schäf. wfo--0000378842.. | 285 |
| <i>Notocactus acuatus</i> var. <i>corynodes</i> (Otto ex Pfeiff.) Havlíček wfo--0001262534..... | 283 | <i>Notocactus bezrucii</i> var. <i>centrispinus</i> (Frič) S.Theun. wfo-- 0001432867..... | 285 |
| <i>Notocactus acuatus</i> var. <i>leucocarpus</i> (Arechav.) Havlíček wfo--0001262535..... | 284 | <i>Notocactus bezrucii</i> var. <i>corniger</i> (Frič) S.Theun. wfo-- 0001432868..... | 285 |
| <i>Notocactus acutus</i> F.Ritter wfo--0001262648..... | 296 | <i>Notocactus blaauwianus</i> var. <i>enormis</i> Vliet wfo-- 0001432869..... | 282 |
| <i>Notocactus agnetae</i> var. <i>aureispinus</i> Vliet wfo-- 0001432850..... | 282 | <i>Notocactus blaauwianus</i> Vliet wfo--0001256008..... | 282 |
| <i>Notocactus agnetae</i> var. <i>minor</i> Vliet wfo--0001432851282 | 282 | <i>Notocactus bommeljei</i> Vliet wfo--0001256078..... | 282 |
| <i>Notocactus agnetae</i> Vliet wfo--0001256007..... | 282 | <i>Notocactus brederooianus</i> Prestlé wfo--0000378888.. | 282 |
| <i>Notocactus alacriportanus</i> (Backeb. & Voll) Buxb. wfo-- 0000378840..... | 279 | <i>Notocactus bregmanianus</i> Vliet wfo--0000378887..... | 291 |
| <i>Notocactus alacriportanus</i> f. <i>hamatacanthus</i> Prestlé wfo-- 0001432852..... | 280 | <i>Notocactus brevihamatus</i> (W.Haage ex Backeb.) Buxb. wfo--0000378886..... | 279 |
| <i>Notocactus allosiphon</i> Marchesi wfo--0001256002..... | 280 | <i>Notocactus brevihamatus</i> f. <i>albispinosus</i> Prestlé wfo-- 0001432870..... | 280 |
| <i>Notocactus ampliocostatus</i> (F.Ritter) S.Theun. wfo-- 0000378838..... | 298 | <i>Notocactus brevihamatus</i> f. <i>conjugens</i> (F.Ritter) S.Theun. wfo--0001432871..... | 279 |
| <i>Notocactus apricus</i> (Arechav.) A.Berger wfo--0000378837 | 281 | <i>Notocactus brevihamatus</i> var. <i>mollispinus</i> (F.Ritter) S.Theun. wfo--0001432872..... | 280 |
| <i>Notocactus apricus</i> (Arechav.) Backeb. wfo--0000378833 | 281 | <i>Notocactus bueneckeri</i> (Buining) Krainz wfo--0000380158 | 279 |
| <i>Notocactus apricus</i> var. <i>concinus</i> (Monv.) Y.Itô wfo-- 0001432853..... | 281 | <i>Notocactus bueneckeri</i> f. <i>conjugens</i> (F.Ritter) S.Theun. wfo--0001432873..... | 279 |
| <i>Notocactus apricus</i> var. <i>muricatus</i> (Link & Otto ex Pfeiff.) Y.Itô wfo--0001432854..... | 294 | <i>Notocactus bueneckeri</i> f. <i>intermedia</i> (F.Ritter) S.Theun. wfo--0001432874..... | 280 |
| <i>Notocactus apricus</i> var. <i>tabularis</i> (Cels ex Rümpler) Y.Itô wfo--0001432855..... | 281 | <i>Notocactus buiningii</i> Buxb. wfo--0001256003..... | 280 |
| <i>Notocactus arachnitis</i> f. <i>darilhoensis</i> N.Gerloff wfo-- 0001432856..... | 282 | <i>Notocactus caespitosus</i> (Speg.) Backeb. wfo--0000378879 | 281 |
| <i>Notocactus arachnitis</i> f. <i>minor</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432857..... | 282 | <i>Notocactus calvescens</i> N.Gerloff & A.D.Nilson wfo-- 0000378884..... | 280 |
| <i>Notocactus arachnitis</i> F.Ritter wfo--0000378835..... | 282 | <i>Notocactus campestris</i> F.Ritter wfo--0000378890.. | 295 |
| <i>Notocactus arachnitis</i> var. <i>minor</i> F.Ritter wfo-- 0001432858..... | 282 | <i>Notocactus carambeiensis</i> Buining & Brederoo wfo-- 0000378882..... | 280 |
| <i>Notocactus araneolarius</i> (Rchb.) Herter wfo--0000378846 | 295 | <i>Notocactus carambeiensis</i> var. <i>villa-velhensis</i> (Backeb. & Voll) Šída ex G.Dohnke wfo--0001262538..... | 281 |
| <i>Notocactus arechavaletae</i> (Speg.) Herter wfo-- 0000378836..... | 295 | <i>Notocactus carambeiensis</i> var. <i>villa-velhensis</i> (Backeb. & Voll) Šída wfo--0001262536..... | 281 |
| <i>Notocactus arechavaletae</i> (Speg.) Krainz wfo-- 0000378841..... | 295 | <i>Notocactus catarinensis</i> (F.Ritter) S.Theun. wfo-- 0000378880..... | 280 |
| <i>Notocactus arechavaletae</i> var. <i>alacriportanus</i> F.Ritter wfo- --0001432859..... | 296 | <i>Notocactus catarinensis</i> (F.Ritter) Scheinvar wfo-- 0000378881..... | 280 |

| | | | |
|---|-----|--|-----|
| <i>Notocactus claviceps</i> (F.Ritter) Krainz wfo--0000378891 | 281 | <i>Notocactus euvelenovskyi</i> Z.Fleisch. & Schütz wfo-- 0000378868 | 290 |
| <i>Notocactus concinnioides</i> W.Prauser wfo--0001262539 | 282 | <i>Notocactus ferrugineus</i> H.Schloss. wfo--0000378878 .. | 300 |
| <i>Notocactus concinnus</i> (Monv.) A.Berger wfo--0000378885 | 281 | <i>Notocactus floricomus</i> (Arechav.) A.Berger wfo-- 0000378875 | 290 |
| <i>Notocactus concinnus</i> (Monv.) Backeb. wfo--0000378893 | 282 | <i>Notocactus floricomus</i> (Arechav.) Backeb. wfo-- 0000378874 | 290 |
| <i>Notocactus concinnus</i> f. <i>aceguensis</i> (N.Gerloff) N.Gerloff & Neduchal wfo--0001432875 | 282 | <i>Notocactus floricomus</i> var. <i>spinosissimus</i> Frič ex Buining wfo--0001432890 | 290 |
| <i>Notocactus concinnus</i> f. <i>agnetae</i> (Vliet) N.Gerloff & Neduchal wfo--0001432876 | 282 | <i>Notocactus fricii</i> (Arechav.) Krainz wfo--0000378873 .. | 284 |
| <i>Notocactus concinnus</i> f. <i>gibberulus</i> (Prestlé) N.Gerloff & Neduchal wfo--0001432877 | 282 | <i>Notocactus fuscus</i> F.Ritter wfo--0001256015 | 286 |
| <i>Notocactus concinnus</i> f. <i>joadii</i> (Hook.f.) Havlíček wfo-- 0001432878 | 281 | <i>Notocactus fuscus</i> var. <i>longispinus</i> F.Ritter wfo-- 0000378872 | 286 |
| <i>Notocactus concinnus</i> f. <i>rubrigemmatum</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432879 | 282 | <i>Notocactus gaucha</i> (M.Machado & Larocca) N.Gerloff & H.Henssen wfo--0000509857 | 286 |
| <i>Notocactus concinnus</i> subsp. <i>agnetae</i> (Vliet) Doweld wfo-- 0001432880 | 282 | <i>Notocactus gerloffii</i> Havlíček wfo--0000378920 | 286 |
| <i>Notocactus concinnus</i> subsp. <i>multicostatus</i> (Buining & Brederoo) Doweld wfo--0001432881 | 282 | <i>Notocactus gibberulus</i> Prestlé wfo--0000378742 | 282 |
| <i>Notocactus concinnus</i> var. <i>aceguensis</i> N.Gerloff wfo-- 0001432882 | 282 | <i>Notocactus glaucinus</i> f. <i>densispinus</i> (Bergner) N.Gerloff & Neduchal wfo--0001432891 | 296 |
| <i>Notocactus concinnus</i> var. <i>apricus</i> (Arechav.) P.V.Heath wfo--0001262540 | 281 | <i>Notocactus glaucinus</i> F.Ritter wfo--0000378541 | 296 |
| <i>Notocactus concinnus</i> var. <i>caespitosus</i> (Speg.) N.Gerloff & Neduchal wfo--0001432883 | 281 | <i>Notocactus glaucinus</i> var. <i>depressus</i> F.Ritter wfo-- 0001432892 | 296 |
| <i>Notocactus concinnus</i> var. <i>eremiticus</i> (F.Ritter) N.Gerloff wfo--0001432884 | 282 | <i>Notocactus glaucinus</i> var. <i>gracilis</i> F.Ritter wfo-- 0001256058 | 296 |
| <i>Notocactus concinnus</i> var. <i>gibberulus</i> (Prestlé) N.Gerloff wfo--0001432885 | 282 | <i>Notocactus glaucinus</i> var. <i>ibiciensis</i> (Prestlé) N.Gerloff & Neduchal wfo--0001432893 | 287 |
| <i>Notocactus concinnus</i> var. <i>pororensis</i> Dumon wfo-- 0001432886 | 282 | <i>Notocactus glaucinus</i> var. <i>incomptus</i> (N.Gerloff) N.Gerloff & Neduchal wfo--0001432894 | 296 |
| <i>Notocactus concinnus</i> var. <i>rubrigemmatum</i> (W.R.Abraham) N.Gerloff wfo--0001432887 | 282 | <i>Notocactus glaucinus</i> var. <i>laetivirens</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432895 | 294 |
| <i>Notocactus concinnus</i> var. <i>tabularis</i> (F.Cels ex Rümpler) P.V.Heath wfo--0001262541 | 281 | <i>Notocactus globularis</i> F.Ritter wfo--0000378538 | 296 |
| <i>Notocactus corynodes</i> (Otto ex Pfeiff.) Krainz wfo-- 0000378867 | 283 | <i>Notocactus glomeratus</i> N.Gerloff wfo--0001256061 | 299 |
| <i>Notocactus courantii</i> (Lem.) S.Theun. wfo--0000378866 | 284 | <i>Notocactus gracilis</i> Gemmrich wfo--0000378537 | 296 |
| <i>Notocactus crassigibbus</i> F.Ritter wfo--0001288316 | 282 | <i>Notocactus graessneri</i> (K.Schum.) A.Berger wfo-- 0000378536 | 286 |
| <i>Notocactus cristatoides</i> F.Ritter wfo--0000378860 | 290 | <i>Notocactus graessneri</i> f. <i>albisetus</i> (Cullmann) N.Gerloff & Neduchal wfo--0001432896 | 286 |
| <i>Notocactus curvispinus</i> F.Ritter wfo--0001252381 | 282 | <i>Notocactus graessneri</i> f. <i>microdasys</i> P.J.Braun wfo-- 0001432897 | 286 |
| <i>Notocactus darilhoensis</i> Prestlé wfo--0000378864 | 420 | <i>Notocactus graessneri</i> var. <i>albiseta</i> (Cullmann) Krainz wfo-- -0001288681 | 286 |
| <i>Notocactus elachisanthus</i> (F.A.C.Weber) Herter wfo-- 0000378863 | 286 | <i>Notocactus graessneri</i> var. <i>stellatus</i> Havlíček wfo-- 0001432898 | 286 |
| <i>Notocactus eremiticus</i> F.Ritter wfo--0000378862 | 282 | <i>Notocactus grandiensis</i> Bergner wfo--0000378539 | 296 |
| <i>Notocactus erinaceus</i> (Haw.) Krainz wfo--0000378861 | 283 | <i>Notocactus grossei</i> (K.Schum.) A.Berger wfo--0000378545 | 298 |
| <i>Notocactus erinaceus</i> f. <i>corynodes</i> (Otto ex Pfeiff.) N.Gerloff wfo--0001262543 | 283 | <i>Notocactus grossei</i> (K.Schum.) Backeb. wfo--0000378544 | 298 |
| <i>Notocactus erinaceus</i> var. <i>spinosior</i> (Labour.) G.D.Rowley wfo--0001432888 | 284 | <i>Notocactus grossei</i> f. <i>aureispinus</i> (F.Ritter) J.Theun. ex Havlíček wfo--0001262619 | 298 |
| <i>Notocactus erinaceus</i> var. <i>tephracanthus</i> (Link & Otto) Krainz wfo--0001432889 | 283 | <i>Notocactus grossei</i> var. <i>aureispinus</i> (F.Ritter) S.Theun. wfo-- -0001432899 | 298 |
| <i>Notocactus erubescens</i> (Osten) Marchesi wfo-- 0001252383 | 285 | <i>Notocactus gutierrezii</i> W.R.Abraham wfo--0001256045 | 294 |
| <i>Notocactus erythracanthus</i> H.Schloss. & Brederoo wfo-- 0001256029 | 290 | <i>Notocactus harmonianus</i> F.Ritter wfo--0000378543 | 296 |
| <i>Notocactus eugeniae</i> Vliet wfo--0001256030 | 290 | <i>Notocactus haselbergii</i> (Haage ex Rümpler) P.V.Heath wfo-- -0001262620 | 286 |
| <i>Notocactus eurypleurus</i> Prestlé wfo--0000378876 | 296 | <i>Notocactus haselbergii</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001432900 | 286 |
| | | <i>Notocactus herteri</i> f. <i>pseudoherteri</i> (Buining) K.Herm wfo-- -0001432901 | 286 |

| | | | |
|---|-----|---|-----|
| <i>Notocactus herteri</i> f. <i>roseoluteus</i> (Vliet) N.Gerloff & Neduchal wfo--0001432902..... | 290 | <i>Notocactus linkii</i> (Lehm.) Herter wfo--0000378560..... | 288 |
| <i>Notocactus herteri</i> subsp. <i>roseoluteus</i> (Vliet) Lodé wfo--0001432903..... | 290 | <i>Notocactus linkii</i> f. <i>multiflorus</i> (Frič ex Buining) F.Ritter wfo--0001432915..... | 288 |
| <i>Notocactus herteri</i> Werderm. wfo--0001288320..... | 286 | <i>Notocactus linkii</i> f. <i>websterianus</i> Debaecke wfo--0001432916..... | 289 |
| <i>Notocactus horstii</i> f. <i>muglianus</i> K.Herm wfo--0001432904..... | 287 | <i>Notocactus linkii</i> var. <i>albispinus</i> W.R.Abraham wfo--0001432917..... | 288 |
| <i>Notocactus horstii</i> f. <i>purpureiflorus</i> (F.Ritter) K.Herm wfo--0001262621..... | 287 | <i>Notocactus linkii</i> var. <i>buenekeri</i> F.Ritter wfo--0001432918..... | 288 |
| <i>Notocactus horstii</i> f. <i>purpureus</i> (F.Ritter) K.Herm wfo--0001432905..... | 287 | <i>Notocactus linkii</i> var. <i>flavispinus</i> Buining & Brederoo wfo--0001262632..... | 288 |
| <i>Notocactus horstii</i> F.Ritter wfo--0001256016..... | 287 | <i>Notocactus linkii</i> var. <i>guaibensis</i> F.Ritter wfo--0001432919..... | 288 |
| <i>Notocactus horstii</i> var. <i>purpureiflorus</i> F.Ritter wfo--0001262622..... | 287 | <i>Notocactus longispinus</i> (F.Ritter) Havlíček wfo--0000378558..... | 287 |
| <i>Notocactus hypocrateriformis</i> (Otto & A.Dietr.) Herter wfo--0000378502..... | 289 | <i>Notocactus longispinus</i> (F.Ritter) S.Theun. wfo--0000378561..... | 287 |
| <i>Notocactus ibicuiensis</i> Prestlé wfo--0000378501..... | 287 | <i>Notocactus macambarensis</i> Prestlé wfo--0000378557..... | 290 |
| <i>Notocactus incomptus</i> N.Gerloff wfo--0000378500..... | 296 | <i>Notocactus macrocanthus</i> (Arechav.) G.Schäf. wfo--0000378556..... | 285 |
| <i>Notocactus intricatus</i> (Link & Otto) Herter wfo--0000378495..... | 413 | <i>Notocactus macrogonus</i> (Arechav.) G.Schäf. wfo--0000378555..... | 284 |
| <i>Notocactus joadii</i> (Hook.f.) Herter wfo--0000378499..... | 281 | <i>Notocactus magnificus</i> (F.Ritter) Krainz ex N.P.Taylor wfo--0000378565..... | 289 |
| <i>Notocactus katharinae</i> Vliet wfo--0000378503..... | 287 | <i>Notocactus magnificus</i> (F.Ritter) Krainz wfo--0000378564..... | 289 |
| <i>Notocactus kovaricii</i> (Frič ex A.Berger) Havlíček wfo--0001262640..... | 285 | <i>Notocactus magnificus</i> var. <i>warasii</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432920..... | 300 |
| <i>Notocactus laetivirens</i> f. <i>densispinus</i> Bergner wfo--0001432906..... | 296 | <i>Notocactus maldonadensis</i> (Herter) Herter wfo--0000378567..... | 289 |
| <i>Notocactus laetivirens</i> F.Ritter wfo--0000378497..... | 294 | <i>Notocactus mammulosus</i> (Lem.) A.Berger wfo--0001289321..... | 289 |
| <i>Notocactus langsdorfii</i> (Lehm.) Krainz wfo--0001252385..... | 287 | <i>Notocactus mammulosus</i> f. <i>crystaloides</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432921..... | 290 |
| <i>Notocactus langsdorfii</i> f. <i>eddiewarasii</i> N.Gerloff wfo--0001432907..... | 288 | <i>Notocactus mammulosus</i> f. <i>crystaloides</i> P.V.Heath wfo--0001432922..... | 290 |
| <i>Notocactus langsdorfii</i> f. <i>multiceps</i> (Hofacker & K.Herm) Neduchal wfo--0001432908..... | 288 | <i>Notocactus mammulosus</i> f. <i>floricomus</i> (Arechav.) N.Gerloff & Neduchal wfo--0001432923..... | 290 |
| <i>Notocactus langsdorfii</i> f. <i>prestlei</i> (N.Gerloff) N.Gerloff wfo--0001432909..... | 288 | <i>Notocactus mammulosus</i> f. <i>macambarensis</i> (Prestlé) N.Gerloff & Neduchal wfo--0001432924..... | 290 |
| <i>Notocactus langsdorfii</i> f. <i>prolifer</i> (F.Ritter) N.Gerloff wfo--0001262630..... | 288 | <i>Notocactus mammulosus</i> subsp. <i>brasiliensis</i> (Speg.) Lodé wfo--0001432925..... | 290 |
| <i>Notocactus langsdorfii</i> var. <i>leprosorum</i> (F.Ritter) Hofacker wfo--0001262626..... | 287 | <i>Notocactus mammulosus</i> subsp. <i>erythracanthus</i> (H.Schloss. & Brederoo) Lodé wfo--0001432926..... | 290 |
| <i>Notocactus langsdorfii</i> var. <i>longispinus</i> (F.Ritter) N.Gerloff wfo--0001262628..... | 287 | <i>Notocactus mammulosus</i> subsp. <i>eugeniae</i> (Vliet) Lodé wfo--0001432927..... | 290 |
| <i>Notocactus langsdorfii</i> var. <i>pulvinatus</i> (Vliet) Neduchal wfo--0001432910..... | 285 | <i>Notocactus mammulosus</i> var. <i>brasiliensis</i> Havlíček wfo--0001256036..... | 290 |
| <i>Notocactus leninghausii</i> (K.Schum.) Backeb. wfo--0000378508..... | 288 | <i>Notocactus mammulosus</i> var. <i>erythracanthus</i> (H.Schloss. & Brederoo) N.Gerloff & Neduchal wfo--0001432928..... | 290 |
| <i>Notocactus leninghausii</i> (F.Haage) A.Berger wfo--0000378504..... | 288 | <i>Notocactus mammulosus</i> var. <i>megalanthus</i> (H.Schloss. & Brederoo) N.Gerloff & Neduchal wfo--0001432929..... | 290 |
| <i>Notocactus leninghausii</i> f. <i>apelii</i> (Heinrich) Krainz wfo--0001432911..... | 288 | <i>Notocactus mammulosus</i> var. <i>orthacanthus</i> (Link & Otto) N.Gerloff & Neduchal wfo--0001432930..... | 289 |
| <i>Notocactus leninghausii</i> f. <i>crystaloides</i> P.V.Heath wfo--0001432912..... | 288 | <i>Notocactus mammulosus</i> var. <i>pampeanus</i> (Speg.) A.Cast. & H.V.Lelong wfo--0001220102..... | 290 |
| <i>Notocactus leninghausii</i> f. <i>minor</i> (F.Ritter) S.Theun. ex Havlíček wfo--0001432913..... | 288 | <i>Notocactus mammulosus</i> var. <i>paulus</i> (H.Schloss. & Brederoo) N.Gerloff & Neduchal wfo--0001432931..... | 290 |
| <i>Notocactus leninghausii</i> var. <i>minor</i> (F.Ritter) S.Theun. wfo--0001432914..... | 288 | <i>Notocactus megalanthus</i> H.Schloss. & Brederoo wfo--0000378550..... | 290 |
| <i>Notocactus leocarpus</i> N.Gerloff wfo--0001262661..... | 285 | <i>Notocactus megapotamicus</i> f. <i>multiflorus</i> (Frič ex Buining) S.Stuchlík wfo--0001262635..... | 288 |
| <i>Notocactus leprosorum</i> (F.Ritter) Havlíček wfo--0000378506..... | 287 | | |
| <i>Notocactus leprosorum</i> (F.Ritter) S.Theun. wfo--0000378507..... | 287 | | |
| <i>Notocactus leucocarpus</i> (Arechav.) G.Schäf. wfo--0000378568..... | 284 | | |

| | | | |
|--|-----|---|-----|
| <i>Notocactus megapotamicus</i> Osten ex Herter wfo-- 0001220116..... | 288 | <i>Notocactus neoarechavaletae</i> f. <i>kovaricii</i> (Frič ex A.Berger) Neduchal wfo--0001432947 | 285 |
| <i>Notocactus megapotamicus</i> var. <i>alacriportanus</i> F.Ritter wfo--0001432932..... | 288 | <i>Notocactus neoarechavaletae</i> Havlíček wfo--0001252387 | 289 |
| <i>Notocactus megapotamicus</i> var. <i>crucicentrus</i> F.Ritter wfo-- -0001432933..... | 288 | <i>Notocactus neoarechavaletae</i> subsp. <i>miguelaensis</i> Prestlé wfo--0001432948 | 289 |
| <i>Notocactus megapotamicus</i> var. <i>flavispinus</i> (Buining & Brederoo) W.R.Abraham & R.W.Buneker wfo-- 0001262633..... | 288 | <i>Notocactus neoarechavaletae</i> var. <i>kovaricii</i> (Frič ex A.Berger) Havlíček wfo--0001262641 | 285 |
| <i>Notocactus megapotamicus</i> var. <i>horstii</i> F.Ritter wfo-- 0001432934..... | 288 | <i>Notocactus neoarechavaletae</i> var. <i>maldonadensis</i> (Herter) Havlíček wfo--0001432949 | 289 |
| <i>Notocactus megapotamicus</i> var. <i>multicolorispinus</i> W.R.Abraham & Buneker wfo--0001432935..... | 289 | <i>Notocactus neobuenekeri</i> F.Ritter wfo--0001256076 ... | 294 |
| <i>Notocactus megapotamicus</i> var. <i>vulgatus</i> F.Ritter wfo-- 0001432936..... | 288 | <i>Notocactus neohorstii</i> f. <i>juvenaliformis</i> (F.Ritter) N.Gerloff wfo--0001262644 | 294 |
| <i>Notocactus memorialis</i> Prestlé wfo--0000378547 | 300 | <i>Notocactus neohorstii</i> S.Theun. wfo--0000378470..... | 294 |
| <i>Notocactus meonacanthus</i> Prestlé wfo--0001256031 .. | 282 | <i>Notocactus neohorstii</i> var. <i>juvenaliformis</i> (F.Ritter) S.Theun. wfo--0001432950..... | 294 |
| <i>Notocactus miniatispinus</i> (F.Ritter) Havlíček wfo-- 0001262637..... | 296 | <i>Notocactus neohorstii</i> var. <i>prestlei</i> N.Gerloff wfo-- 0001432951 | 288 |
| <i>Notocactus minimus</i> Frič & Kreuz. ex Buining wfo-- 0000378548..... | 300 | <i>Notocactus neo-ottoianus</i> var. <i>schuldtii</i> Y.Itô wfo-- 0001432952 | 295 |
| <i>Notocactus minimus</i> var. <i>ruoffii</i> (N.Gerloff) N.Gerloff & Neduchal wfo--0001432937..... | 296 | <i>Notocactus neo-ottoianus</i> var. <i>stenogonus</i> (Backeb.) Y.Itô wfo--0001432953 | 295 |
| <i>Notocactus minimus</i> var. <i>stockingeri</i> (Prestlé) N.Gerloff & Neduchal wfo--0000378554..... | 299 | <i>Notocactus neo-ottoianus</i> var. <i>tenuispinus</i> (Link & Otto) Y.Itô wfo--0001432954 | 296 |
| <i>Notocactus minimus</i> var. <i>tenuicylindricus</i> (F.Ritter) Havlíček wfo--0001262638..... | 300 | <i>Notocactus neo-ottoianus</i> var. <i>tortuosus</i> (Link & Otto) Y.Itô wfo--0001432955 | 296 |
| <i>Notocactus minusculus</i> Hofacker & K.Herm wfo-- 0001254430..... | 296 | <i>Notocactus neo-ottoianus</i> Y.Itô wfo--0000378462..... | 420 |
| <i>Notocactus minusculus</i> Hofacker & K.Herm wfo-- 0001432938..... | 296 | <i>Notocactus nigrispinus</i> (K.Schum.) Buining wfo-- 0001432956 | 294 |
| <i>Notocactus moelleri</i> Frič wfo--0000382574 | 420 | <i>Notocactus nigrispinus</i> R.Kiesling wfo--0001289171 ... | 423 |
| <i>Notocactus muegelianus</i> T.Engel wfo--0000378552..... | 420 | <i>Notocactus nivosus</i> Prestlé wfo--0000378468..... | 405 |
| <i>Notocactus mueller-melchersii</i> f. <i>gracilispinus</i> (Krainz) N.Gerloff & Neduchal wfo--0001432939..... | 293 | <i>Notocactus notabilis</i> Dupal wfo--0000378456 | 420 |
| <i>Notocactus mueller-melchersii</i> Frič ex Backeb. wfo-- 0001220112..... | 293 | <i>Notocactus olimarensis</i> Prestlé wfo--0000378455 | 282 |
| <i>Notocactus mueller-melchersii</i> subsp. <i>gutierrezii</i> (W.R.Abraham) Lodé wfo--0001432940..... | 294 | <i>Notocactus orthacanthus</i> (Link & Otto) Vliet wfo-- 0000378454 | 289 |
| <i>Notocactus mueller-melchersii</i> subsp. <i>winkleri</i> (Vliet) Lodé wfo--0001432941..... | 293 | <i>Notocactus ottoianus</i> Y.Itô wfo--0000378453 | 295 |
| <i>Notocactus mueller-melchersii</i> var. <i>eugeniae</i> (Vliet) N.Gerloff & Neduchal wfo--0001432942..... | 290 | <i>Notocactus ottonis</i> (Lehm.) A.Berger wfo--0001288891 | 295 |
| <i>Notocactus mueller-melchersii</i> var. <i>gracilispinus</i> Krainz wfo--0001432943..... | 293 | <i>Notocactus ottonis</i> f. <i>aureus</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432957 | 295 |
| <i>Notocactus mueller-melchersii</i> var. <i>veenianus</i> (Vliet) N.Gerloff & Neduchal wfo--0001432944..... | 293 | <i>Notocactus ottonis</i> f. <i>elegans</i> (Backeb. & Voll) Havlíček wfo--0001262647 | 295 |
| <i>Notocactus mueller-melchersii</i> var. <i>winkleri</i> (Vliet) N.Gerloff & Neduchal wfo--0001432945..... | 293 | <i>Notocactus ottonis</i> f. <i>globularis</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432958 | 296 |
| <i>Notocactus mueller-moelleri</i> Frič ex Backeb. & F.M.Knuth wfo--0000378451..... | 290 | <i>Notocactus ottonis</i> subsp. <i>horstii</i> (F.Ritter) Doweld wfo-- 0001432959 | 295 |
| <i>Notocactus mueller-moelleri</i> Frič ex Z.Fleisch. & Schütz wfo--0000378551..... | 290 | <i>Notocactus ottonis</i> subvar. <i>rubrispinus</i> Prestlé wfo-- 0001432960 | 296 |
| <i>Notocactus multicostatus</i> Buining & Brederoo wfo-- 0000378496..... | 282 | <i>Notocactus ottonis</i> var. <i>acutangularis</i> F.Ritter wfo-- 0001432961 | 296 |
| <i>Notocactus multicostatus</i> var. <i>blaauwianus</i> (Vliet) N.Gerloff & Neduchal wfo--0001432946..... | 282 | <i>Notocactus ottonis</i> var. <i>albispinus</i> Backeb. wfo-- 0001432962 | 295 |
| <i>Notocactus muricatus</i> (Link & Otto ex Pfeiff.) A.Berger wfo-- -0000378464..... | 294 | <i>Notocactus ottonis</i> var. <i>elegans</i> Backeb. & Voll wfo-- 0001262646 | 295 |
| <i>Notocactus muricatus</i> (Otto) Backeb. wfo--0000378465 | 294 | <i>Notocactus ottonis</i> var. <i>globularis</i> (F.Ritter) Bergner wfo-- 0001432963 | 296 |
| <i>Notocactus napinus</i> (Phil.) A.Berger wfo--0000378463 | 121 | <i>Notocactus ottonis</i> var. <i>janousekianus</i> K.Papoušek wfo-- 0001432964 | 295 |
| | | <i>Notocactus ottonis</i> var. <i>linkii</i> (Lehm.) Borg wfo-- 0001432965 | 288 |
| | | <i>Notocactus ottonis</i> var. <i>megapotamicus</i> (Osten ex Herter) Buining wfo--0001432966 | 288 |

| | | | |
|---|-----|---|----------|
| <i>Notocactus ottonis</i> var. <i>minusculus</i> (Hofacker & K.Herm) N.Gerloff & Neduchal wfo--0001432967..... | 296 | <i>Notocactus rubrigemmatum</i> W.R.Abraham wfo-- 0000378490..... | 282 |
| <i>Notocactus ottonis</i> var. <i>multiflorus</i> Frič ex Buining wfo-- 0001262634..... | 288 | <i>Notocactus rubropedatus</i> F.Ritter wfo--0000378481 ... | 282 |
| <i>Notocactus ottonis</i> var. <i>nigrispinus</i> Luck wfo--0001432968 | 296 | <i>Notocactus rudibuenekeri</i> subsp. <i>glomeratus</i> (N.Gerloff) Doweld wfo--0001432977..... | 299 |
| <i>Notocactus ottonis</i> var. <i>schuldtii</i> Kreuz. wfo--0001432969 | 295 | <i>Notocactus rudibuenekeri</i> var. <i>glomeratus</i> (N.Gerloff) N.Gerloff & Neduchal wfo--0001432978..... | 299 |
| <i>Notocactus ottonis</i> var. <i>stenogonus</i> Backeb. wfo-- 0001432970..... | 295 | <i>Notocactus rudibuenekeri</i> W.R.Abraham wfo-- 0001256060..... | 299 |
| <i>Notocactus ottonis</i> var. <i>villa-velhensis</i> Backeb. & Voll wfo-- -0001262537..... | 281 | <i>Notocactus ruoffii</i> N.Gerloff wfo--0000378491..... | 296 |
| <i>Notocactus oxycostatus</i> Buining & Brederoo wfo-- 0001256054..... | 296 | <i>Notocactus rutilans</i> Däniker & Krainz wfo--0001256068 | 293 |
| <i>Notocactus oxycostatus</i> f. <i>acutus</i> (F.Ritter) N.Gerloff wfo-- 0001262649..... | 296 | <i>Notocactus rutilans</i> f. <i>robustior</i> N.Gerloff wfo-- 0001432979..... | 294 |
| <i>Notocactus oxycostatus</i> f. <i>miniatispinus</i> (F.Ritter) N.Gerloff wfo--0001262650..... | 296 | <i>Notocactus rutilans</i> subsp. <i>veenianus</i> (Vliet) Lodé wfo-- 0001432980..... | 293 |
| <i>Notocactus oxycostatus</i> f. <i>securituberculatus</i> (F.Ritter) N.Gerloff wfo--0001262652..... | 296 | <i>Notocactus rutilans</i> var. <i>gutierrezii</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432981..... | 294 |
| <i>Notocactus oxycostatus</i> subsp. <i>gracilis</i> (F.Ritter) Doweld wfo--0001432971..... | 296 | <i>Notocactus rutilans</i> var. <i>roseiflorus</i> (H.Schloss. & Brederoo) N.Gerloff & Neduchal wfo--0001432982..... | 293 |
| <i>Notocactus oxycostatus</i> subsp. <i>gracilis</i> (F.Ritter) Lodé wfo-- -0001432972..... | 296 | <i>Notocactus schaeferianus</i> (W.R.Abraham & J.Theun.) Havlíček wfo--0000378489..... | 285 |
| <i>Notocactus oxycostatus</i> var. <i>occidentalis</i> N.Gerloff wfo-- 0001432973..... | 296 | <i>Notocactus schlosseri</i> Vliet wfo--0000378494..... | 285 |
| <i>Notocactus oxycostatus</i> var. <i>schuldtii</i> (Kreuz.) N.Gerloff wfo--0001432974..... | 295 | <i>Notocactus schumannianus</i> (Nicolai) Frič wfo-- 0001289322..... | 279, 297 |
| <i>Notocactus pampeanus</i> (Speg.) Backeb. wfo--0001289325 | 290 | <i>Notocactus schumannianus</i> f. <i>ampliocostatus</i> (F.Ritter) Neduchal wfo--0001432983..... | 298 |
| <i>Notocactus patagonicus</i> (F.A.C.Weber ex Speg.) W.T.Marshall wfo--0000378459..... | 16 | <i>Notocactus schumannianus</i> f. <i>nigrispinus</i> (K.Schum.) Neduchal wfo--0001432984..... | 294 |
| <i>Notocactus pauciareolatus</i> (Arechav.) Krainz wfo-- 0000378458..... | 284 | <i>Notocactus schumannianus</i> subsp. <i>claviceps</i> (F.Ritter) Doweld wfo--0001432985..... | 281 |
| <i>Notocactus paulus</i> H.Schloss. & Brederoo wfo-- 0001262631..... | 290 | <i>Notocactus schumannianus</i> var. <i>ampliocostatus</i> (F.Ritter) J.Theun. wfo--0001262654..... | 298 |
| <i>Notocactus permutatus</i> F.Ritter wfo--0001256059..... | 293 | <i>Notocactus schumannianus</i> var. <i>grossei</i> (K.Schum.) Neduchal wfo--0001432986..... | 298 |
| <i>Notocactus polyacanthus</i> (Link & Otto) S.Theun. wfo-- 0000378467..... | 287 | <i>Notocactus scopa</i> (Spreng.) A.Berger wfo--0000378479 | 298 |
| <i>Notocactus prolifer</i> (F.Ritter) S.Theun. wfo--0000378485 | 288 | <i>Notocactus scopa</i> (Spreng.) Backeb. wfo--0000378474 | 298 |
| <i>Notocactus pseudoherteri</i> Buining wfo--0000378484..... | 286 | <i>Notocactus scopa</i> f. <i>albicans</i> (Arechav.) N.Gerloff & Neduchal wfo--0001432987..... | 298 |
| <i>Notocactus pseudopulvinatus</i> N.Gerloff wfo--0000378483 | 420 | <i>Notocactus scopa</i> f. <i>candidus</i> (Pfeiff.) Krainz wfo-- 0001432988..... | 298 |
| <i>Notocactus pulvinatus</i> var. <i>multiceps</i> (Hofacker & K.Herm) Garabelli & Wolman wfo--0001432975..... | 288 | <i>Notocactus scopa</i> f. <i>cobrensis</i> (N.Gerloff) N.Gerloff & Neduchal wfo--0001432989..... | 299 |
| <i>Notocactus pulvinatus</i> Vliet wfo--0000378482..... | 285 | <i>Notocactus scopa</i> f. <i>daenikerianus</i> (Krainz) Krainz wfo-- 0001432990..... | 298 |
| <i>Notocactus purpureus</i> F.Ritter wfo--0001262623..... | 287 | <i>Notocactus scopa</i> f. <i>erythrinus</i> Havlíček wfo--0001432991 | 299 |
| <i>Notocactus rauschii</i> var. <i>fuscus</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432976..... | 286 | <i>Notocactus scopa</i> f. <i>glauzerianus</i> (Krainz) Krainz wfo-- 0001432992..... | 298 |
| <i>Notocactus rauschii</i> Vliet wfo--0000378534..... | 294 | <i>Notocactus scopa</i> f. <i>machadoensis</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432993..... | 299 |
| <i>Notocactus rechensis</i> Buining wfo--0000378486..... | 297 | <i>Notocactus scopa</i> f. <i>marchesii</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432994..... | 299 |
| <i>Notocactus reichei</i> A.Berger wfo--0000378478..... | 122 | <i>Notocactus scopa</i> f. <i>succineus</i> (F.Ritter) N.Gerloff & Neduchal wfo--0001432995..... | 298 |
| <i>Notocactus ritterianus</i> Lisal & Kolarik wfo--0000378477 | 290 | <i>Notocactus scopa</i> f. <i>xicoi</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432996..... | 299 |
| <i>Notocactus roseiflorus</i> H.Schloss. & Brederoo wfo-- 0000378476..... | 293 | <i>Notocactus scopa</i> f. <i>xiphacanthus</i> (W.R.Abraham) N.Gerloff & Neduchal wfo--0001432997..... | 298 |
| <i>Notocactus roseoluteus</i> Vliet wfo--0001220113..... | 290 | <i>Notocactus scopa</i> subsp. <i>marchesii</i> (W.R.Abraham) Doweld wfo--0001432998..... | 299 |
| <i>Notocactus rubricostatus</i> (Frič ex Z.Fleisch. & Schütz) G.Schäf. wfo--0000378475..... | 285 | | |
| <i>Notocactus rubriflorus</i> Backeb. & F.M.Knuth wfo-- 0000378488..... | 286 | | |

| | | | |
|--|-----|--|-----|
| <i>Notocactus scopa</i> subsp. <i>neobuenekeri</i> (F.Ritter) Doweld wfo--0001432999..... | 294 | <i>Notocactus sessiliflorus</i> var. <i>stegmannii</i> (Backeb.) Havlíček wfo--0001433017..... | 285 |
| <i>Notocactus scopa</i> subsp. <i>succineus</i> (F.Ritter) Doweld wfo-- 0001433000..... | 298 | <i>Notocactus soldtianus</i> Vliet wfo--0000378695..... | 298 |
| <i>Notocactus scopa</i> var. <i>albicans</i> (Arechav.) Hofacker wfo-- 0001433001..... | 298 | <i>Notocactus spegazzinii</i> var. <i>alacriportanus</i> (F.Ritter) Vích wfo--0001433018..... | 296 |
| <i>Notocactus scopa</i> var. <i>cobrensis</i> N.Gerloff wfo-- 0001433002..... | 299 | <i>Notocactus spegazzinii</i> var. <i>aureus</i> (F.Ritter) Vích wfo-- 0001433019..... | 295 |
| <i>Notocactus scopa</i> var. <i>daenikerianus</i> Krainz wfo-- 0001433003..... | 298 | <i>Notocactus spegazzinii</i> var. <i>buenekeri</i> (F.Ritter) Vích wfo-- 0001433020..... | 296 |
| <i>Notocactus scopa</i> var. <i>glauzerianus</i> Krainz wfo-- 0001433004..... | 298 | <i>Notocactus spegazzinii</i> var. <i>horstii</i> (F.Ritter) Vích wfo-- 0001433021..... | 295 |
| <i>Notocactus scopa</i> var. <i>machadoensis</i> W.R.Abraham wfo-- 0001433005..... | 299 | <i>Notocactus spegazzinii</i> var. <i>limiticola</i> (F.Ritter) Vích wfo-- 0001433022..... | 296 |
| <i>Notocactus scopa</i> var. <i>marchesii</i> W.R.Abraham wfo-- 0001256075..... | 299 | <i>Notocactus spegazzinii</i> var. <i>nanus</i> (F.Ritter) Vích wfo-- 0001433023..... | 296 |
| <i>Notocactus scopa</i> var. <i>murielii</i> Hofacker wfo--0001433006 | 299 | <i>Notocactus spegazzinii</i> var. <i>rubescens</i> (F.Ritter) Vích wfo-- 0001433024..... | 296 |
| <i>Notocactus scopa</i> var. <i>xicoi</i> W.R.Abraham wfo-- 0001433007..... | 299 | <i>Notocactus spegazzinii</i> Vích wfo--0001433025..... | 296 |
| <i>Notocactus scopa</i> var. <i>xiphacanthus</i> W.R.Abraham wfo-- 0001433008..... | 298 | <i>Notocactus spinibarbis</i> F.Ritter wfo--0000378694..... | 294 |
| <i>Notocactus securituberculatus</i> F.Ritter wfo--0001262651 | 296 | <i>Notocactus stegmannii</i> (Backeb.) Krainz wfo--0000378691 | 285 |
| <i>Notocactus securituberculatus</i> var. <i>miniatispinus</i> F.Ritter wfo--0001262636..... | 296 | <i>Notocactus stockingeri</i> Prestlé wfo--0000378693..... | 299 |
| <i>Notocactus sellowii</i> (Link & Otto) S.Theun. wfo-- 0000378661..... | 283 | <i>Notocactus submammulosus</i> (Lem.) Backeb. wfo-- 0001289323..... | 290 |
| <i>Notocactus sellowii</i> f. <i>centrispinus</i> (Frič) Neduchal wfo-- 0001433009..... | 285 | <i>Notocactus submammulosus</i> var. <i>minor</i> (R.Kiesling) N.Gerloff & Neduchal wfo--0001433026..... | 291 |
| <i>Notocactus sellowii</i> f. <i>corniger</i> (Frič) Neduchal wfo-- 0001433010..... | 285 | <i>Notocactus submammulosus</i> var. <i>pampeanus</i> (Speg.) Backeb. wfo--0001289324..... | 290 |
| <i>Notocactus sellowii</i> f. <i>fricii</i> (Arechav.) N.Gerloff wfo-- 0001262659..... | 284 | <i>Notocactus succineus</i> F.Ritter wfo--0001256077..... | 298 |
| <i>Notocactus sellowii</i> f. <i>leucocarpus</i> (Arechav.) N.Gerloff wfo--0001262664..... | 284 | <i>Notocactus tabularis</i> (F.Cels ex Rümpler) A.Berger wfo-- 0001252391..... | 281 |
| <i>Notocactus sellowii</i> f. <i>macracanthus</i> (Arechav.) N.Gerloff wfo--0001262666..... | 285 | <i>Notocactus tabularis</i> f. <i>bommeljei</i> (Vliet) N.Gerloff & Neduchal wfo--0001433027..... | 282 |
| <i>Notocactus sellowii</i> f. <i>macrogonus</i> (Arechav.) Havlíček wfo- --0001262668..... | 284 | <i>Notocactus tabularis</i> subsp. <i>bommeljei</i> (Vliet) Lodé wfo-- 0001433028..... | 282 |
| <i>Notocactus sellowii</i> f. <i>pauciareolatus</i> (Arechav.) N.Gerloff wfo--0001262670..... | 284 | <i>Notocactus tabularis</i> subsp. <i>muricatus</i> (Doweld) Doweld wfo--0001433029..... | 282 |
| <i>Notocactus sellowii</i> f. <i>rubricostatus</i> (Frič ex B.Fleisch. & Schütz) N.Gerloff wfo--0001262672..... | 285 | <i>Notocactus tabularis</i> var. <i>setispinus</i> W.Prauser wfo-- 0001433030..... | 282 |
| <i>Notocactus sellowii</i> f. <i>tephracanthus</i> (Link & Otto) Neduchal wfo--0001433011..... | 283 | <i>Notocactus tenuicylindricus</i> F.Ritter wfo--0001252393 | 300 |
| <i>Notocactus sellowii</i> f. <i>turbinatus</i> (Arechav.) Havlíček wfo-- 0001262674..... | 284 | <i>Notocactus tenuispinus</i> (Link & Otto) Herter wfo-- 0000378675..... | 295 |
| <i>Notocactus sellowii</i> var. <i>beltranii</i> (Frič) Neduchal wfo-- 0001433012..... | 284 | <i>Notocactus tenuispinus</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001433031..... | 296 |
| <i>Notocactus sellowii</i> var. <i>bezrucii</i> (Frič) Neduchal wfo-- 0001433013..... | 285 | <i>Notocactus tephracanthus</i> (Link & Otto) Krainz wfo-- 0000378679..... | 283 |
| <i>Notocactus sellowii</i> var. <i>courantii</i> (Lem.) N.Gerloff wfo-- 0001262657..... | 284 | <i>Notocactus tephracanthus</i> var. <i>depressus</i> (Speg.) Stuchlík wfo--0001262675..... | 283 |
| <i>Notocactus sellowii</i> var. <i>macracanthus</i> (Arechav.) S.Theun. wfo--0001433014..... | 285 | <i>Notocactus tetracanthus</i> (Lem.) N.Gerloff, Neduchal & S.Stuchlik wfo--0000378678..... | 284 |
| <i>Notocactus sessiliflorus</i> (Mackie ex Hook.) Krainz wfo-- 0000378689..... | 283 | <i>Notocactus turbinatus</i> (Arechav.) Krainz wfo--0000378673 | 284 |
| <i>Notocactus sessiliflorus</i> f. <i>tetracanthus</i> (Lem.) Neduchal wfo--0001433015..... | 284 | <i>Notocactus turbinatus</i> f. <i>schaeferianus</i> (W.R.Abraham & J.Theun.) Neduchal wfo--0001433032..... | 285 |
| <i>Notocactus sessiliflorus</i> f. <i>vorwerkianus</i> (Werderm.) Neduchal wfo--0001433016..... | 285 | <i>Notocactus turecekianus</i> (R.Kiesling) W.R.Abraham wfo-- 0001433033..... | 291 |
| | | <i>Notocactus uebelmannianus</i> Buining wfo--0000378674 | 282 |
| | | <i>Notocactus uebelmannianus</i> f. <i>flaviflorus</i> N.Gerloff & Königs wfo--0001433034..... | 282 |
| | | <i>Notocactus uebelmannianus</i> f. <i>gilviflorus</i> Königs & N.Gerloff wfo--0001433035..... | 282 |

| | | | |
|---|-----|---|----------|
| <i>Notocactus uebelmannianus</i> f. <i>nilsonii</i> (Königs) N.Gerloff & Neduchal wfo---0001433036 | 282 | <i>Oehmea nelsonii</i> (Britton & Rose) Buxb. wfo---0001038961 | 197, 199 |
| <i>Notocactus uebelmannianus</i> subsp. <i>pleiocephalus</i> (N.Gerloff & Königs) Lodé wfo---0001256091 | 282 | <i>Ophiorhopsis</i> (K.Schum.) Doweld wfo---4000026949 .. | 175 |
| <i>Notocactus uebelmannianus</i> var. <i>nilsonii</i> Königs wfo---0001433037 | 282 | <i>Ophiorhopsis lumbricoides</i> (Lem.) Doweld wfo---0001284288 | 175, 176 |
| <i>Notocactus uebelmannianus</i> var. <i>pleiocephalus</i> N.Gerloff & Königs wfo---0001433038 | 282 | <i>Ophiorhopsis lumbricoides</i> subsp. <i>aculeata</i> (F.A.C.Weber) Doweld wfo---0001433045 | 176 |
| <i>Notocactus uruguayus</i> (Arechav.) Herter wfo---0000378683 | 295 | <i>Opuntia xaequatorialis</i> Britton & Rose wfo---0001256445 | 257 |
| <i>Notocactus vanvlietii</i> Rausch wfo---0000378677 | 300 | <i>Opuntia xandersonii</i> H.M.Hern., Gómez-Hin. & Bárcenas wfo---0000390531 | 257 |
| <i>Notocactus vanvlietii</i> var. <i>gracilis</i> Rausch wfo---0001433039 | 300 | <i>Opuntia xbakeri</i> Madsen wfo---0001256446 | 257 |
| <i>Notocactus veenianus</i> Vliet wfo---0001256069 | 293 | <i>Opuntia xcalifornica</i> Engelm. wfo---0001433046 | 76 |
| <i>Notocactus velenovskii</i> Frič ex Backeb. wfo---0000378686 | 420 | <i>Opuntia xcampii</i> M.A.Baker & Pinkava wfo---0001038640 | 74 |
| <i>Notocactus velenovskyi</i> Frič wfo---0000378685 | 420 | <i>Opuntia xcarstenii</i> R.Puente & C.Hamann wfo---0000390521 | 259 |
| <i>Notocactus velenovskyi</i> Y.Itô wfo---0000382561 | 421 | <i>Opuntia xcervicornis</i> Späth wfo---0000386489 | 259 |
| <i>Notocactus vilanovenssis</i> C.E.Koch wfo---0000378684 | 283 | <i>Opuntia xcharlestonensis</i> Clokey wfo---0000386486 | 259 |
| <i>Notocactus villa-velhensis</i> (Backeb. & Voll) Slaba wfo---0001287212 | 281 | <i>Opuntia xcochinera</i> Griffiths wfo---0001289629 | 259 |
| <i>Notocactus villa-velhensis</i> var. <i>carambeiensis</i> (Buining & Brederoo) N.Gerloff wfo---0000378688 | 280 | <i>Opuntia xcoloradensis</i> D.J.Barnett & Donnie Barnett wfo---0001433047 | 259 |
| <i>Notocactus vorwerkianus</i> (Werderm.) Krainz wfo---0000378682 | 285 | <i>Opuntia xcolumbiana</i> Griffiths wfo---0000386569 | 260 |
| <i>Notocactus warasii</i> (F.Ritter) T.Hewitt & Donald wfo---0000378681 | 300 | <i>Opuntia xcongesta</i> Griffiths wfo---0000386396 | 76 |
| <i>Notocactus werdermannianus</i> f. <i>ferrugineus</i> (H.Schloss.) N.Gerloff & Neduchal wfo---0001433040 | 300 | <i>Opuntia xcovillei</i> Britton & Rose wfo---0001433048 | 274 |
| <i>Notocactus werdermannianus</i> Herter wfo---0001256089 | 300 | <i>Opuntia xcovillei</i> var. <i>peircei</i> Munz wfo---0001433049 .. | 275 |
| <i>Notocactus winkleri</i> Vliet wfo---0001256046 | 293 | <i>Opuntia xdebreczyi</i> Szutorisz wfo---0000386527 | 260 |
| <i>Nyctocereus</i> (A.Berger) Britton & Rose wfo---4000026412 | 256 | <i>Opuntia xdemissa</i> Griffiths wfo---0001287119 | 260 |
| <i>Nyctocereus castellanosii</i> Scheinvar wfo---0001288472 .. | 256 | <i>Opuntia xdeserta</i> Griffiths wfo---0000386543 | 74 |
| <i>Nyctocereus chontalensis</i> Alexander wfo---0001289116 .. | 79 | <i>Opuntia xedwardsii</i> V.E.Grant & K.A.Grant wfo---0001287037 | 261 |
| <i>Nyctocereus guatemalensis</i> Britton & Rose wfo---0000378598 | 5 | <i>Opuntia xelisiae</i> D.Guillot & P.Van der Meer wfo---0000385770 | 261 |
| <i>Nyctocereus hirschtianus</i> (K.Schum.) Britton & Rose wfo---0000378597 | 5 | <i>Opuntia xfosbergii</i> C.B.Wolf wfo---0001287325 | 75 |
| <i>Nyctocereus kalbreyerianus</i> (Werckle) Croizat wfo---0001289117 | 256 | <i>Opuntia xkelvinensis</i> V.E.Grant & K.A.Grant wfo---0000385823 | 76 |
| <i>Nyctocereus neumannii</i> (K.Schum. ex Loes.) Britton & Rose wfo---0000378596 | 5 | <i>Opuntia xlucaiana</i> Britton wfo---0000385653 | 266 |
| <i>Nyctocereus oaxacensis</i> Britton & Rose wfo---0001289118 | 5 | <i>Opuntia xmagenta</i> Griffiths wfo---0001433050 | 274 |
| <i>Nyctocereus serpentinus</i> (Lag. & Rodr.) Britton & Rose wfo---0001288473 | 256 | <i>Opuntia xneorbuscula</i> Griffiths wfo---0000386526 | 73 |
| <i>Nyctocereus serpentinus</i> subsp. <i>splendens</i> (Salm-Dyck ex Lem.) Scheinvar wfo---0001433041 | 256 | <i>Opuntia xoccidentalis</i> Engelm. & J.M.Bigelow wfo---0000385714 | 268 |
| <i>Nyctocereus serpentinus</i> var. <i>ambiguus</i> (Bonpl.) Borg wfo---0001433042 | 256 | <i>Opuntia xoccidentalis</i> var. <i>covillei</i> (Britton & Rose) Parish wfo---0001433051 | 275 |
| <i>Nyctocereus serpentinus</i> var. <i>pietatis</i> Bravo wfo---0001289922 | 256 | <i>Opuntia xoccidentalis</i> var. <i>littoralis</i> (Engelm.) Parish wfo---0001433052 | 266 |
| <i>Nyctocereus serpentinus</i> var. <i>splendens</i> (Salm-Dyck ex Lem.) Borg wfo---0001433043 | 256 | <i>Opuntia xoccidentalis</i> var. <i>megacarpa</i> (Griffiths) Munz wfo---0001433053 | 261 |
| <i>Nyctocereus serpentinus</i> var. <i>strictior</i> Borg wfo---0001433044 | 256 | <i>Opuntia xoccidentalis</i> var. <i>percei</i> (Fosberg) Munz wfo---0001433054 | 266 |
| <i>Obregonia denegrii</i> Frič wfo---0001288606 | 256 | <i>Opuntia xquipa</i> F.A.C.Weber wfo---0001252133 | 361 |
| <i>Obregonia</i> Frič wfo---4000026459 | 256 | <i>Opuntia xrooneyi</i> M.P.Griff. wfo---0000385968 | 271 |
| <i>Oehmea beneckeii</i> (Ehrenb.) Buxb. wfo---0001289950 .. | 199 | <i>Opuntia xrubiflora</i> Davidson wfo---0001433055 | 275 |
| <i>Oehmea</i> Buxb. wfo---4000026644 | 197 | <i>Opuntia xrugosa</i> Griffiths wfo---0001433056 | 275 |
| | | <i>Opuntia xspinosibacca</i> M.S.Anthony wfo---0001289854272 .. | 76 |
| | | <i>Opuntia xtetracantha</i> Toumey wfo---0000386030 | 76 |
| | | <i>Opuntia xvaseyi</i> (J.M.Coult.) Britton & Rose wfo---0001287335 | 274 |
| | | <i>Opuntia xvaseyi</i> var. <i>magenta</i> Parish wfo---0001433057 | 275 |
| | | <i>Opuntia xviridiflora</i> Britton & Rose wfo---0000385877 .. | 79 |
| | | <i>Opuntia xvivipara</i> Rose wfo---0000385882 | 73 |
| | | <i>Opuntia xwootonii</i> Griffiths wfo---0001433058 | 275 |

| | | | |
|--|-----|--|-----|
| <i>Opuntia abjecta</i> Small ex Britton & Rose wfo-- 0001287361..... | 257 | <i>Opuntia anacantha</i> var. <i>retrorsa</i> (Speg.) R.Kiesling wfo-- 0001433065..... | 257 |
| <i>Opuntia abyssii</i> Hester wfo--0000386665..... | 72 | <i>Opuntia anacantha</i> var. <i>utkilio</i> (Speg.) R.Kiesling wfo-- 0001284029..... | 257 |
| <i>Opuntia acanthocarpa</i> Engelm. & J.M.Bigelow wfo-- 0000386664..... | 72 | <i>Opuntia anahuacensis</i> Griffiths wfo--0001289858..... | 273 |
| <i>Opuntia acanthocarpa</i> subsp. <i>ganderi</i> C.B.Wolf wfo-- 0000390530..... | 75 | <i>Opuntia andicola</i> Pfeiff. wfo--0001289300..... | 196 |
| <i>Opuntia acanthocarpa</i> var. <i>coloradensis</i> L.D.Benson wfo-- 0001287114..... | 72 | <i>Opuntia andicola</i> var. <i>elongata</i> Lem. wfo--0001433066 | 196 |
| <i>Opuntia acanthocarpa</i> var. <i>ganderi</i> (C.B.Wolf) L.D.Benson wfo--0001287115..... | 75 | <i>Opuntia andicola</i> var. <i>fulvispina</i> Lem. wfo--0001433067 | 362 |
| <i>Opuntia acanthocarpa</i> var. <i>major</i> (Engelm. & J.M.Bigelow) L.D.Benson wfo--0001286989..... | 72 | <i>Opuntia andicola</i> var. <i>major</i> Lem. wfo--0001433068... .. | 196 |
| <i>Opuntia acanthocarpa</i> var. <i>ramosa</i> Peebles wfo-- 0001289604..... | 72 | <i>Opuntia angusta</i> Meinsh. wfo--0000386673..... | 405 |
| <i>Opuntia acanthocarpa</i> var. <i>thornberi</i> (Thornber & Bonker) L.D.Benson wfo--0001287224..... | 73 | <i>Opuntia angustata</i> Engelm. & J.M.Bigelow wfo-- 0001287362..... | 269 |
| <i>Opuntia acaulis</i> Ekman & Werderm. wfo--0000386663..... | 413 | <i>Opuntia angustata</i> var. <i>comonduensis</i> J.M.Coult. wfo-- 0001289800..... | 260 |
| <i>Opuntia aciculata</i> Griffiths wfo--0000386662..... | 257 | <i>Opuntia anteojoensis</i> Pinkava wfo--0000386671..... | 73 |
| <i>Opuntia aciculata</i> var. <i>orbiculata</i> Backeb. wfo-- 0001433059..... | 257 | <i>Opuntia antillana</i> Britton & Rose wfo--0001253103... .. | 260 |
| <i>Opuntia acracantha</i> Walp. wfo--0000386661..... | 362 | <i>Opuntia aoracantha</i> Lem. wfo--0001289327..... | 362 |
| <i>Opuntia affinis</i> Griffiths wfo--0001289878..... | 275 | <i>Opuntia apurimacensis</i> (F.Ritter) R.Crook & Mottram wfo-- -0001254408..... | 263 |
| <i>Opuntia aggeria</i> Ralston & Hilsenb. wfo--0001288274..... | 147 | <i>Opuntia aquosa</i> F.A.C.Weber wfo--0000386670..... | 305 |
| <i>Opuntia agglomerata</i> A.Berger wfo--0001289664..... | 147 | <i>Opuntia araucana</i> (A.Cast.) Kiessling wfo--0000386669..... | 317 |
| <i>Opuntia airampo</i> Phil. wfo--0000386659..... | 405 | <i>Opuntia arborea</i> (Vell.) Steud. wfo--0000386668..... | 33 |
| <i>Opuntia alamosensis</i> Britton & Rose wfo--0001289596..... | 78 | <i>Opuntia arborea</i> Rojas Acosta wfo--0000386580..... | 421 |
| <i>Opuntia albicans</i> Salm-Dyck wfo--0000386650..... | 271 | <i>Opuntia arborescens</i> Engelm. wfo--0001287363..... | 75 |
| <i>Opuntia albicans</i> var. <i>laevior</i> Salm-Dyck wfo--0001433060 | 271 | <i>Opuntia arborescens</i> var. <i>versicolor</i> (Engelm. ex J.M.Coult.) Dams wfo--0001289607..... | 78 |
| <i>Opuntia albiflora</i> K.Schum. wfo--0001288628..... | 333 | <i>Opuntia arbuscula</i> Engelm. wfo--0000386614..... | 73 |
| <i>Opuntia albisaetacens</i> Backeb. wfo--0001289120..... | 7 | <i>Opuntia arcei</i> Cárdenas wfo--0001288169..... | 272 |
| <i>Opuntia albisaetacens</i> var. <i>robustior</i> Backeb. wfo-- 0001433061..... | 7 | <i>Opuntia archiconoidea</i> (F.Ritter) D.R.Hunt wfo-- 0001252364..... | 195 |
| <i>Opuntia albisetosa</i> Hildm. ex Hirscht wfo--0000386657 | 273 | <i>Opuntia arechavaletae</i> Speg. wfo--0001433069..... | 257 |
| <i>Opuntia albispinosa</i> Mieckley ex Lindemuth & Dams wfo-- 0000386656..... | 421 | <i>Opuntia arechavaletai</i> Speg. wfo--0001289328..... | 257 |
| <i>Opuntia alcahes</i> F.A.C.Weber wfo--0000386655..... | 73 | <i>Opuntia arenaria</i> Engelm. wfo--0001287219..... | 257 |
| <i>Opuntia alcerrecensis</i> Iliff wfo--0000386654..... | 7 | <i>Opuntia argentina</i> Griseb. wfo--0001288682..... | 34 |
| <i>Opuntia alexanderi</i> Britton & Rose wfo--0001219723..... | 362 | <i>Opuntia arizonica</i> Griffiths wfo--0000386507..... | 262 |
| <i>Opuntia alexanderi</i> var. <i>bruchii</i> (Speg.) G.D.Rowley wfo-- 0001433062..... | 362 | <i>Opuntia arkansana</i> Engelm. ex Hirscht wfo--0000386506 | 263 |
| <i>Opuntia alexanderi</i> var. <i>subsphaerica</i> (Backeb.) G.D.Rowley wfo--0001433063..... | 362 | <i>Opuntia armata</i> Backeb. wfo--0001252130..... | 7 |
| <i>Opuntia alfagayucca</i> Karw. ex Salm-Dyck wfo-- 0000386652..... | 263 | <i>Opuntia armata</i> var. <i>panellana</i> Backeb. wfo--0000390520 | 8 |
| <i>Opuntia alko-tuna</i> Cárdenas wfo--0001288155..... | 261 | <i>Opuntia arrastradillo</i> Backeb. wfo--0001289912..... | 269 |
| <i>Opuntia allairei</i> Griffiths wfo--0001289833..... | 265 | <i>Opuntia articulata</i> (Pfeiff.) D.R.Hunt wfo--0001254409..... | 362 |
| <i>Opuntia alpicola</i> K.Schum. ex Dams wfo--0000386651..... | 405 | <i>Opuntia asplundii</i> (Backeb.) G.D.Rowley wfo--0000386505 | 69 |
| <i>Opuntia alpina</i> Gillies ex Pfeiff. wfo--0000386674..... | 197 | <i>Opuntia assumptionis</i> K.Schum. wfo--0001254410..... | 272 |
| <i>Opuntia alta</i> Griffiths wfo--0001289620..... | 262 | <i>Opuntia atacamensis</i> Phil. wfo--0000386499..... | 195 |
| <i>Opuntia altomagdalenensis</i> Xhonneux wfo--0000507710 | 257 | <i>Opuntia atrispina</i> Griffiths wfo--0001287418..... | 257 |
| <i>Opuntia amarilla</i> Griffiths wfo--0000386658..... | 421 | <i>Opuntia atropensis</i> Small wfo--0001287475..... | 258 |
| <i>Opuntia ambigua</i> Link ex Ten. wfo--0000386675..... | 421 | <i>Opuntia atroglobosa</i> (Backeb. ex F.Ritter) R.Crook & Mottram wfo--0001252212..... | 363 |
| <i>Opuntia ammophila</i> Small wfo--0001287482..... | 258 | <i>Opuntia atropes</i> Rose wfo--0001289873..... | 275 |
| <i>Opuntia amyclaea</i> Ten. wfo--0000386676..... | 263 | <i>Opuntia atrovirens</i> Speg. wfo--0000386509..... | 267 |
| <i>Opuntia anacantha</i> Speg. wfo--0001289326..... | 257 | <i>Opuntia atroviridis</i> f. <i>longicylindrica</i> (Rauh & Backeb.) Krainz wfo--0001433070..... | 18 |
| <i>Opuntia anacantha</i> var. <i>anacantha</i> wfo--0001434900..... | 257 | <i>Opuntia atroviridis</i> f. <i>parviflora</i> (Rauh & Backeb.) Krainz wfo--0001433071..... | 18 |
| <i>Opuntia anacantha</i> var. <i>kiska-loro</i> (Speg.) R.Kiesling wfo-- 0001433064..... | 257 | <i>Opuntia atroviridis</i> f. <i>paucispina</i> (Rauh & Backeb.) Krainz wfo--0001433072..... | 18 |
| | | <i>Opuntia atroviridis</i> Werderm. & Backeb. wfo-- 0001287767..... | 17 |

| | |
|---|-----|
| <i>Opuntia auberi</i> Pfeiff. wfo--0001289917 | 257 |
| <i>Opuntia aulacothele</i> F.A.C.Weber wfo--0000386502 | 8 |
| <i>Opuntia aurantiaca</i> Lindl. wfo--0001287228 | 257 |
| <i>Opuntia aurea</i> E.M.Baxter wfo--0001286990 | 258 |
| <i>Opuntia aureispina</i> (S.Brack & K.D.Heil) Pinkava & B.D.Parfitt wfo--0001254412 | 258 |
| <i>Opuntia australis</i> F.A.C.Weber wfo--0000386500 | 317 |
| <i>Opuntia austrina</i> Small wfo--0001287480 | 258 |
| <i>Opuntia ayrampo</i> (Azara) Mottram wfo--0000386517 | 7 |
| <i>Opuntia azurea</i> Rose wfo--0001289855 | 258 |
| <i>Opuntia azurea</i> var. <i>aureispina</i> (S.Brack & K.D.Heil) A.M.Powell & Weedin wfo--0001433073 | 258 |
| <i>Opuntia azurea</i> var. <i>azurea</i> wfo--0001434901 | 258 |
| <i>Opuntia azurea</i> var. <i>diplopurpurea</i> A.M.Powell & Weedin wfo--0001433074 | 258 |
| <i>Opuntia azurea</i> var. <i>discolor</i> Weedin wfo--0001433075 | 258 |
| <i>Opuntia azurea</i> var. <i>parva</i> A.M.Powell & Weedin wfo-- 0001433076 | 258 |
| <i>Opuntia backebergii</i> G.D.Rowley wfo--0001252214 | 69 |
| <i>Opuntia bahamana</i> Britton & Rose wfo--0000386525 | 258 |
| <i>Opuntia bahiensis</i> Britton & Rose wfo--0001288683 | 33 |
| <i>Opuntia bakeri</i> Madsen wfo--0001289370 | 257 |
| <i>Opuntia balearica</i> F.A.C.Weber ex Hirscht wfo-- 0000386521 | 273 |
| <i>Opuntia ballii</i> Rose wfo--0001289826 | 270 |
| <i>Opuntia barbata</i> K.Brandege ex J.A.Purpus wfo-- 0000386522 | 269 |
| <i>Opuntia barbata</i> var. <i>gracillima</i> K.Brandege ex J.A.Purpus wfo--0001433077 | 269 |
| <i>Opuntia barkleyana</i> (Daston) G.D.Rowley wfo-- 0000386524 | 253 |
| <i>Opuntia bartramii</i> Raf. wfo--0000386679 | 273 |
| <i>Opuntia basilaris</i> Engelm. & J.M.Bigelow wfo-- 0001286991 | 258 |
| <i>Opuntia basilaris</i> subsp. <i>brachyclada</i> (Griffiths) Guiggi wfo-- 0001433078 | 258 |
| <i>Opuntia basilaris</i> subsp. <i>treleasei</i> (J.M.Coult.) Guiggi wfo-- 0001433079 | 258 |
| <i>Opuntia basilaris</i> subsp. <i>whitneyana</i> (E.M.Baxter) Munz wfo--0001433080 | 258 |
| <i>Opuntia basilaris</i> var. <i>albiflora</i> (E.M.Baxter) W.T.Marshall & T.M.Bock wfo--0001433081 | 258 |
| <i>Opuntia basilaris</i> var. <i>albiflora</i> Walton wfo--0001433082 | 258 |
| <i>Opuntia basilaris</i> var. <i>aurea</i> (E.M.Baxter) W.T.Marshall wfo--0001266530 | 258 |
| <i>Opuntia basilaris</i> var. <i>basilaris</i> wfo--0001287330 | 258 |
| <i>Opuntia basilaris</i> var. <i>brachyclada</i> (Griffiths) Munz wfo-- 0001287351 | 258 |
| <i>Opuntia basilaris</i> var. <i>cordata</i> Fobe wfo--0001433083 | 258 |
| <i>Opuntia basilaris</i> var. <i>heilii</i> S.L.Welsh & Neese wfo-- 0001433084 | 258 |
| <i>Opuntia basilaris</i> var. <i>humistrata</i> (Griffiths) W.T.Marshall wfo--0001289690 | 258 |
| <i>Opuntia basilaris</i> var. <i>longiareolata</i> (Clover & Jotter) L.D.Benson wfo--0001263370 | 258 |
| <i>Opuntia basilaris</i> var. <i>ramosa</i> Parish wfo--0001287328258 | |
| <i>Opuntia basilaris</i> var. <i>treleasei</i> (J.M.Coult.) J.M.Coult. ex Toumey wfo--0001287352 | 258 |
| <i>Opuntia basilaris</i> var. <i>whitneyana</i> (E.M.Baxter) W.T.Marshall & T.M.Bock wfo--0001433085 | 258 |
| <i>Opuntia basilaris</i> var. <i>woodburyi</i> W.H.Earle wfo-- 0001433086 | 269 |
| <i>Opuntia beckeriana</i> K.Schum. wfo--0000386678 | 259 |
| <i>Opuntia bella</i> Britton & Rose wfo--0000386677 | 269 |
| <i>Opuntia bensonii</i> Sánchez-Mej. wfo--0001289868 | 262 |
| <i>Opuntia bentonii</i> Griffiths wfo--0001287485 | 273 |
| <i>Opuntia bergeriana</i> F.A.C.Weber ex A.Berger wfo-- 0000386510 | 261 |
| <i>Opuntia bernardina</i> Engelm. ex Parish wfo--0001287364 | 73 |
| <i>Opuntia berteroi</i> (Colla) A.E.Hoffm. wfo--0000386520 | 125 |
| <i>Opuntia bicolor</i> Phil. wfo--0001257593 | 16 |
| <i>Opuntia bigelovii</i> Engelm. wfo--0000386516 | 73 |
| <i>Opuntia bigelovii</i> Engelm. wfo--0001433087 | 73 |
| <i>Opuntia bigelovii</i> var. <i>ciribe</i> W.T.Marshall wfo-- 0001263371 | 74 |
| <i>Opuntia bigelovii</i> var. <i>hoffmannii</i> Fosberg wfo-- 0000390524 | 73 |
| <i>Opuntia bisetosa</i> Pittier wfo--0000386515 | 259 |
| <i>Opuntia bispinosa</i> Backeb. wfo--0001284334 | 406 |
| <i>Opuntia blakeana</i> Rose wfo--0000386514 | 268 |
| <i>Opuntia blancii</i> (Backeb.) G.D.Rowley wfo--0001287971 | 17 |
| <i>Opuntia boldinghii</i> Britton & Rose wfo--0000386513 | 258 |
| <i>Opuntia boliviana</i> Salm-Dyck wfo--0001289121 | 69 |
| <i>Opuntia boliviensis</i> Backeb. wfo--0001289122 | 7 |
| <i>Opuntia bonaerensis</i> Speg. wfo--0001289329 | 259 |
| <i>Opuntia bonnieae</i> (D.J.Ferguson & R.Kiesling) Halda & Janeba wfo--0000386511 | 363 |
| <i>Opuntia bonplandii</i> (Kunth) F.A.C.Weber wfo-- 0001289985 | 259 |
| <i>Opuntia borinquensis</i> Britton & Rose wfo--0000386518 | 271 |
| <i>Opuntia brachyacantha</i> (F.Ritter) R.Crook & Mottram wfo-- 0000386503 | 273 |
| <i>Opuntia brachyarthra</i> Engelm. & J.M.Bigelow wfo-- 0001289668 | 264 |
| <i>Opuntia brachyclada</i> Griffiths wfo--0001287331 | 258 |
| <i>Opuntia brachyclada</i> subsp. <i>humistrata</i> (Griffiths) Wiggins & C.B.Wolf wfo--0001287332 | 258 |
| <i>Opuntia brachydelphis</i> K.Schum. wfo--0000386482 | 406 |
| <i>Opuntia brachydelphys</i> (K.Schum.) K.Schum. wfo-- 0001433088 | 194 |
| <i>Opuntia brachyrhopalica</i> (Daston) G.D.Rowley wfo-- 0000386481 | 253 |
| <i>Opuntia bradleyi</i> G.D.Rowley wfo--0001288633 | 17 |
| <i>Opuntia bradtiana</i> (J.M.Coult.) K.Brandege wfo-- 0001289616 | 147 |
| <i>Opuntia brandegeei</i> K.Schum. wfo--0001257155 | 306 |
| <i>Opuntia brasiliensis</i> (Willd.) Haw. wfo--0000386479 | 33 |
| <i>Opuntia brasiliensis</i> subsp. <i>bahiensis</i> (Britton & Rose) P.J.Braun & Esteves wfo--0001263000 | 33 |
| <i>Opuntia brasiliensis</i> subsp. <i>subacarpa</i> (Rizzini & A.Mattos) P.J.Braun & Esteves wfo--0001263002 | 34 |
| <i>Opuntia bravoana</i> Baxter wfo--0001289871 | 259 |
| <i>Opuntia brevispina</i> H.E.Gates wfo--0001289614 | 73 |
| <i>Opuntia brittonii</i> G.J.Ortega wfo--0001288069 | 77 |
| <i>Opuntia bruchii</i> f. <i>brachyacantha</i> Speg. wfo--0001433089 | 362 |
| <i>Opuntia bruchii</i> f. <i>macracantha</i> Speg. wfo--0001433090 | 362 |
| <i>Opuntia bruchii</i> Speg. wfo--0001289331 | 362 |

| | | | |
|--|-----|--|----------|
| <i>Opuntia brunneogemma</i> (F.Ritter) Schlindw. wfo-- 0000386478..... | 267 | <i>Opuntia chilensis</i> (Backeb.) G.D.Rowley wfo--0000386579 | 196 |
| <i>Opuntia brunnescens</i> Britton & Rose wfo--0000386483 | 273 | <i>Opuntia chinensis</i> (Roxb.) K.Koch wfo--0001254582 | 273 |
| <i>Opuntia bulbispina</i> Engelm. wfo--0001289661 | 147 | <i>Opuntia chisosensis</i> (M.S.Anthony) D.J.Ferguson wfo-- 0001287210 | 259 |
| <i>Opuntia burrageana</i> Britton & Rose wfo--0001289606 .. | 73 | <i>Opuntia chlorotica</i> Engelm. & J.M.Bigelow wfo-- 0001286992 | 259 |
| <i>Opuntia cacanapa</i> Griffiths & Hare wfo--0001289618. | 262 | <i>Opuntia chlorotica</i> var. <i>gosseliniana</i> (F.A.C.Weber) D.J.Ferguson wfo--0001433096 | 264 |
| <i>Opuntia caerulea</i> Griffiths wfo--0001289591 | 76 | <i>Opuntia chlorotica</i> var. <i>santarita</i> Griffiths & Hare wfo-- 0001289838 | 272 |
| <i>Opuntia caesia</i> Griffiths wfo--0000386475 | 262 | <i>Opuntia chlorotica</i> var. <i>santa-rita</i> Griffiths & Hare wfo-- 0001433097 | 264 |
| <i>Opuntia caespitosa</i> Poepp. wfo--0001433091 | 194 | <i>Opuntia cholla</i> F.A.C.Weber wfo--0000390527 | 74 |
| <i>Opuntia caespitosa</i> Raf. wfo--0001289829 | 263 | <i>Opuntia chuquisacana</i> Cárdenas wfo--0001288154 | 19 |
| <i>Opuntia calacantha</i> Forbes ex W.H.Baxter wfo-- 0000386474..... | 421 | <i>Opuntia cineracea</i> Wiggins wfo--0001288067..... | 78 |
| <i>Opuntia calantha</i> Griffiths wfo--0000386473 | 8 | <i>Opuntia ciribe</i> Engelm. wfo--0001289124 | 74 |
| <i>Opuntia calcicola</i> Wherry wfo--0001287365 | 265 | <i>Opuntia clarkiorum</i> Rebman wfo--0001433098 | 259 |
| <i>Opuntia californica</i> (Torr. & A.Gray) Coville wfo-- 0001289602..... | 74 | <i>Opuntia clavarioides</i> f. <i>cristata</i> Schelle wfo--0001433099 | 195 |
| <i>Opuntia californica</i> var. <i>parkeri</i> (J.M.Coult.) Pinkava wfo-- 0001243711..... | 73 | <i>Opuntia clavarioides</i> Hort.Berol. ex Pfeiff. wfo-- 0001288629 | 194, 195 |
| <i>Opuntia calmalliana</i> J.M.Coult. wfo--0001289599..... | 74 | <i>Opuntia clavarioides</i> var. <i>ruiz-lealii</i> (A.Cast.) G.D.Rowley wfo--0001433100 | 195 |
| <i>Opuntia calva</i> Lem. wfo--0000386492 | 363 | <i>Opuntia clavata</i> Engelm. wfo--0001287117 | 148 |
| <i>Opuntia camacho</i> Espinosa wfo--0000386476..... | 195 | <i>Opuntia clavellina</i> Engelm. ex J.M.Coult. wfo-- 0001289598 | 77 |
| <i>Opuntia camanchica</i> Engelm. & J.M.Bigelow wfo-- 0001239482..... | 269 | <i>Opuntia coccinea</i> Pfeiff. wfo--0000386575 | 274 |
| <i>Opuntia campestris</i> Britton & Rose wfo--0001287455 .. | 71 | <i>Opuntia coccinellifera</i> Steud. wfo--0000386581..... | 259 |
| <i>Opuntia camuessa</i> F.A.C.Weber wfo--0001289906 | 271 | <i>Opuntia cochabambensis</i> Cárdenas wfo--0001289123 | 334 |
| <i>Opuntia canada</i> Griffiths wfo--0001287116 | 268 | <i>Opuntia cochenillifera</i> (L.) Mill. wfo--0001433101 | 259 |
| <i>Opuntia candelabrififormis</i> Pfeiff. wfo--0001262825..... | 272 | <i>Opuntia cochenillifera</i> DC. wfo--0000386573 | 259 |
| <i>Opuntia candelabrififormis</i> var. <i>rigidior</i> Salm-Dyck wfo-- 0001433092..... | 272 | <i>Opuntia cochenillifera</i> (L.) Mill. wfo--0000386572 | 259 |
| <i>Opuntia canina</i> Speg. wfo--0001289333..... | 257 | <i>Opuntia coerulea</i> Gillies ex Pfeiff. wfo--0000386571 ... | 273 |
| <i>Opuntia cantabrigiensis</i> Lynch wfo--0001287487 | 261 | <i>Opuntia cognata</i> (F.Ritter) P.J.Braun & Esteves wfo-- 0001256447 | 272 |
| <i>Opuntia canterae</i> Arechav. wfo--0000386497 | 259 | <i>Opuntia coindetti</i> F.A.C.Weber wfo--0000390526..... | 272 |
| <i>Opuntia caracasana</i> Salm-Dyck wfo--0000386496..... | 259 | <i>Opuntia colorea</i> (F.Ritter) D.R.Hunt wfo--0001252366 | 195 |
| <i>Opuntia cardenche</i> Griffiths wfo--0001289608..... | 76 | <i>Opuntia colubrina</i> A.Cast. wfo--0001288631..... | 260 |
| <i>Opuntia cardiosperma</i> K.Schum. wfo--0001254413 | 261 | <i>Opuntia comanchica</i> Urlandt wfo--0001433102 | 268 |
| <i>Opuntia cardona</i> F.A.C.Weber wfo--0001289898 | 272 | <i>Opuntia comonduensis</i> (J.M.Coult.) Britton & Rose wfo-- 0001289801 | 260 |
| <i>Opuntia cardonae</i> F.A.C.Weber wfo--0001433093 | 272 | <i>Opuntia compressa</i> J.F.Macbr. wfo--0001287344 | 263 |
| <i>Opuntia caribaea</i> Britton & Rose wfo--0000386495..... | 74 | <i>Opuntia compressa</i> var. <i>allaiei</i> (Griffiths) D.Weniger wfo-- 0001219721 | 265 |
| <i>Opuntia carnosae</i> A.Usteri wfo--0000386494..... | 421 | <i>Opuntia compressa</i> var. <i>ammophila</i> (Small) L.D.Benson wfo--0001433103 | 258 |
| <i>Opuntia carolina</i> J.Forbes wfo--0000386484 | 406 | <i>Opuntia compressa</i> var. <i>austrina</i> (Small) L.D.Benson wfo-- 0001287428 | 258 |
| <i>Opuntia castillae</i> Griffiths wfo--0001289627 | 272 | <i>Opuntia compressa</i> var. <i>fuscoatra</i> (Engelm.) D.Weniger wfo--0001289834 | 266 |
| <i>Opuntia catingicola</i> Werderm. wfo--0001263005 | 361 | <i>Opuntia compressa</i> var. <i>humifusa</i> (Raf.) D.Weniger wfo-- 0001433104 | 264 |
| <i>Opuntia catocantha</i> Pfeiff. wfo--0000386491..... | 56 | <i>Opuntia compressa</i> var. <i>macrorhiza</i> (Engelm.) L.D.Benson wfo--0001289810 | 266 |
| <i>Opuntia cedergreniana</i> Backeb. wfo--0000386490..... | 7 | <i>Opuntia compressa</i> var. <i>microsperma</i> L.D.Benson wfo-- 0001433105 | 259 |
| <i>Opuntia cereiformis</i> F.A.C.Weber wfo--0001289615 | 147 | <i>Opuntia compressa</i> var. <i>stenochila</i> (Engelm. & J.M.Bigelow) D.Weniger wfo--0001289812 | 266 |
| <i>Opuntia cespitosa</i> Raf. wfo--0001433094 | 259 | <i>Opuntia confusa</i> Griffiths wfo--0000386591 | 269 |
| <i>Opuntia chaetocarpa</i> Griffiths wfo--0000386488 | 265 | <i>Opuntia congesta</i> Griffiths wfo--0001287366 | 76 |
| <i>Opuntia chaffeyi</i> Britton & Rose wfo--0001289666 | 259 | | |
| <i>Opuntia chakensis</i> Speg. wfo--0001289334 | 261 | | |
| <i>Opuntia chapistla</i> F.A.C.Weber wfo--0001288061 | 306 | | |
| <i>Opuntia chata</i> Griffiths wfo--0000386485 | 421 | | |
| <i>Opuntia chavena</i> Griffiths wfo--0001289630 | 265 | | |
| <i>Opuntia chella</i> F.A.C.Weber wfo--0001433095..... | 421 | | |
| <i>Opuntia chiangiana</i> Scheinvar & Manzanero wfo-- 0001033174..... | 406 | | |
| <i>Opuntia chichensis</i> (Cárdenas) G.D.Rowley wfo-- 0001250930..... | 70 | | |
| <i>Opuntia chichensis</i> var. <i>colchana</i> (Cárdenas) G.D.Rowley wfo--0001284300..... | 70 | | |
| <i>Opuntia chihuahuensis</i> Rose wfo--0001287220..... | 268 | | |

| | | | |
|---|-----|--|-----|
| <i>Opuntia conjungens</i> (F.Ritter) P.J.Braun & Esteves wfo--0001256449..... | 334 | <i>Opuntia cyclodes</i> (Engelm. & J.M.Bigelow) Rose wfo--0001289851..... | 268 |
| <i>Opuntia conoidea</i> (F.Ritter ex Backeb.) G.D.Rowley wfo--0001256450..... | 195 | <i>Opuntia cylindriculata</i> (Cárdenas) G.D.Rowley wfo--0001252215..... | 70 |
| <i>Opuntia convexa</i> Mackensen wfo--0000386395..... | 262 | <i>Opuntia cylindrica</i> (Lam.) DC. wfo--0001287431..... | 17 |
| <i>Opuntia corallicola</i> (Small) Werderm. wfo--0001250592..... | 55 | <i>Opuntia cylindrolanata</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287977..... | 18 |
| <i>Opuntia cordobensis</i> Speg. wfo--0001287118..... | 263 | <i>Opuntia cymochila</i> Engelm. & J.M.Bigelow wfo--0001287367..... | 260 |
| <i>Opuntia corotilla</i> K.Schum. ex Vaupel wfo--0001287972..... | 70 | <i>Opuntia dactylifera</i> Vaupel wfo--0001288008..... | 70 |
| <i>Opuntia corotilla</i> var. <i>aurantiaciflora</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287973..... | 70 | <i>Opuntia darrahiana</i> F.A.C.Weber wfo--0000386532..... | 266 |
| <i>Opuntia corrugata</i> (Salm-Dyck) Backeb. wfo--0001433106..... | 7 | <i>Opuntia darwinii</i> Hensl. wfo--0000386531..... | 195 |
| <i>Opuntia corrugata</i> Hort.Angl. ex Otto wfo--0001433107..... | 7 | <i>Opuntia darwinii</i> var. <i>hickenii</i> (Britton & Rose) Kiessling wfo--0001433119..... | 196 |
| <i>Opuntia corrugata</i> Salm-Dyck wfo--0000386086..... | 7 | <i>Opuntia davisii</i> Engelm. & J.M.Bigelow wfo--0000386529..... | 74 |
| <i>Opuntia corrugata</i> subsp. <i>brevispina</i> (Backeb.) Mottram wfo--0001433108..... | 8 | <i>Opuntia deamii</i> Rose wfo--0000386528..... | 260 |
| <i>Opuntia corrugata</i> var. <i>brevispina</i> Backeb. wfo--0001433109..... | 8 | <i>Opuntia decipiens</i> DC. wfo--0000386555..... | 75 |
| <i>Opuntia corrugata</i> var. <i>flavidispina</i> Backeb. wfo--0001433110..... | 8 | <i>Opuntia decumana</i> (Willd.) Haw. wfo--0000386568..... | 263 |
| <i>Opuntia corrugata</i> var. <i>intermedia</i> Backeb. wfo--0001433111..... | 8 | <i>Opuntia decumbens</i> Salm-Dyck wfo--0000386535..... | 260 |
| <i>Opuntia corrugata</i> var. <i>monvillei</i> Salm-Dyck wfo--0001433112..... | 8 | <i>Opuntia decumbens</i> var. <i>longispina</i> Eichlam wfo--0001433120..... | 260 |
| <i>Opuntia costigera</i> Miq. wfo--0000386147..... | 75 | <i>Opuntia decumbens</i> var. <i>scheinvariana</i> E.Paniagua wfo--0001257156..... | 260 |
| <i>Opuntia covillei</i> Britton & Rose wfo--0001287336..... | 274 | <i>Opuntia deflexa</i> Lem. wfo--0000386559..... | 267 |
| <i>Opuntia crassa</i> Haw. wfo--0001289890..... | 263 | <i>Opuntia dejecta</i> Salm-Dyck wfo--0000386560..... | 260 |
| <i>Opuntia crassa</i> var. <i>major</i> Pfeiff. wfo--0001433113..... | 263 | <i>Opuntia delaetiana</i> (F.A.C.Weber) Vaupel wfo--0001289335..... | 261 |
| <i>Opuntia crassicylindrica</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287974..... | 72 | <i>Opuntia delafuentiana</i> Martínez-Gonz., Luna-Vega, Gallegos & García-Sand. wfo--0001433121..... | 260 |
| <i>Opuntia crassispina</i> (F.Ritter) D.R.Hunt wfo--0001252368..... | 195 | <i>Opuntia delicata</i> Rose wfo--0001289827..... | 270 |
| <i>Opuntia cretochaeta</i> Griffiths wfo--0001289897..... | 265 | <i>Opuntia deltica</i> Griffiths wfo--0000386561..... | 262 |
| <i>Opuntia crinifera</i> Salm-Dyck ex Pfeiff. wfo--0000386145..... | 268 | <i>Opuntia demorenia</i> Forbes wfo--0000386563..... | 406 |
| <i>Opuntia crinifera</i> var. <i>lanigera</i> Pfeiff. wfo--0001433114..... | 268 | <i>Opuntia demoriana</i> C.F.Först. wfo--0000386556..... | 406 |
| <i>Opuntia crispicrinita</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287975..... | 18 | <i>Opuntia densiaculeata</i> (Backeb.) G.D.Rowley wfo--0000386564..... | 400 |
| <i>Opuntia crispicrinita</i> subvar. <i>flavicomma</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433115..... | 17 | <i>Opuntia densispina</i> Ralston & Hilsenb. wfo--0001289427..... | 148 |
| <i>Opuntia crispicrinita</i> var. <i>cylindracea</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287976..... | 18 | <i>Opuntia denudata</i> F.A.C.Weber wfo--0000390502..... | 363 |
| <i>Opuntia crispicrinita</i> var. <i>tortispina</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433116..... | 17 | <i>Opuntia depauperata</i> Britton & Rose wfo--0000386565..... | 260 |
| <i>Opuntia cristata</i> Salm-Dyck wfo--0000386576..... | 75 | <i>Opuntia deppei</i> H.L.Wendl. ex C.F.Först. wfo--0000386567..... | 406 |
| <i>Opuntia cruciata</i> Pfeiff. wfo--0000386593..... | 56 | <i>Opuntia depressa</i> Rose wfo--0001289688..... | 260 |
| <i>Opuntia crystalenia</i> Griffiths wfo--0001289903..... | 260 | <i>Opuntia diademata</i> f. <i>calva</i> (Lem.) Schelle wfo--0001433122..... | 363 |
| <i>Opuntia cubensis</i> Britton & Rose wfo--0001262052..... | 260 | <i>Opuntia diademata</i> Lem. wfo--0001038966..... | 362 |
| <i>Opuntia cucumiformis</i> Griffiths wfo--0000386594..... | 69 | <i>Opuntia diademata</i> var. <i>calva</i> (Lem.) F.A.C.Weber ex K.Schum. wfo--0001433123..... | 363 |
| <i>Opuntia cuija</i> (Griffiths & Hare) Britton & Rose wfo--0001289867..... | 260 | <i>Opuntia diademata</i> var. <i>inermis</i> Speg. wfo--0001433124..... | 363 |
| <i>Opuntia cumulicola</i> Small wfo--0001287481..... | 258 | <i>Opuntia diademata</i> var. <i>oligacantha</i> Speg. wfo--0001038967..... | 196 |
| <i>Opuntia curassavica</i> (L.) Mill. wfo--0000386595..... | 260 | <i>Opuntia diademata</i> var. <i>polyacantha</i> Speg. wfo--0001433125..... | 363 |
| <i>Opuntia curassavica</i> var. <i>colombiana</i> Backeb. wfo--0001433117..... | 260 | <i>Opuntia dichotoma</i> J.Forbes wfo--0000386562..... | 406 |
| <i>Opuntia curassavica</i> var. <i>longa</i> Haw. wfo--0001433118..... | 260 | <i>Opuntia diffusa</i> Pfeiff. wfo--0000386554..... | 260 |
| <i>Opuntia curvispina</i> Griffiths wfo--0001279136..... | 260 | <i>Opuntia digitalis</i> F.A.C.Weber wfo--0000386553..... | 364 |
| <i>Opuntia cyanea</i> Griffiths wfo--0000386596..... | 421 | <i>Opuntia diguetii</i> F.A.C.Weber wfo--0000386552..... | 305 |
| <i>Opuntia cyanella</i> Griffiths wfo--0000386598..... | 262 | <i>Opuntia dillei</i> Griffiths wfo--0001287120..... | 262 |
| | | <i>Opuntia dillenii</i> (Ker Gawl.) Haw. wfo--0000386551..... | 273 |

| | |
|--|--|
| <i>Opuntia dillenii</i> var. <i>minor</i> Salm-Dyck wfo--0001433126 273 | <i>Opuntia echios</i> var. <i>zacana</i> (J.T.Howell) E.F.Anderson & Walk. wfo--0001289393 261 |
| <i>Opuntia dillenii</i> var. <i>orbiculata</i> Salm-Dyck wfo-- 0001433127..... 273 | <i>Opuntia effulgia</i> Griffiths wfo--0000385773..... 421 |
| <i>Opuntia dillenii</i> var. <i>reitzii</i> Scheinvar wfo--0001433128 273 | <i>Opuntia eichlamii</i> Rose wfo--0001287072..... 261 |
| <i>Opuntia dillenii</i> var. <i>tehuantepecana</i> Bravo wfo-- 0001289859..... 273 | <i>Opuntia ekmanii</i> Werderm. wfo--0000385772..... 260 |
| <i>Opuntia dimorpha</i> C.F.Först. wfo--0000386545..... 71 | <i>Opuntia elata</i> Link & Otto ex Salm-Dyck wfo--0001289105 261 |
| <i>Opuntia dimorpha</i> var. <i>pseudorauppiana</i> (Backeb.) G.D.Rowley wfo--0001433129 71 | <i>Opuntia elata</i> subsp. <i>bonaerensis</i> (Speg.) Guiggi wfo-- 0001433137 259 |
| <i>Opuntia diplacantha</i> A.Berger wfo--0000386544 272 | <i>Opuntia elata</i> var. <i>cardiosperma</i> (K.Schum.) R.Kiesling wfo-- --0001042472..... 261 |
| <i>Opuntia diploursina</i> Stock, N.Hussey & Beckstrom wfo-- 0001433130..... 270 | <i>Opuntia elata</i> var. <i>delatiana</i> F.A.C.Weber wfo-- 0001433138 261 |
| <i>Opuntia discata</i> Griffiths wfo--0001287036..... 262 | <i>Opuntia elata</i> var. <i>delaitiana</i> F.A.C.Weber wfo-- 0001279694 261 |
| <i>Opuntia discolor</i> Britton & Rose wfo--0001249874 260 | <i>Opuntia elata</i> var. <i>elata</i> wfo--0001433139..... 261 |
| <i>Opuntia distans</i> Britton & Rose wfo--0001289336 271 | <i>Opuntia elata</i> var. <i>oblongata</i> E.Walther wfo--0001433140 261 |
| <i>Opuntia diversispina</i> Griffiths wfo--0000385782 406 | <i>Opuntia elata</i> var. <i>obovata</i> E.Walther wfo--0001433141 271 |
| <i>Opuntia dobbieana</i> Britton & Rose wfo--0001289373.. 272 | <i>Opuntia elatior</i> Mill. wfo--0000385771 261 |
| <i>Opuntia dolabriformis</i> Pfeiff. wfo--0000385781 56 | <i>Opuntia elizondoana</i> E.Sánchez & Villaseñor wfo-- 0001256454 261 |
| <i>Opuntia domeykoensis</i> (F.Ritter) D.R.Hunt wfo-- 0001252370..... 195 | <i>Opuntia ellemeetiana</i> Miq. wfo--0001289374..... 19 |
| <i>Opuntia domingensis</i> Britton & Rose wfo--0000385780 260 | <i>Opuntia ellemetiana</i> Miq. wfo--0001433142 19 |
| <i>Opuntia drummondii</i> Graham wfo--0001287369..... 260 | <i>Opuntia ellisiana</i> Griffiths wfo--0001257514..... 261 |
| <i>Opuntia dulcis</i> Engelm. wfo--0001287368 269 | <i>Opuntia elongata</i> (Willd.) Haw. wfo--0000385776..... 263 |
| <i>Opuntia dumetorum</i> A.Berger wfo--0001289665 271 | <i>Opuntia elongata</i> var. <i>laevior</i> Salm-Dyck wfo-- 0001433143 263 |
| <i>Opuntia durangensis</i> Britton & Rose wfo--0001287071 265 | <i>Opuntia emoryi</i> Engelm. wfo--0001288369..... 148 |
| <i>Opuntia duvalioides</i> (Backeb.) G.D.Rowley wfo-- 0000385779..... 70 | <i>Opuntia engelmannii</i> f. <i>littoralis</i> (Engelm.) Schelle wfo-- 0001433144 266 |
| <i>Opuntia duvalioides</i> var. <i>albispina</i> (Backeb.) G.D.Rowley wfo--0001433131 70 | <i>Opuntia engelmannii</i> f. <i>occidentalis</i> (Engelm.) Schelle wfo-- -0001433145 261 |
| <i>Opuntia eborina</i> C.F.Först. ex Haage wfo--0000385778 ... 8 | <i>Opuntia engelmannii</i> Salm-Dyck ex Engelm. wfo-- 0001258261 261 |
| <i>Opuntia eburnea</i> Lem. wfo--0000385777 8 | <i>Opuntia engelmannii</i> subsp. <i>aciculata</i> (Griffiths) U.Guzmán & Mandujano wfo--0000385795 257 |
| <i>Opuntia eburnispina</i> Small wfo--0001287121..... 267 | <i>Opuntia engelmannii</i> subsp. <i>flavispina</i> (L.D.Benson) Guiggi wfo--0001433146 262 |
| <i>Opuntia echinacea</i> (F.Ritter) A.E.Hoffm. wfo--0000385775 70 | <i>Opuntia engelmannii</i> subsp. <i>lindheimeri</i> (Engelm.) U.Guzmán & Mandujano wfo--0001286440..... 262 |
| <i>Opuntia echinocarpa</i> Engelm. & J.M.Bigelow wfo-- 0000385783..... 74 | <i>Opuntia engelmannii</i> subsp. <i>occidentalis</i> Engelm. wfo-- 0001433147 261 |
| <i>Opuntia echinocarpa</i> var. <i>major</i> Engelm. & J.M.Bigelow wfo--0001289603..... 72 | <i>Opuntia engelmannii</i> subsp. <i>rastrera</i> (F.A.C.Weber) Guiggi wfo--0001433148 271 |
| <i>Opuntia echinocarpa</i> var. <i>nuda</i> J.M.Coult. wfo-- 0001248145..... 74 | <i>Opuntia engelmannii</i> var. <i>aciculata</i> (Griffiths) Bravo wfo-- 0001289626 257 |
| <i>Opuntia echinocarpa</i> var. <i>parkeri</i> J.M.Coult. wfo-- 0001287323..... 73 | <i>Opuntia engelmannii</i> var. <i>aciculata</i> (Griffiths) D.Weniger wfo--0000738983 257 |
| <i>Opuntia echinocarpa</i> var. <i>robustior</i> J.M.Coult. wfo-- 0001434902..... 72 | <i>Opuntia engelmannii</i> var. <i>alta</i> (Griffiths) D.Weniger wfo-- 0001289624 262 |
| <i>Opuntia echinocarpa</i> var. <i>wolfii</i> L.D.Benson wfo-- 0000390503..... 79 | <i>Opuntia engelmannii</i> var. <i>cacanapa</i> (Griffiths & Hare) D.Weniger wfo--0001289625 262 |
| <i>Opuntia echios</i> Howell wfo--0001289389 260 | <i>Opuntia engelmannii</i> var. <i>cuija</i> Griffiths & Hare wfo-- 0001289866 260 |
| <i>Opuntia echios</i> subsp. <i>gigantea</i> J.T.Howell wfo-- 0001433132..... 264 | <i>Opuntia engelmannii</i> var. <i>cyclodes</i> Engelm. & J.M.Bigelow wfo--0001287370 268 |
| <i>Opuntia echios</i> var. <i>barringtonensis</i> E.Y.Dawson wfo-- 0001433133..... 260 | <i>Opuntia engelmannii</i> var. <i>discata</i> (Griffiths) A.Nelson wfo-- -0001289847 262 |
| <i>Opuntia echios</i> var. <i>echios</i> wfo--0001289390 261 | <i>Opuntia engelmannii</i> var. <i>dulcis</i> (Engelm.) J.M.Coult. ex K.Schum. wfo--0001289845..... 269 |
| <i>Opuntia echios</i> var. <i>gigantea</i> Howell wfo--0001289391 261 | |
| <i>Opuntia echios</i> var. <i>inermis</i> E.Y.Dawson wfo--0001433134 261 | |
| <i>Opuntia echios</i> var. <i>prolifera</i> E.Y.Dawson wfo-- 0001433135..... 261 | |
| <i>Opuntia echios</i> var. <i>typica</i> J.T.Howell wfo--0001433136 267 | |

| | | | |
|--|-----|---|----------|
| <i>Opuntia engelmannii</i> var. <i>engelmannii</i> wfo--0001289674 | 262 | <i>Opuntia exuviata</i> var. <i>stellata</i> (Salm-Dyck) Lem. ex Labour. wfo--0001262823 | 75 |
| <i>Opuntia engelmannii</i> var. <i>flavescens</i> (Peebles) L.D.Benson wfo--0001289853 | 262 | <i>Opuntia exuviata</i> var. <i>viridior</i> Salm-Dyck wfo-- 0001433156 | 78 |
| <i>Opuntia engelmannii</i> var. <i>flavispina</i> (L.D.Benson) B.D.Parfitt & Pinkava wfo--0001433149 | 262 | <i>Opuntia exuviatostellata</i> Lem. ex Labour. wfo-- 0000385790 | 75 |
| <i>Opuntia engelmannii</i> var. <i>floxospina</i> (Griffiths) B.D.Parfitt & Pinkava wfo--0000385800 | 262 | <i>Opuntia falcata</i> Ekman & Werderm. wfo--0000385789 .. | 55 |
| <i>Opuntia engelmannii</i> var. <i>laevis</i> (J.M.Coult.) Felger, Verrier & Carnahan wfo--0001433150 | 262 | <i>Opuntia feracantha</i> Britton & Rose wfo--0001256644 .. | 263 |
| <i>Opuntia engelmannii</i> var. <i>lindheimeri</i> (Engelm.) B.D.Parfitt & Pinkava wfo--0001288332 | 262 | <i>Opuntia feroacantha</i> Britton & Rose wfo--0001433157263 | |
| <i>Opuntia engelmannii</i> var. <i>linguiformis</i> (Griffiths) B.D.Parfitt & Pinkava wfo--0000386550 | 263 | <i>Opuntia ferocior</i> (Backeb.) G.D.Rowley wfo--0001264582 | 70 |
| <i>Opuntia engelmannii</i> var. <i>littoralis</i> Engelm. wfo-- 0001289862 | 266 | <i>Opuntia ferox</i> Haw. wfo--0000385788 | 56 |
| <i>Opuntia engelmannii</i> var. <i>megacarpa</i> (Griffiths) Fosberg wfo--0001289848 | 261 | <i>Opuntia ferruginispina</i> Griffiths wfo--0000385787 | 262 |
| <i>Opuntia engelmannii</i> var. <i>rastrera</i> (F.A.C.Weber) Pinkava wfo--0001433151 | 271 | <i>Opuntia festiva</i> Sencke ex Haage wfo--0000385785 | 406 |
| <i>Opuntia engelmannii</i> var. <i>subarmata</i> (Griffiths) D.Weniger wfo--0001289870 | 262 | <i>Opuntia ficus-indica</i> A.Berger wfo--0000385784 | 263 |
| <i>Opuntia engelmannii</i> var. <i>texana</i> (Griffiths) D.Weniger wfo--0001289623 | 262 | <i>Opuntia ficus-indica</i> (L.) Mill. wfo--0000385761 | 256, 263 |
| <i>Opuntia engelmannii</i> var. <i>wootonii</i> (Griffiths) Fosberg wfo-- 0001263049 | 268 | <i>Opuntia ficus-indica</i> f. <i>amyclaea</i> (Ten.) Schelle wfo-- 0000390507 | 263 |
| <i>Opuntia eocarpa</i> Griffiths wfo--0000386547 | 269 | <i>Opuntia ficus-indica</i> f. <i>decumana</i> (Willd.) Schelle wfo-- 0001433158 | 263 |
| <i>Opuntia erecta</i> K.Schum. wfo--0000386546 | 406 | <i>Opuntia ficus-indica</i> f. <i>gymnocarpa</i> (F.A.C.Weber) Schelle wfo--0001433159 | 263 |
| <i>Opuntia erectoclada</i> Backeb. wfo--0000385797 | 8 | <i>Opuntia ficus-indica</i> f. <i>reticulata</i> Backeb. wfo-- 0001433160 | 263 |
| <i>Opuntia erinacea</i> Engelm. & J.M.Bigelow wfo-- 0001286994 | 269 | <i>Opuntia ficus-indica</i> var. <i>amyclaea</i> (Ten.) A.Berger wfo-- 0000738986 | 263 |
| <i>Opuntia erinacea</i> var. <i>aurea</i> (E.M.Baxter) S.L.Welsh wfo-- 0001287211 | 258 | <i>Opuntia ficus-indica</i> var. <i>decumana</i> (Willd.) Speg. wfo-- 0001254583 | 263 |
| <i>Opuntia erinacea</i> var. <i>columbiana</i> (Griffiths) L.D.Benson wfo--0001287122 | 260 | <i>Opuntia ficus-indica</i> var. <i>elongata</i> Schelle wfo-- 0001433161 | 263 |
| <i>Opuntia erinacea</i> var. <i>erinacea</i> wfo--0001286995 | 269 | <i>Opuntia ficus-indica</i> var. <i>gymnocarpa</i> (F.A.C.Weber) Speg. wfo--0001289893 | 263 |
| <i>Opuntia erinacea</i> var. <i>hystricina</i> (Engelm. & J.M.Bigelow) L.D.Benson wfo--0001287123 | 270 | <i>Opuntia ficus-indica</i> var. <i>saboten</i> Makino wfo-- 0001433162 | 263 |
| <i>Opuntia erinacea</i> var. <i>paucispina</i> Dunkle wfo-- 0001433152 | 270 | <i>Opuntia filipendula</i> Engelm. wfo--0001289825 | 270 |
| <i>Opuntia erinacea</i> var. <i>rhodantha</i> (K.Schum.) L.D.Benson wfo--0001266534 | 270 | <i>Opuntia flavescens</i> Peebles wfo--0001289852 | 262 |
| <i>Opuntia erinacea</i> var. <i>ursina</i> (F.A.C.Weber) Parish wfo-- 0001287124 | 270 | <i>Opuntia flavicans</i> Lem. wfo--0000385752 | 271 |
| <i>Opuntia erinacea</i> var. <i>utahensis</i> (Engelm.) L.D.Benson wfo-- 0001286996 | 269 | <i>Opuntia flavispina</i> C.F.Först. wfo--0000385751 | 406 |
| <i>Opuntia erinacea</i> var. <i>woodburyi</i> (W.H.Earle) S.L.Welsh wfo--0001433153 | 269 | <i>Opuntia flexibilis</i> Pfeiff. wfo--0000385750 | 274 |
| <i>Opuntia erinacea</i> var. <i>xanthostemma</i> (K.Schum.) L.D.Benson wfo--0001287353 | 270 | <i>Opuntia flexospina</i> Griffiths wfo--0000385749 | 262 |
| <i>Opuntia erythrocentron</i> Lem. ex C.F.Först. wfo-- 0000385798 | 265 | <i>Opuntia flexuosa</i> (Backeb.) G.D.Rowley wfo--0001287342 | 362 |
| <i>Opuntia estevesii</i> P.J.Braun wfo--0000385799 | 361 | <i>Opuntia floccosa</i> Salm-Dyck wfo--0001287432 | 17 |
| <i>Opuntia exaltata</i> A.Berger wfo--0001287229 | 17 | <i>Opuntia floccosa</i> subvar. <i>aurescens</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433163 | 17 |
| <i>Opuntia excelsa</i> Sánchez-Mej. wfo--0001289125 | 263 | <i>Opuntia floccosa</i> var. <i>canispina</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433164 | 17 |
| <i>Opuntia expansa</i> Griffiths wfo--0000385796 | 262 | <i>Opuntia floccosa</i> var. <i>cardenasii</i> (Marn.-Lap.) G.D.Rowley wfo--0001433165 | 18 |
| <i>Opuntia extensa</i> Salm-Dyck ex Pfeiff. wfo--0000385793 | 257 | <i>Opuntia floccosa</i> var. <i>crassior</i> (Backeb.) G.D.Rowley wfo-- 0001287978 | 18 |
| <i>Opuntia exuviata</i> DC. wfo--0000385791 | 78 | <i>Opuntia floccosa</i> var. <i>denudata</i> F.A.C.Weber wfo-- 0001433166 | 17 |
| <i>Opuntia exuviata</i> Salm-Dyck wfo--0000385792 | 75 | <i>Opuntia floccosa</i> var. <i>ovoides</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287979 | 18 |
| <i>Opuntia exuviata</i> var. <i>angustior</i> DC. wfo--0001433154 .. | 78 | <i>Opuntia floribunda</i> Lem. wfo--0000385747 | 333 |
| <i>Opuntia exuviata</i> var. <i>spiniosior</i> DC. wfo--0001433155 .. | 78 | <i>Opuntia foliosa</i> Salm-Dyck ex DC. wfo--0000385746 ... | 406 |
| | | <i>Opuntia formidabilis</i> Walton wfo--0000385745 | 362 |
| | | <i>Opuntia fragilis</i> (Nutt.) Haw. wfo--0000385744 | 264 |
| | | <i>Opuntia fragilis</i> f. <i>brachyarthro</i> (Engelm. & J.M.Bigelow) Schelle wfo--0001433167 | 264 |

| | | | |
|---|-----|--|-----|
| <i>Opuntia fragilis</i> subsp. <i>brachyarthra</i> (Engelm. & J.M.Bigelow) F.A.C.Weber wfo---0001433168 | 264 | <i>Opuntia galapageia</i> subvar. <i>prolifera</i> (E.Y.Dawson) Backeb. wfo---0001433182 | 261 |
| <i>Opuntia fragilis</i> var. <i>brachyarthra</i> (Engelm. & J.M.Bigelow) J.M.Coult. wfo---0001287125 | 264 | <i>Opuntia galapageia</i> var. <i>brossettii</i> Backeb. wfo---0001433183 | 264 |
| <i>Opuntia fragilis</i> var. <i>caespitosa</i> L.H.Bailey wfo---0001433169 | 264 | <i>Opuntia galapageia</i> var. <i>echios</i> Backeb. wfo---0001433184 | 261 |
| <i>Opuntia fragilis</i> var. <i>denudata</i> E.F.Wiegand & Backeb. wfo---0001433170 | 264 | <i>Opuntia galapageia</i> var. <i>galapageia</i> wfo---0001289396 | 264 |
| <i>Opuntia fragilis</i> var. <i>frutescens</i> Engelm. & A.Gray wfo---0001287371 | 77 | <i>Opuntia galapageia</i> var. <i>gigantea</i> Backeb. wfo---0001289392 | 264 |
| <i>Opuntia fragilis</i> var. <i>parviconspicua</i> Backeb. wfo---0001433171 | 264 | <i>Opuntia galapageia</i> var. <i>helleri</i> Backeb. wfo---0001289398 | 264 |
| <i>Opuntia fragilis</i> var. <i>tuberiformis</i> L.H.Bailey wfo---0001433172 | 264 | <i>Opuntia galapageia</i> var. <i>insularis</i> Backeb. wfo---0001289400 | 265 |
| <i>Opuntia frigida</i> (F.Ritter) G.Navarro wfo---0001252216 .. | 70 | <i>Opuntia galapageia</i> var. <i>macrocarpa</i> E.Y.Dawson wfo---0001433185 | 264 |
| <i>Opuntia frustulenta</i> Gibbes wfo---0000385753 | 260 | <i>Opuntia galapageia</i> var. <i>myriacantha</i> (F.A.C.Weber) Backeb. wfo---0001433186 | 264 |
| <i>Opuntia frutescens</i> Engelm. wfo---0001287372 | 77 | <i>Opuntia galapageia</i> var. <i>profusa</i> E.F.Anderson & Walk. wfo---0001433187 | 264 |
| <i>Opuntia frutescens</i> var. <i>brevispina</i> Engelm. wfo---0001287374 | 77 | <i>Opuntia galapageia</i> var. <i>saxicola</i> Backeb. wfo---0001289404 | 272 |
| <i>Opuntia frutescens</i> var. <i>longispina</i> Engelm. wfo---0001287373 | 77 | <i>Opuntia galapageia</i> var. <i>zacana</i> Backeb. wfo---0001289395 | 261 |
| <i>Opuntia fulgens</i> Engelm. wfo---0000385741 | 75 | <i>Opuntia galeottii</i> De Smet ex Miq. wfo---0000385742 | 75 |
| <i>Opuntia fulgida</i> Engelm. wfo---0000385740 | 75 | <i>Opuntia galerasensis</i> (F.Ritter) D.R.Hunt wfo---0001252372 | 69 |
| <i>Opuntia fulgida</i> var. <i>hoffmannii</i> (Fosberg) L.D.Benson wfo---0001289605 | 73 | <i>Opuntia gallegiana</i> Scheinvar & Olalde wfo---0001433188 | 264 |
| <i>Opuntia fulgida</i> var. <i>mamillata</i> (A.Schott ex Engelm.) J.M.Coult. wfo---0001286997 | 75 | <i>Opuntia ganderi</i> (C.B.Wolf) Rebman & Pinkava wfo---0001263378 | 75 |
| <i>Opuntia fuliginosa</i> Griffiths wfo---0001289628 | 264 | <i>Opuntia gaumeri</i> (Britton & Rose) R.Puente & Majure wfo---0001433189 | 264 |
| <i>Opuntia fulvicoma</i> (Rauh & Backeb.) G.D.Rowley wfo---0001287980 | 69 | <i>Opuntia geissei</i> Phil. wfo---0000385769 | 254 |
| <i>Opuntia fulvicoma</i> var. <i>bicolor</i> (Rauh & Backeb.) G.D.Rowley wfo---0001287981 | 69 | <i>Opuntia geometrica</i> A.Cast. wfo---0001289337 | 363 |
| <i>Opuntia fulvispina</i> Salm-Dyck ex Pfeiff. wfo---0000385739 | 265 | <i>Opuntia gilliesii</i> Pfeiff. wfo---0000385768 | 196 |
| <i>Opuntia fulvispina</i> var. <i>badia</i> Salm-Dyck wfo---0001433173 | 265 | <i>Opuntia gilvescens</i> Griffiths wfo---0001289850 | 268 |
| <i>Opuntia fulvispina</i> var. <i>laevior</i> Salm-Dyck ex Pfeiff. wfo---0001433174 | 265 | <i>Opuntia gilvoalba</i> Griffiths wfo---0000385766 | 262 |
| <i>Opuntia funalis</i> (Britton & Rose) G.D.Rowley wfo---0000509884 | 361 | <i>Opuntia glaberrima</i> Pfeiff. wfo---0000385765 | 263 |
| <i>Opuntia furiosa</i> H.L.Wendl. wfo---0000385738 | 78 | <i>Opuntia glauca</i> Pfeiff. wfo---0000385764 | 263 |
| <i>Opuntia fuscoatra</i> Engelm. wfo---0001287375 | 266 | <i>Opuntia glaucescens</i> Salm-Dyck wfo---0001286169 | 272 |
| <i>Opuntia fuscolineata</i> Starm. & Mucher wfo---0000385737 | 257 | <i>Opuntia glaucophylla</i> H.L.Wendl. ex Pfeiff. wfo---0000385763 | 406 |
| <i>Opuntia fuscicaulis</i> Griffiths wfo---0000385736 | 263 | <i>Opuntia glaucophylla</i> var. <i>laevior</i> Salm-Dyck wfo---0001433190 | 406 |
| <i>Opuntia fusiformis</i> Engelm. & J.M.Bigelow wfo---0000385735 | 266 | <i>Opuntia glomerata</i> f. <i>oligacantha</i> (Speg.) Castell. wfo---0001433191 | 196 |
| <i>Opuntia galapageia</i> Hemsl. wfo---0001288325 | 264 | <i>Opuntia glomerata</i> f. <i>papyracantha</i> (Phil.) Castell. wfo---0001433192 | 363 |
| <i>Opuntia galapageia</i> subsp. <i>insularis</i> (A.Stewart) Guiggi wfo---0001433175 | 265 | <i>Opuntia glomerata</i> Haw. wfo---0001289298 | 196 |
| <i>Opuntia galapageia</i> subsp. <i>megasperma</i> (J.T.Howell) Guiggi wfo---0001433176 | 267 | <i>Opuntia glomerata</i> var. <i>calva</i> (Lem.) G.D.Rowley wfo---0001433193 | 363 |
| <i>Opuntia galapageia</i> subsp. <i>myriacantha</i> (F.A.C.Weber) Guiggi wfo---0001433177 | 264 | <i>Opuntia glomerata</i> var. <i>gracilior</i> (Salm-Dyck) G.D.Rowley wfo---0001433194 | 196 |
| <i>Opuntia galapageia</i> subsp. <i>zacana</i> (J.T.Howell) Guiggi wfo---0001433178 | 261 | <i>Opuntia glomerata</i> var. <i>inermis</i> (Speg.) G.D.Rowley wfo---0001433195 | 363 |
| <i>Opuntia galapageia</i> subvar. <i>barringtonensis</i> (E.Y.Dawson) Backeb. wfo---0001433179 | 260 | <i>Opuntia glomerata</i> var. <i>oligacantha</i> (Speg.) G.D.Rowley wfo---0001433196 | 196 |
| <i>Opuntia galapageia</i> subvar. <i>inermis</i> (E.Y.Dawson) Backeb. wfo---0001433180 | 261 | <i>Opuntia glomerata</i> var. <i>polycantha</i> (Speg.) G.D.Rowley wfo---0001433197 | 363 |
| <i>Opuntia galapageia</i> subvar. <i>orientalis</i> (J.T.Howell) Backeb. wfo---0001433181 | 267 | <i>Opuntia golziana</i> K.Schum. wfo---0000385762 | 181 |
| | | <i>Opuntia gomei</i> Griffiths wfo---0000385754 | 262 |

| | | | |
|---|-----|---|-----|
| <i>Opuntia gorda</i> Griffiths wfo--0001289904..... | 271 | <i>Opuntia hitchcockii</i> G.J.Ortega wfo--0001289429..... | 264 |
| <i>Opuntia gosseliniana</i> F.A.C.Weber wfo--0001289837 .. | 264 | <i>Opuntia hitchenii</i> J.Forbes wfo--0000385853 | 406 |
| <i>Opuntia gosseliniana</i> subsp. <i>santa-rita</i> (Griffiths & Hare) | | <i>Opuntia hoffmannii</i> Bravo wfo--0001289667 | 271 |
| Guiggi wfo--0001433198..... | 264 | <i>Opuntia hondurensis</i> Standl. wfo--0000385852 | 264 |
| <i>Opuntia gosseliniana</i> var. <i>santarita</i> (Griffiths & Hare) | | <i>Opuntia horizontalis</i> Gillies ex Pfeiff. wfo--0000385828260 | |
| L.D.Benson wfo--0001289840 | 272 | <i>Opuntia horrida</i> Salm-Dyck ex DC. wfo--0000385842 .. | 274 |
| <i>Opuntia gosseliniana</i> var. <i>santa-rita</i> (Griffiths & Hare) | | <i>Opuntia horstii</i> Heinrich wfo--0000385816 | 421 |
| L.D.Benson wfo--0001433199 | 264 | <i>Opuntia hossei</i> (Krainz & Gräser) G.D.Rowley wfo-- | |
| <i>Opuntia gracilicylindrica</i> (E.F.Wiegand & Backeb.) | | 0000385815 | 362 |
| G.D.Rowley wfo--0000385841 | 253 | <i>Opuntia howeyi</i> J.A.Purpus wfo--0001256645..... | 264 |
| <i>Opuntia gracilior</i> Lem. wfo--0000385840 | 267 | <i>Opuntia huajuapensis</i> Bravo wfo--0001289887 | 264 |
| <i>Opuntia gracilis</i> Pfeiff. wfo--0001289586 | 76 | <i>Opuntia hualpaensis</i> Hester wfo--0000385813 | 79 |
| <i>Opuntia gracilis</i> var. <i>subpatens</i> Salm-Dyck wfo-- | | <i>Opuntia humahuacana</i> (Backeb.) G.D.Rowley wfo-- | |
| 0001433200..... | 77 | 0000385812 | 19 |
| <i>Opuntia grahamii</i> Engelm. wfo--0001289663 | 148 | <i>Opuntia humifusa</i> (Raf.) Raf. wfo--0000385811 | 264 |
| <i>Opuntia grandiflora</i> Engelm. wfo--0001287126 | 266 | <i>Opuntia humifusa</i> f. <i>jeollaensis</i> E.J.Kim & S.S.Whang wfo-- | |
| <i>Opuntia grandis</i> Pfeiff. wfo--0001289911..... | 272 | 0001433206 | 259 |
| <i>Opuntia grata</i> Phil. wfo--0000385839..... | 197 | <i>Opuntia humifusa</i> subsp. <i>humifusa</i> wfo--0001286157 | 264 |
| <i>Opuntia grata</i> var. <i>leonina</i> Schelle wfo--0001433201 .. | 197 | <i>Opuntia humifusa</i> subsp. <i>minor</i> (Engelm.) R.Crook & | |
| <i>Opuntia greenei</i> (J.M.Coult.) Engelm. ex Britton & Rose | | Mottram wfo--0001286158 | 259 |
| wfo--0001219719 | 266 | <i>Opuntia humifusa</i> var. <i>ammophila</i> (Small) L.D.Benson wfo- | |
| <i>Opuntia gregoriana</i> Griffiths wfo--0000385837..... | 268 | --0001433207 | 258 |
| <i>Opuntia griffithsiana</i> Mackensen wfo--0000385836 .. | 262 | <i>Opuntia humifusa</i> var. <i>austrina</i> (Small) Dress wfo-- | |
| <i>Opuntia grosseana</i> F.A.C.Weber wfo--0001433202..... | 261 | 0001287127 | 258 |
| <i>Opuntia grosseiana</i> F.A.C.Weber wfo--0000385860..... | 261 | <i>Opuntia humifusa</i> var. <i>humifusa</i> wfo--0001254974 .. | 264 |
| <i>Opuntia grossieana</i> F.A.C.Weber wfo--0000390509..... | 261 | <i>Opuntia humifusa</i> var. <i>microsperma</i> A.Heller wfo-- | |
| <i>Opuntia guanicana</i> Gürke wfo--0000385868..... | 56 | 0001433208 | 259 |
| <i>Opuntia guatemalensis</i> Britton & Rose wfo--0000385845 | | <i>Opuntia humifusa</i> var. <i>parva</i> A.Heller wfo--0001433209 | |
| ..... | 264 | ..... | 259 |
| <i>Opuntia guatiensis</i> D.R.Hunt wfo--0001252373 | 70 | <i>Opuntia humifusa</i> var. <i>vaseyi</i> (J.M.Coult.) A.Heller wfo-- | |
| <i>Opuntia guatinensis</i> D.R.Hunt wfo--0001433203 | 70 | 0001266528 | 274 |
| <i>Opuntia guerrana</i> Griffiths wfo--0001289631 | 271 | <i>Opuntia humilis</i> Haw. wfo--0000385810 | 274 |
| <i>Opuntia guilanchi</i> Griffiths wfo--0001287404..... | 264 | <i>Opuntia humistrata</i> Griffiths wfo--0001289689 | 258 |
| <i>Opuntia gymnocarpa</i> F.A.C.Weber wfo--0001289892 .. | 263 | <i>Opuntia hypogaea</i> Werderm. wfo--0001289302 | 196 |
| <i>Opuntia haematacantha</i> (Backeb.) Borg wfo--0001284513 | | <i>Opuntia hypsophila</i> Speg. wfo--0001288632..... | 364 |
| ..... | 364 | <i>Opuntia hyptiacantha</i> F.A.C.Weber wfo--0001289895 | 265 |
| <i>Opuntia haematocarpa</i> A.Berger wfo--0000385869..... | 262 | <i>Opuntia hystricina</i> Engelm. & J.M.Bigelow wfo-- | |
| <i>Opuntia haenquiiana</i> Herrera wfo--0001433204..... | 7 | 0001287333 | 270 |
| <i>Opuntia haitiensis</i> Britton wfo--0000385863..... | 56 | <i>Opuntia hystricina</i> var. <i>bensonii</i> Backeb. wfo--0001433210 | |
| <i>Opuntia halophila</i> Speg. wfo--0001289339..... | 363 | ..... | 270 |
| <i>Opuntia hamiltonii</i> (H.E.Gates ex Backeb.) G.D.Rowley wfo- | | <i>Opuntia hystricina</i> var. <i>nicholii</i> (L.D.Benson) Backeb. wfo-- | |
| --0001286432 | 74 | 0001266531 | 270 |
| <i>Opuntia hanburyana</i> F.A.C.Weber ex A.Berger wfo-- | | <i>Opuntia hystricina</i> var. <i>ursina</i> (F.A.C.Weber) Backeb. wfo-- | |
| 0000385866..... | 421 | 0001289685 | 270 |
| <i>Opuntia hattoniana</i> Britton & Rose wfo--0000385867 .. | 260 | <i>Opuntia hystrix</i> Griseb. wfo--0000386144 | 75 |
| <i>Opuntia heacockiae</i> Arp wfo--0001288271..... | 270 | <i>Opuntia ianthinantha</i> (F.Ritter) Iliff wfo--0001254421.... | 8 |
| <i>Opuntia heliabravoana</i> Scheinvar wfo--0001289902.... | 272 | <i>Opuntia icterica</i> Griffiths wfo--0001289883 | 274 |
| <i>Opuntia heliae</i> Matuda wfo--0001289686..... | 270 | <i>Opuntia ignescens</i> var. <i>steiniana</i> (Backeb.) G.D.Rowley | |
| <i>Opuntia helleri</i> K.Schum. ex B.L.Rob. wfo--0001289397264 | | wfo--0001433211 | 19 |
| <i>Opuntia hempeliana</i> K.Schum. wfo--0000385862..... | 17 | <i>Opuntia ignescens</i> Vaupel wfo--0001287436 | 70 |
| <i>Opuntia hernandezii</i> DC. wfo--0001289109..... | 274 | <i>Opuntia ignota</i> Britton & Rose wfo--0001287456 | 70 |
| <i>Opuntia hernandezii</i> var. <i>typica</i> Rol.-Goss. wfo-- | | <i>Opuntia imbricata</i> (Haw.) DC. wfo--0000386148 | 75 |
| 0001433205..... | 274 | <i>Opuntia imbricata</i> var. <i>arborescens</i> (Engelm.) | |
| <i>Opuntia herrfeldtii</i> Kupper wfo--0001289724 | 267 | A.D.Zimmerman wfo--0001433212 | 75 |
| <i>Opuntia heteromorpha</i> Phil. wfo--0000385858 | 19 | <i>Opuntia imbricata</i> var. <i>argentea</i> M.S.Anthony wfo-- | |
| <i>Opuntia hickenii</i> Britton & Rose wfo--0001289297..... | 196 | 0001287128 | 76 |
| <i>Opuntia hieronymi</i> Griseb. wfo--0000385857..... | 33 | <i>Opuntia imbricata</i> var. <i>cardenche</i> (Griffiths) Bravo wfo-- | |
| <i>Opuntia hildemanii</i> Frič wfo--0000385856..... | 273 | 0001289609 | 76 |
| <i>Opuntia hirschii</i> (Backeb.) G.D.Rowley wfo--0001287982 | | <i>Opuntia imbricata</i> var. <i>lloydii</i> (Rose) Bravo wfo-- | |
| ..... | 18 | 0001289611 | 76 |
| <i>Opuntia hispanica</i> Griffiths wfo--0000385855 | 421 | <i>Opuntia imbricata</i> var. <i>ramosior</i> Salm-Dyck wfo-- | |
| <i>Opuntia hitchcockii</i> G.J.Ortega wfo--0001289429..... | 264 | 0001433213 | 75 |

| | | | |
|--|-----|--|-----|
| <i>Opuntia imbricata</i> var. <i>tenuior</i> Salm-Dyck wfo-- 0001433214..... | 75 | <i>Opuntia lagopus</i> subvar. <i>brachycarpa</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433224..... | 318 |
| <i>Opuntia impedata</i> Small ex Britton & Rose wfo-- 0001287473..... | 267 | <i>Opuntia lagopus</i> var. <i>aurea</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287983..... | 318 |
| <i>Opuntia inaequilateralis</i> A.Berger wfo--0000385806..... | 265 | <i>Opuntia lagopus</i> var. <i>aureo-penicillata</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287984..... | 318 |
| <i>Opuntia inaequilateralis</i> var. <i>angustior</i> (F.Ritter) R.Crook & Mottram wfo--0001433215..... | 265 | <i>Opuntia lagopus</i> var. <i>aureopenicillata</i> (Rauh & Backeb.) G.D.Rowley wfo--0001433225..... | 18 |
| <i>Opuntia inamoena</i> f. <i>spinigera</i> (F.Ritter) P.J.Braun & Esteves wfo--0001433216..... | 361 | <i>Opuntia lagopus</i> var. <i>leucolagopus</i> (Rauh & Backeb.) G.D.Rowley wfo--0001289222..... | 318 |
| <i>Opuntia inamoena</i> K.Schum. wfo--0000385805..... | 361 | <i>Opuntia lagopus</i> var. <i>pachyclada</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287985..... | 318 |
| <i>Opuntia inamoena</i> var. <i>flaviflora</i> Backeb. wfo-- 0001433217..... | 361 | <i>Opuntia lagunae</i> Baxter ex Bravo wfo--0001289909..... | 265 |
| <i>Opuntia inaperta</i> (A.Schott ex Griffiths) D.R.Hunt wfo-- 0001252371..... | 265 | <i>Opuntia laiglonii</i> Frič wfo--0000385651..... | 421 |
| <i>Opuntia incarnadilla</i> Griffiths wfo--0001289900..... | 272 | <i>Opuntia lanceolata</i> (Haw.) Haw. wfo--0000385650..... | 263 |
| <i>Opuntia inermis</i> (DC.) DC. wfo--0001289857..... | 272 | <i>Opuntia lanigera</i> Parm. ex Pfeiff. wfo--0000385649..... | 265 |
| <i>Opuntia infesta</i> (F.Ritter) Iliff wfo--0001254422..... | 271 | <i>Opuntia lanigera</i> Salm-Dyck wfo--0000385648..... | 268 |
| <i>Opuntia insularis</i> A.Stewart wfo--0001289399..... | 265 | <i>Opuntia larreyi</i> F.A.C.Weber ex J.M.Coult. wfo-- 0001289905..... | 271 |
| <i>Opuntia intermedia</i> A.Gray wfo--0000385829..... | 421 | <i>Opuntia lasiacantha</i> Pfeiff. wfo--0001289894..... | 265 |
| <i>Opuntia intermedia</i> Salm-Dyck wfo--0000385827..... | 264 | <i>Opuntia lata</i> Small wfo--0001287476..... | 267 |
| <i>Opuntia intermedia</i> var. <i>prostrata</i> Salm-Dyck wfo-- 0001433218..... | 265 | <i>Opuntia laxiflora</i> Griffiths wfo--0000385646..... | 262 |
| <i>Opuntia intricata</i> Griffiths wfo--0000385832..... | 258 | <i>Opuntia ledienii</i> A.Berger wfo--0000385645..... | 274 |
| <i>Opuntia invicta</i> K.Brandege wfo--0001289617..... | 148 | <i>Opuntia leiascheinvariana</i> Martínez-Gonz. & Gallegos wfo-- 0001433226..... | 263 |
| <i>Opuntia involuta</i> Otto ex C.F.Först. wfo--0000385833..... | 19 | <i>Opuntia lemaireana</i> Console ex Bois wfo--0000385644268 | 268 |
| <i>Opuntia ipatiana</i> Cárdenas wfo--0001262481..... | 333 | <i>Opuntia leoncito</i> Werderm. wfo--0001289268..... | 196 |
| <i>Opuntia irrorata</i> Mart. ex Pfeiff. wfo--0000385834..... | 406 | <i>Opuntia leonina</i> F.Haage & M.Schmidt ex Rümpler wfo-- 0000385632..... | 71 |
| <i>Opuntia italica</i> Ten. ex Pfeiff. wfo--0000385817..... | 264 | <i>Opuntia leptarthra</i> F.A.C.Weber wfo--0000385643..... | 271 |
| <i>Opuntia ithypetala</i> Griffiths wfo--0000385830..... | 406 | <i>Opuntia leptocarpa</i> Mackensen wfo--0000385652..... | 266 |
| <i>Opuntia jaliscana</i> Bravo wfo--0001289880..... | 265 | <i>Opuntia leptocaulis</i> DC. wfo--0000385641..... | 76 |
| <i>Opuntia jamaicensis</i> Britton & Harris wfo--0000385825..... | 274 | <i>Opuntia leptocaulis</i> f. <i>brevispina</i> (Engelm.) Schelle wfo-- 0001433227..... | 77 |
| <i>Opuntia joconostle</i> F.A.C.Weber wfo--0001289901..... | 265 | <i>Opuntia leptocaulis</i> f. <i>longispina</i> (Engelm.) Schelle wfo-- 0001433228..... | 77 |
| <i>Opuntia juniperina</i> Britton & Rose wfo--0001289953..... | 270 | <i>Opuntia leptocaulis</i> f. <i>vaginata</i> (Engelm.) Schelle wfo-- 0001433229..... | 77 |
| <i>Opuntia jussieui</i> J.N.Haage ex C.F.Först. wfo--0000385824..... | 421 | <i>Opuntia leptocaulis</i> var. <i>badia</i> A.Berger wfo--0001288072..... | 77 |
| <i>Opuntia karwinskiana</i> Salm-Dyck wfo--0001289920..... | 265 | <i>Opuntia leptocaulis</i> var. <i>brevispina</i> (Engelm.) S.Watson wfo--0001289587..... | 77 |
| <i>Opuntia keyensis</i> Britton ex Small wfo--0001287483..... | 273 | <i>Opuntia leptocaulis</i> var. <i>brittonii</i> (G.J.Ortega) Bravo wfo-- 0001288070..... | 77 |
| <i>Opuntia kiskaloro</i> Speg. wfo--0001251995..... | 257 | <i>Opuntia leptocaulis</i> var. <i>longispina</i> (Engelm.) A.Berger wfo-- 0001288071..... | 77 |
| <i>Opuntia kiska-loro</i> Speg. wfo--0001433219..... | 257 | <i>Opuntia leptocaulis</i> var. <i>pleuriseta</i> A.Berger wfo-- 0001288068..... | 77 |
| <i>Opuntia kleiniae</i> DC. wfo--0000385822..... | 76 | <i>Opuntia leptocaulis</i> var. <i>robustior</i> A.Berger wfo-- 0001288074..... | 77 |
| <i>Opuntia kleiniae</i> var. <i>gilensis</i> M.A.Fisch. wfo--0001433220..... | 76 | <i>Opuntia leptocaulis</i> var. <i>stipata</i> J.M.Coult. wfo-- 0001433230..... | 77 |
| <i>Opuntia kleiniae</i> var. <i>laetevirens</i> Salm-Dyck wfo-- 0001433221..... | 76 | <i>Opuntia leptocaulis</i> var. <i>vaginata</i> (Engelm.) S.Watson wfo-- 0001289589..... | 77 |
| <i>Opuntia kleiniae</i> var. <i>tetracantha</i> (Toumey) W.T.Marshall wfo--0001287129..... | 76 | <i>Opuntia leucacantha</i> Link & Otto ex Pfeiff. wfo-- 0001433231..... | 265 |
| <i>Opuntia kuehnrighiana</i> var. <i>applanata</i> Werderm. & Backeb. wfo--0001433222..... | 71 | <i>Opuntia leucacantha</i> Link & Otto ex Salm-Dyck wfo-- 0000385640..... | 265 |
| <i>Opuntia kuehnrighiana</i> Werderm. & Backeb. wfo-- 0001287769..... | 71 | <i>Opuntia leucacantha</i> var. <i>laevior</i> Salm-Dyck wfo-- 0001433232..... | 265 |
| <i>Opuntia kuehnrighii</i> Backeb. wfo--0000385821..... | 421 | <i>Opuntia leucacantha</i> var. <i>subferox</i> Salm-Dyck ex C.F.Först. wfo--0001433233..... | 265 |
| <i>Opuntia kuntzei</i> (K.Schum.) Kiessling wfo--0000385819317 | 148 | | |
| <i>Opuntia kunzei</i> Rose wfo--0001289658..... | 149 | | |
| <i>Opuntia kunzei</i> var. <i>wrightiana</i> (E.M.Baxter) Peebles wfo-- 0001289659..... | 149 | | |
| <i>Opuntia labouretiana</i> K.Schum. wfo--0000385818..... | 263 | | |
| <i>Opuntia laetevirens</i> Backeb. wfo--0000385716..... | 8 | | |
| <i>Opuntia laevis</i> J.M.Coult. wfo--0001289955..... | 262 | | |
| <i>Opuntia laevis</i> var. <i>canada</i> (Griffiths) Peebles wfo-- 0001433223..... | 268 | | |
| <i>Opuntia lagopus</i> K.Schum. wfo--0001287433..... | 318 | | |

| | |
|---|---|
| <i>Opuntia leucantha</i> Link & Otto ex Pfeiff. wfo--0000385639 265 | <i>Opuntia longispina</i> Pfeiff. wfo--0000385663 406 |
| <i>Opuntia leucophaea</i> Phil. wfo--0001256646 71 | <i>Opuntia longispina</i> var. <i>agglomerata</i> Backeb. wfo-- 0001433239 8 |
| <i>Opuntia leucostata</i> J.Forbes wfo--0000385636 263 | <i>Opuntia longispina</i> var. <i>brevispina</i> Backeb. wfo-- 0001433240 8 |
| <i>Opuntia leucosticta</i> H.L.Wendl. ex Pfeiff. wfo-- 0000385635 265 | <i>Opuntia longispina</i> var. <i>corrugata</i> (Salm-Dyck) Backeb. wfo--0001433241 7 |
| <i>Opuntia leucotricha</i> DC. wfo--0001287130 265 | <i>Opuntia longispina</i> var. <i>flavidispina</i> Backeb. wfo-- 0001433242 8 |
| <i>Opuntia leucotricha</i> var. <i>fulvispina</i> F.A.C.Weber ex K.Schum. wfo--0001433234 265 | <i>Opuntia longispina</i> var. <i>intermedia</i> Backeb. wfo-- 0001433243 8 |
| <i>Opuntia lilae</i> Trujillo & Marisela Ponce wfo--0000385634 361 | <i>Opuntia loomisii</i> Peebles wfo--0001433244 266 |
| <i>Opuntia limitata</i> (F.Ritter) P.J.Braun & Esteves wfo-- 0001256648 261 | <i>Opuntia loomisii</i> Peebles wfo--0001289809 421 |
| <i>Opuntia lindheimeri</i> Engelm. wfo--0001286998 262 | <i>Opuntia lubrica</i> Griffiths wfo--0001289795 267 |
| <i>Opuntia lindheimeri</i> subsp. <i>cantabrigiensis</i> (Lynch) Guiggi wfo--0001433235 261 | <i>Opuntia lubrica</i> var. <i>aurea</i> (E.M.Baxter) Backeb. wfo-- 0001433245 258 |
| <i>Opuntia lindheimeri</i> var. <i>aciculata</i> (Griffiths) Bravo wfo-- 0000385633 257 | <i>Opuntia lucens</i> Griffiths wfo--0001289633 271 |
| <i>Opuntia lindheimeri</i> var. <i>chisosensis</i> M.S.Anthony wfo-- 0001289622 259 | <i>Opuntia lucida</i> Hort. wfo--0000385661 406 |
| <i>Opuntia lindheimeri</i> var. <i>cuija</i> (Griffiths & Hare) L.D.Benson wfo--0001286999 260 | <i>Opuntia lutea</i> (Rose) D.R.Hunt wfo--0000385657 266 |
| <i>Opuntia lindheimeri</i> var. <i>cyclodes</i> (Engelm. & J.M.Bigelow) J.M.Coult. wfo--0001289849 268 | <i>Opuntia luteispina</i> Guiggi wfo--0001433246 258 |
| <i>Opuntia lindheimeri</i> var. <i>dulcis</i> (Engelm.) J.M.Coult. wfo-- 0001289844 269 | <i>Opuntia macateei</i> Britton & Rose wfo--0000385656 ... 268 |
| <i>Opuntia lindheimeri</i> var. <i>ellisiana</i> (Griffiths) K.Hammer wfo--0001266529 261 | <i>Opuntia macbridei</i> Britton & Rose wfo--0001287458 .. 266 |
| <i>Opuntia lindheimeri</i> var. <i>lehmannii</i> L.D.Benson wfo-- 0001287131 262 | <i>Opuntia macbridei</i> var. <i>orbicularis</i> Rauh & Backeb. wfo-- 0001289219 266 |
| <i>Opuntia lindheimeri</i> var. <i>linguiformis</i> (Griffiths) L.D.Benson wfo--0000390804 263 | <i>Opuntia macdougaliana</i> Rose wfo--0001289876 274 |
| <i>Opuntia lindheimeri</i> var. <i>littoralis</i> (Engelm.) J.M.Coult. wfo-- 0001289863 266 | <i>Opuntia mackensenii</i> Rose wfo--0001289808 266 |
| <i>Opuntia lindheimeri</i> var. <i>lucens</i> (Griffiths) Scheinvar wfo-- 0001433236 271 | <i>Opuntia mackensenii</i> var. <i>minor</i> (M.S.Anthony) A.M.Powell & Weedin wfo--0001433247 266 |
| <i>Opuntia lindheimeri</i> var. <i>occidentalis</i> (Engelm. & J.M.Bigelow) J.M.Coult. wfo--0001433237 268 | <i>Opuntia macracantha</i> Gibbes wfo--0001287474 55 |
| <i>Opuntia lindheimeri</i> var. <i>subarmata</i> (Griffiths) Elizondo & Wehbe wfo--0001286439 262 | <i>Opuntia macracantha</i> Griseb. wfo--0001433248 55 |
| <i>Opuntia lindheimeri</i> var. <i>tricolor</i> (Griffiths) L.D.Benson wfo-- 0001287132 262 | <i>Opuntia macrantha</i> Gibbes wfo--0000385654 421 |
| <i>Opuntia lindsayi</i> Rebman wfo--0000385659 77 | <i>Opuntia macrarthra</i> Gibbes wfo--0001433249 267 |
| <i>Opuntia linguiformis</i> Griffiths wfo--0000385660 263 | <i>Opuntia macrocalyx</i> Griffiths wfo--0001289632 267 |
| <i>Opuntia littoralis</i> (Engelm.) Cockerell wfo--0001287225 266 | <i>Opuntia macrocentra</i> Engelm. wfo--0001287230 266 |
| <i>Opuntia littoralis</i> var. <i>australifornica</i> L.D.Benson & Walk. wfo--0001287133 275 | <i>Opuntia macrocentra</i> subsp. <i>azurea</i> (Rose) Guiggi wfo-- 0001433250 258 |
| <i>Opuntia littoralis</i> var. <i>littoralis</i> wfo--0001287226 266 | <i>Opuntia macrocentra</i> var. <i>aureispina</i> S.Brack & K.D.Heil wfo--0001288275 258 |
| <i>Opuntia littoralis</i> var. <i>martiniana</i> (L.D.Benson) L.D.Benson wfo--0001433238 266 | <i>Opuntia macrocentra</i> var. <i>martiniana</i> L.D.Benson wfo-- 0001287343 266 |
| <i>Opuntia littoralis</i> var. <i>piercei</i> (Fosberg) L.D.Benson & Walk. wfo--0001287409 266 | <i>Opuntia macrocentra</i> var. <i>minor</i> M.S.Anthony wfo-- 0001289842 266 |
| <i>Opuntia littoralis</i> var. <i>vaseyi</i> (J.M.Coult.) L.D.Benson & Walk. wfo--0001287038 274 | <i>Opuntia macrorhiza</i> Engelm. wfo--0001287376 266 |
| <i>Opuntia llanos-de-huanta</i> D.R.Hunt wfo--0000385665 196 | <i>Opuntia macrorhiza</i> subsp. <i>macrorhiza</i> wfo--0001286160 266 |
| <i>Opuntia lloydii</i> Rose wfo--0001289610 76 | <i>Opuntia macrorhiza</i> subsp. <i>potosina</i> (Hern.-Valencia) U.Guzmán & Mandujano wfo--0001286165 267 |
| <i>Opuntia longiareolata</i> Clover & Jotter wfo--0001256650 258 | <i>Opuntia macrorhiza</i> subsp. <i>pottsii</i> (Salm-Dyck) U.Guzmán & Mandujano wfo--0001286161 270 |
| <i>Opuntia longiclada</i> Griffiths wfo--0000385662 273 | <i>Opuntia macrorhiza</i> var. <i>grandiflora</i> (Engelm.) Bulot wfo-- 0001433251 266 |
| <i>Opuntia longiglochia</i> C.Z.Nelson wfo--0000390802 406 | <i>Opuntia macrorhiza</i> var. <i>greenii</i> (J.M.Coult.) Bulot wfo-- 0001433252 266 |
| <i>Opuntia longispina</i> Haw. wfo--0000385664 7 | <i>Opuntia macrorhiza</i> var. <i>macrorhiza</i> wfo--0001287415 266 |
| | <i>Opuntia macrorhiza</i> var. <i>potosina</i> Hern.-Valencia wfo-- 0001286166 267 |
| | <i>Opuntia macrorhiza</i> var. <i>pottsii</i> (Salm-Dyck) L.D.Benson wfo--0001287416 270 |
| | <i>Opuntia maculacantha</i> C.F.Först. wfo--0000385803 273 |
| | <i>Opuntia maelenii</i> Salm-Dyck wfo--0000385802 273 |
| | <i>Opuntia magenta</i> Griffiths wfo--0000385801 274 |

| | | | |
|---|-----|--|-----|
| <i>Opuntia magna</i> Griffiths wfo--0000385826..... | 75 | <i>Opuntia mesacantha</i> Raf. wfo--0001289803..... | 267 |
| <i>Opuntia magnarenensis</i> Griffiths wfo--0000385835..... | 262 | <i>Opuntia mesacantha</i> subsp. <i>lata</i> (Small) Majure wfo-- | |
| <i>Opuntia magnifica</i> Small wfo--0001287377..... | 273 | 0001433264..... | 267 |
| <i>Opuntia magnifolia</i> Noronha wfo--0000385658..... | 259 | <i>Opuntia mesacantha</i> subsp. <i>mesacantha</i> wfo-- | |
| <i>Opuntia maidenii</i> Griffiths wfo--0000385642..... | 274 | 0001434904..... | 267 |
| <i>Opuntia maihuen</i> Gay wfo--0001288221..... | 194 | <i>Opuntia mesacantha</i> var. <i>cymochila</i> (Engelm. & | |
| <i>Opuntia maldonadensis</i> Arechav. wfo--0001288634..... | 257 | J.M.Bigelow) J.M.Coult. wfo--0001289805..... | 260 |
| <i>Opuntia mamillata</i> A.Schott ex Engelm. wfo--0001287378 | | <i>Opuntia mesacantha</i> var. <i>grandiflora</i> Engelm. wfo-- | |
| ..... | 75 | 0001433265..... | 266 |
| <i>Opuntia mammillata</i> Engelm. wfo--0001433253..... | 75 | <i>Opuntia mesacantha</i> var. <i>greenii</i> J.M.Coult. wfo-- | |
| <i>Opuntia mandragora</i> (Backeb.) G.D.Rowley wfo-- | | 0001433266..... | 266 |
| 0000385621..... | 196 | <i>Opuntia mesacantha</i> var. <i>macrorhiza</i> (Engelm.) J.M.Coult. | |
| <i>Opuntia marenae</i> S.H.Parsons wfo--0001288255..... | 148 | wfo--0001289804..... | 266 |
| <i>Opuntia margaritana</i> (J.M.Coult.) Baxter wfo-- | | <i>Opuntia mesacantha</i> var. <i>microsperma</i> (Engelm. & | |
| 0001289798..... | 271 | J.M.Bigelow) J.M.Coult. wfo--0001289832..... | 259 |
| <i>Opuntia maritima</i> Raf. wfo--0000385620..... | 273 | <i>Opuntia mesacantha</i> var. <i>oplocarpa</i> J.M.Coult. wfo-- | |
| <i>Opuntia marnieriana</i> Backeb. wfo--0001289913..... | 272 | 0001219715..... | 266 |
| <i>Opuntia martiniana</i> (L.D.Benson) B.D.Parfitt wfo-- | | <i>Opuntia mesacantha</i> var. <i>parva</i> J.M.Coult. wfo-- | |
| 0001287000..... | 266 | 0001433267..... | 259 |
| <i>Opuntia matudae</i> Scheinvar wfo--0000385619..... | 265 | <i>Opuntia mesacantha</i> var. <i>sphaerocarpa</i> J.M.Coult. ex | |
| <i>Opuntia maxima</i> Mill. wfo--0000385611..... | 263 | Wooton & Standl. wfo--0001433268..... | 269 |
| <i>Opuntia maxonii</i> G.J.Ortega wfo--0001289687..... | 260 | <i>Opuntia mesacantha</i> var. <i>stenochila</i> (Engelm. & | |
| <i>Opuntia media</i> Haw. wfo--0000385616..... | 269 | J.M.Bigelow) J.M.Coult. wfo--0001289806..... | 266 |
| <i>Opuntia megacantha</i> f. <i>lasiacantha</i> (Pfeiff.) Schelle wfo-- | | <i>Opuntia mesacantha</i> var. <i>vaseyi</i> J.M.Coult. wfo-- | |
| 0001433254..... | 265 | 0001235719..... | 274 |
| <i>Opuntia megacantha</i> Salm-Dyck wfo--0000385615..... | 266 | <i>Opuntia metternichii</i> Salm-Dyck wfo--0000385617..... | 268 |
| <i>Opuntia megacantha</i> var. <i>lasiacantha</i> (Pfeiff.) A.Berger | | <i>Opuntia metuenda</i> Pittier wfo--0000385618..... | 74 |
| wfo--0001433255..... | 265 | <i>Opuntia mexicana</i> Pfeiff. wfo--0000385630..... | 263 |
| <i>Opuntia megacantha</i> var. <i>tenuispina</i> Salm-Dyck wfo-- | | <i>Opuntia micrarthra</i> Griffiths wfo--0000385629..... | 274 |
| 0001433256..... | 263 | <i>Opuntia microcarpa</i> K.Schum. wfo--0001250929..... | 261 |
| <i>Opuntia megacarpa</i> Griffiths wfo--0001287338..... | 261 | <i>Opuntia microdasys</i> (Lehm.) Pfeiff. wfo--0000385628..... | 267 |
| <i>Opuntia megalantha</i> Griffiths wfo--0000385614..... | 274 | <i>Opuntia microdasys</i> f. <i>minor</i> (Salm-Dyck) Schelle wfo-- | |
| <i>Opuntia megalarthra</i> Rose wfo--0000390799..... | 271 | 0001433269..... | 267 |
| <i>Opuntia megapotamica</i> Arechav. wfo--0001256652..... | 266 | <i>Opuntia microdasys</i> subsp. <i>microdasys</i> wfo--0001286167 | |
| <i>Opuntia megapotamica</i> subsp. <i>salagria</i> (A.Cast.) Guiggi |  | ..... | 267 |
| wfo--0001433257..... | 267 | <i>Opuntia microdasys</i> subsp. <i>rufida</i> (Engelm.) U.Guzmán & | |
| <i>Opuntia megapotamica</i> var. <i>chadihuensis</i> Oakley & Villamil | | Mandujano wfo--0001286168..... | 272 |
| wfo--0001433258..... | 266 | <i>Opuntia microdasys</i> subvar. <i>albiflora</i> Backeb. wfo-- | |
| <i>Opuntia megapotamica</i> var. <i>megapotamica</i> wfo-- | | 0001433270..... | 267 |
| 0001434903..... | 267 | <i>Opuntia microdasys</i> var. <i>albispina</i> Fobe & Backeb. wfo-- | |
| <i>Opuntia megapotamica</i> var. <i>salagria</i> (A.Cast.) Oakley wfo-- | | 0001289692..... | 267 |
| -0001433259..... | 267 | <i>Opuntia microdasys</i> var. <i>laevior</i> Salm-Dyck wfo-- | |
| <i>Opuntia megarrhiza</i> Rose wfo--0001289835..... | 267 | 0001289693..... | 267 |
| <i>Opuntia megarrhiza</i> subsp. <i>megarrhiza</i> wfo--0001286163 | | <i>Opuntia microdasys</i> var. <i>minor</i> Salm-Dyck wfo-- | |
| ..... | 267 | 0001289694..... | 267 |
| <i>Opuntia megarrhiza</i> subsp. <i>pachyrrhiza</i> (H.M.Hern., | | <i>Opuntia microdasys</i> var. <i>pallida</i> Borg wfo--0001289691 | |
| Gómez-Hin. & Bárcenas) U.Guzmán & Mandujano wfo-- |  | ..... | 267 |
| 0001286164..... | 268 | <i>Opuntia microdasys</i> var. <i>rufida</i> (Engelm.) K.Schum. wfo-- | |
| <i>Opuntia megasperma</i> J.T.Howell wfo--0001289401..... | 267 | 0001269371..... | 272 |
| <i>Opuntia megasperma</i> subsp. <i>orientalis</i> J.T.Howell wfo-- | | <i>Opuntia microdisca</i> F.A.C.Weber wfo--0001289341..... | 8 |
| 0001433260..... | 267 | <i>Opuntia microthele</i> Pfeiff. wfo--0000385627..... | 195 |
| <i>Opuntia megasperma</i> subsp. <i>typica</i> J.T.Howell wfo-- | | <i>Opuntia mieckleyi</i> K.Schum. wfo--0000385626..... | 261 |
| 0001433261..... | 267 | <i>Opuntia militaris</i> Britton & Rose wfo--0001219714..... | 267 |
| <i>Opuntia megasperma</i> var. <i>megasperma</i> wfo-- | | <i>Opuntia</i> Mill. wfo--4000027003..... | 256 |
| 0001289402..... | 267 | <i>Opuntia millspaughii</i> Britton wfo--0000385625..... | 55 |
| <i>Opuntia megasperma</i> var. <i>mesophytica</i> Lundh wfo-- | | <i>Opuntia mininuta</i> (Backeb.) G.D.Rowley wfo--0000385624 | |
| 0001433262..... | 267 | ..... | 196 |
| <i>Opuntia megasperma</i> var. <i>orientalis</i> (J.T.Howell) | | <i>Opuntia minor</i> Müll.Hal. wfo--0001265631..... | 274 |
| D.M.Porter wfo--0001433263..... | 267 | <i>Opuntia minuscula</i> (Backeb.) G.D.Rowley wfo-- | |
| <i>Opuntia megiolii</i> (R.Kiesling) Kiessling wfo--0000385612 | | 0001256653..... | 8 |
| ..... | 317 | <i>Opuntia minuscula</i> var. <i>silvestris</i> (Backeb.) Krainz wfo-- | |
| <i>Opuntia melanosperma</i> Svenson wfo--0001289371..... | 273 | 0001433271..... | 8 |

| | | | |
|--|-----|--|-----|
| <i>Opuntia minuta</i> (Backeb.) A.Cast. wfo--0001289308..... | 196 | <i>Opuntia myriacantha</i> F.A.C.Weber wfo--0000386538 . | 264 |
| <i>Opuntia miquelii</i> Monv. wfo--0001288635 | 254 | <i>Opuntia myriacantha</i> Link & Otto ex Steud. wfo-- | |
| <i>Opuntia mira</i> (Rauh & Backeb.) G.D.Rowley wfo-- | | 0000386539 | 406 |
| 0001287986..... | 71 | <i>Opuntia nana</i> Vis. wfo--0001287460 | 271 |
| <i>Opuntia missouriensis</i> DC. wfo--0001287379 | 270 | <i>Opuntia nashii</i> Britton wfo--0000386537 | 56 |
| <i>Opuntia missouriensis</i> f. <i>albispina</i> (Engelm. & J.M.Bigelow) | | <i>Opuntia nashii</i> subsp. <i>gibarensis</i> (Areces) Govaerts wfo-- | |
| Schelle wfo--0001433272..... | 270 | 0001263201 | 56 |
| <i>Opuntia missouriensis</i> f. <i>trichophora</i> (Engelm. & | | <i>Opuntia nejapensis</i> Bravo wfo--0001289861..... | 273 |
| J.M.Bigelow) Schelle wfo--0001433273 | 270 | <i>Opuntia nelsonii</i> Rose wfo--0001289875..... | 275 |
| <i>Opuntia missouriensis</i> var. <i>albispina</i> Engelm. & | | <i>Opuntia nemoralis</i> Griffiths wfo--0000386536..... | 268 |
| J.M.Bigelow wfo--0001287381..... | 270 | <i>Opuntia neoargentina</i> (Backeb.) G.D.Rowley wfo-- | |
| <i>Opuntia missouriensis</i> var. <i>elongata</i> Salm-Dyck wfo-- | | 0001288684 | 34 |
| 0001433274..... | 269 | <i>Opuntia neochrysantha</i> Bravo wfo--0001289865 | 262 |
| <i>Opuntia missouriensis</i> var. <i>microsperma</i> Engelm. wfo-- | | <i>Opuntia neorutila</i> Y.Itô wfo--0000386533 | 421 |
| 0001433275..... | 269 | <i>Opuntia neuquensis</i> Borg wfo--0001289344 | 195 |
| <i>Opuntia missouriensis</i> var. <i>platycarpa</i> Engelm. wfo-- | | <i>Opuntia nicholii</i> L.D.Benson wfo--0001220306 | 270 |
| 0001239248..... | 270 | <i>Opuntia nigricans</i> (Haw.) Haw. wfo--0001288878..... | 261 |
| <i>Opuntia missouriensis</i> var. <i>rufispina</i> Engelm. & J.M.Bigelow | | <i>Opuntia nigripina</i> K.Schum. wfo--0001289310 | 363 |
| wfo--0001289952..... | 269 | <i>Opuntia nigrita</i> Griffiths wfo--0001289896 | 265 |
| <i>Opuntia missouriensis</i> var. <i>salmonia</i> Späth ex J.A.Purpus | | <i>Opuntia nitens</i> Small wfo--0001287479 | 258 |
| wfo--0001433276..... | 269 | <i>Opuntia noodtiae</i> (Backeb. & H.Jacobsen) G.D.Rowley wfo-- | |
| <i>Opuntia missouriensis</i> var. <i>subinermis</i> Engelm. wfo-- | | --0001287988..... | 70 |
| 0001433277..... | 269 | <i>Opuntia nopalilla</i> Karw. ex Salm-Dyck wfo--0000385623 | |
| <i>Opuntia missouriensis</i> var. <i>trichophora</i> Engelm. & |  | ..... | 265 |
| J.M.Bigelow wfo--0001287380..... | 270 | <i>Opuntia nuda</i> (Backeb.) G.D.Rowley wfo--0001256654 | 259 |
| <i>Opuntia mistiensis</i> (Backeb.) G.D.Rowley wfo-- | | <i>Opuntia obliqua</i> Backeb. wfo--0000385726 | 8 |
| 0001287987..... | 70 | <i>Opuntia oblongata</i> H.Wendl. wfo--0001289882 | 274 |
| <i>Opuntia moelleri</i> A.Berger wfo--0001287001 | 148 | <i>Opuntia obovata</i> Griffiths wfo--0000385715 | 263 |
| <i>Opuntia mohavensis</i> Engelm. & J.M.Bigelow wfo-- | | <i>Opuntia occidentalis</i> var. <i>covillei</i> (Britton & Rose) Parish | |
| 0000386590..... | 268 | wfo--0001287355 | 274 |
| <i>Opuntia mojavensis</i> Engelm. & J.M.Bigelow wfo-- | | <i>Opuntia occidentalis</i> var. <i>littoralis</i> (Engelm.) Parish ex Jeps. | |
| 0001287339..... | 268 | wfo--0001287356 | 266 |
| <i>Opuntia molesta</i> K.Brandege wfo--0000386589 | 77 | <i>Opuntia occidentalis</i> var. <i>megacarpa</i> (Griffiths) Munz wfo-- | |
| <i>Opuntia molfinoi</i> (Speg.) Werderm. wfo--0001289303. | 196 | --0001287354 | 261 |
| <i>Opuntia molinensis</i> Speg. wfo--0001289342..... | 363 | <i>Opuntia occidentalis</i> var. <i>occidentalis</i> wfo--0001287407 | |
| <i>Opuntia monacantha</i> (Willd.) Haw. wfo--0000386588 . | 267 | ..... | 268 |
| <i>Opuntia monacantha</i> subsp. <i>arechavaletae</i> (Speg.) Guiggi | | <i>Opuntia occidentalis</i> var. <i>vaseyi</i> (J.M.Coult.) Munz wfo-- | |
| wfo--0001433278..... | 257 | 0001433283 | 274 |
| <i>Opuntia monacantha</i> subsp. <i>brunneogemmia</i> (F.Ritter) | | <i>Opuntia ochrocentra</i> Small ex Britton & Rose wfo-- | |
| P.J.Braun & Esteves wfo--0001263003..... | 267 | 0001287382 | 268 |
| <i>Opuntia monacantha</i> var. <i>deflexa</i> Salm-Dyck wfo-- | | <i>Opuntia oligacantha</i> Pfeiff. wfo--0000385713 | 272 |
| 0001433279..... | 268 | <i>Opuntia olmeca</i> Pérez Crisanto, J.Reyes & F.Brachet wfo-- | |
| <i>Opuntia monacantha</i> var. <i>gracilior</i> Lem. wfo--0001433280 | | 0000390811..... | 268 |
| ..... | 267 | <i>Opuntia oplocarpa</i> Engelm. ex J.M.Coult. wfo-- | |
| <i>Opuntia monacantha</i> var. <i>variegata</i> Anon. wfo-- | | 0001289807 | 274 |
| 0001433281..... | 268 | <i>Opuntia opuntia</i> (L.) H.Karst. wfo--0000385711..... | 263 |
| <i>Opuntia moniliformis</i> (L.) Haw. ex Steud. wfo-- | | <i>Opuntia opuntia</i> J.M.Coult. wfo--0000385710 | 421 |
| 0000386586..... | 56 | <i>Opuntia orbiculata</i> Salm-Dyck ex Pfeiff. wfo--0001256655 | |
| <i>Opuntia moniliformis</i> f. <i>guantanamana</i> (Areces) Govaerts |  | ..... | 268 |
| wfo--0000386585..... | 56 | <i>Opuntia oricola</i> Philbrick wfo--0001287410 | 268 |
| <i>Opuntia montana</i> Sencke ex Haage wfo--0000386584. | 421 | <i>Opuntia orurensis</i> Cárdenas wfo--0001288168 | 8 |
| <i>Opuntia montevidensis</i> Speg. wfo--0000386583..... | 258 | <i>Opuntia ottonis</i> G.Don wfo--0000385709 | 295 |
| <i>Opuntia monticola</i> Phil. wfo--0000386582 | 197 | <i>Opuntia ovallei</i> Gay wfo--0001287074 | 196 |
| <i>Opuntia morenoi</i> K.Schum. wfo--0000386557 | 421 | <i>Opuntia ovata</i> Hort.Angl. ex Pfeiff. wfo--0001433284 . | 362 |
| <i>Opuntia mortolensis</i> Britton & Rose wfo--0000386534 .. | 77 | <i>Opuntia ovata</i> Pfeiff. wfo--0001289315 | 197 |
| <i>Opuntia mucheri</i> Starm. wfo--0000386574..... | 333 | <i>Opuntia ovooides</i> Lem. wfo--0000385708..... | 197 |
| <i>Opuntia muelleriana</i> (Backeb.) G.D.Rowley wfo-- | | <i>Opuntia pachona</i> Griffiths wfo--0001289899 | 272 |
| 0000386542..... | 71 | <i>Opuntia pachypus</i> K.Schum. wfo--0001287430 | 18 |
| <i>Opuntia multiareolata</i> Backeb. wfo--0000386541..... | 8 | <i>Opuntia pachyrrhiza</i> H.M.Hern., Gómez-Hin. & Bárcenas | |
| <i>Opuntia multiflora</i> G.Nicholson wfo--0001433282 | 274 | wfo--0001261461 | 268 |
| <i>Opuntia multigeniculata</i> Clokey wfo--0001287073 | 77 | <i>Opuntia paediophila</i> A.Cast. wfo--0001289347 | 363 |
| <i>Opuntia munzii</i> C.B.Wolf wfo--0000386540..... | 77 | <i>Opuntia pailana</i> Weing. wfo--0001289888 | 268 |

| | | | |
|---|-----|---|-----|
| <i>Opuntia pallida</i> Rose wfo--0001288018..... | 77 | <i>Opuntia phaeacantha</i> var. <i>covillei</i> (Britton & Rose) Fosberg wfo--0001433295 | 275 |
| <i>Opuntia palmadora</i> Britton & Rose wfo--0000385707 | 361 | <i>Opuntia phaeacantha</i> var. <i>discata</i> (Griffiths) L.D.Benson & Walk. wfo--0001287003 | 262 |
| <i>Opuntia palmadora</i> subsp. <i>catingicola</i> (Werderm.) P.J.Braun & Esteves wfo--0001263006..... | 361 | <i>Opuntia phaeacantha</i> var. <i>flavisipina</i> L.D.Benson wfo--0001287004 | 262 |
| <i>Opuntia palmeri</i> Engelm. ex J.M.Coult. wfo--0001266583 | 259 | <i>Opuntia phaeacantha</i> var. <i>laevis</i> (J.M.Coult.) L.D.Benson wfo--0001287135 | 262 |
| <i>Opuntia pampeana</i> Speg. wfo--0001289348 | 273 | <i>Opuntia phaeacantha</i> var. <i>major</i> Engelm. wfo--0001287005 | 268 |
| <i>Opuntia panellana</i> (Backeb.) Backeb. wfo--0000385706 | 8 | <i>Opuntia phaeacantha</i> var. <i>mojavensis</i> (Engelm. & J.M.Bigelow) Fosberg wfo--0001433296 | 268 |
| <i>Opuntia papyracantha</i> K.Schum. wfo--0000385734 | 421 | <i>Opuntia phaeacantha</i> var. <i>nigricans</i> Engelm. wfo--0001287006 | 268 |
| <i>Opuntia papyracantha</i> Phil. wfo--0000385725 | 363 | <i>Opuntia phaeacantha</i> var. <i>phaeacantha</i> wfo--0001287007 | 268 |
| <i>Opuntia paraguayensis</i> K.Schum. wfo--0001289330 | 263 | <i>Opuntia phaeacantha</i> var. <i>piercei</i> Fosberg wfo--0001235718 | 266 |
| <i>Opuntia parishii</i> Orcutt wfo--0001287326 | 149 | <i>Opuntia phaeacantha</i> var. <i>spinosibacca</i> (M.S.Anthony) L.D.Benson wfo--0001287136..... | 272 |
| <i>Opuntia parishiorum</i> Orcutt ex Britton & Rose wfo--0001433285..... | 149 | <i>Opuntia phaeacantha</i> var. <i>superbospina</i> (Griffiths) L.D.Benson wfo--0001433297..... | 269 |
| <i>Opuntia parkeri</i> J.M.Coult. wfo--0001289601..... | 73 | <i>Opuntia phaeacantha</i> var. <i>wootonii</i> (Griffiths) L.D.Benson wfo--0001287137 | 268 |
| <i>Opuntia parmentieri</i> Pfeiff. wfo--0000385727 | 8 | <i>Opuntia philippii</i> F.Haage & M.Schmidt ex Bois wfo--0000385721 | 194 |
| <i>Opuntia parryi</i> Engelm. wfo--0001287322..... | 77 | <i>Opuntia phyllacantha</i> Salm-Dyck ex C.F.Först. wfo--0000385719 | 421 |
| <i>Opuntia parryi</i> var. <i>bernardina</i> (Engelm. ex Parish) Borg wfo--0001433286..... | 73 | <i>Opuntia phyllanthus</i> (L.) Mill. wfo--0001287180 | 110 |
| <i>Opuntia parryi</i> var. <i>serpentina</i> (Engelm.) L.D.Benson wfo--0001287411..... | 78 | <i>Opuntia picardae</i> Urb. wfo--0000385718..... | 55 |
| <i>Opuntia parva</i> A.Berger wfo--0000385728 | 273 | <i>Opuntia picardoi</i> Marn.-Lap. wfo--0000385691 | 8 |
| <i>Opuntia parviclada</i> S.Arias & Gama wfo--0001256656 | 268 | <i>Opuntia piccolomini</i> Hort. wfo--0000385675 | 406 |
| <i>Opuntia parvisipina</i> Salm-Dyck wfo--0000385730 | 270 | <i>Opuntia pilifera</i> F.A.C.Weber wfo--0001289886 | 269 |
| <i>Opuntia parvula</i> Salm-Dyck wfo--0000385732 | 263 | <i>Opuntia pilifera</i> var. <i>aurantisaeta</i> Backeb. wfo--0001433298 | 269 |
| <i>Opuntia pascoensis</i> Britton & Rose wfo--0001287457 | 271 | <i>Opuntia pinkavae</i> B.D.Parfitt wfo--0001243506..... | 269 |
| <i>Opuntia patagonica</i> Phil. wfo--0000385733 | 194 | <i>Opuntia pintadera</i> Salm-Dyck wfo--0000385687 | 268 |
| <i>Opuntia patagonica</i> Phil. wfo--0001433287 | 194 | <i>Opuntia pisciformis</i> Small ex Britton & Rose wfo--0001287138 | 258 |
| <i>Opuntia peckii</i> J.A.Purpus wfo--0000385717 | 421 | <i>Opuntia pititache</i> (Pfeiff.) F.A.C.Weber wfo--0001289584 | 181 |
| <i>Opuntia pelaguensis</i> Salm-Dyck wfo--0000385729 | 196 | <i>Opuntia pittieri</i> Britton & Rose wfo--0000385686..... | 269 |
| <i>Opuntia penicilligera</i> Speg. wfo--0001289349 | 268 | <i>Opuntia pituitosa</i> (F.Ritter) Iliff wfo--0001254424 | 267 |
| <i>Opuntia pennellii</i> Britton & Rose wfo--0000385723 | 268 | <i>Opuntia platyacantha</i> f. <i>deflexispina</i> (Salm-Dyck) Schelle wfo--0001433299 | 195 |
| <i>Opuntia pentlandii</i> Salm-Dyck wfo--0001287435 | 69 | <i>Opuntia platyacantha</i> f. <i>mojavensis</i> (Engelm. & J.M.Bigelow) Schelle wfo--0001433300 | 268 |
| <i>Opuntia pentlandii</i> var. <i>fuaxiana</i> (Backeb.) G.D.Rowley wfo--0001433288..... | 69 | <i>Opuntia platyacantha</i> Hort.Dyck. ex Pfeiff. wfo--0001289350 | 197 |
| <i>Opuntia pentlandii</i> var. <i>rossiana</i> (Heinrich & Backeb.) G.D.Rowley wfo--0001433289 | 71 | <i>Opuntia platyacantha</i> var. <i>angustispina</i> (Backeb.) G.D.Rowley wfo--0001433301 | 195 |
| <i>Opuntia perotensis</i> Scheinvar, Olalde & Gallegos wfo--0001433290..... | 268 | <i>Opuntia platyacantha</i> var. <i>deflexispina</i> Salm-Dyck wfo--0001433302 | 195 |
| <i>Opuntia perrita</i> Griffiths wfo--0001289592 | 78 | <i>Opuntia platyacantha</i> var. <i>gracilior</i> Salm-Dyck wfo--0001433303 | 196 |
| <i>Opuntia pescorvae</i> Leconte ex Chapman wfo--0001287383..... | 260 | <i>Opuntia platyacantha</i> var. <i>monvillei</i> Salm-Dyck wfo--0001433304 | 195 |
| <i>Opuntia pes-corvi</i> Leconte ex Engelm. wfo--0000385722 | 260 | <i>Opuntia platyacantha</i> var. <i>neoplatyacantha</i> (Backeb.) G.D.Rowley wfo--0001433305..... | 195 |
| <i>Opuntia pestifer</i> Britton & Rose wfo--0001287459..... | 271 | <i>Opuntia platynoda</i> Griffiths wfo--0000385685..... | 257 |
| <i>Opuntia phaeacantha</i> Engelm. wfo--0001287002 | 268 | <i>Opuntia plumbea</i> Rose wfo--0001289828 | 270 |
| <i>Opuntia phaeacantha</i> f. <i>brunnea</i> (Engelm.) Schelle wfo--0001433291..... | 268 | <i>Opuntia poecilacantha</i> Backeb. wfo--0001284335..... | 7 |
| <i>Opuntia phaeacantha</i> subsp. <i>camanchica</i> (Engelm. & J.M.Bigelow) Borg wfo--0001263048 | 269 | | |
| <i>Opuntia phaeacantha</i> subsp. <i>mojavensis</i> (Engelm. & J.M.Bigelow) Guiggi wfo--0001433292 | 268 | | |
| <i>Opuntia phaeacantha</i> var. <i>brunnea</i> Engelm. wfo--0001287384..... | 268 | | |
| <i>Opuntia phaeacantha</i> var. <i>camanchica</i> (Engelm. & J.M.Bigelow) L.D.Benson wfo--0001287134..... | 269 | | |
| <i>Opuntia phaeacantha</i> var. <i>castorea</i> S.L.Welsh & N.D.Atwood wfo--0001433293 | 269 | | |
| <i>Opuntia phaeacantha</i> var. <i>charlestonensis</i> (Clokey) Backeb. wfo--0001433294 | 259 | | |
| <i>Opuntia phaeacantha</i> var. <i>chihuahuensis</i> (Rose) Bravo wfo--0001289843 | 268 | | |

| | | | |
|--|-----|---|-----|
| <i>Opuntia poeppigii</i> Otto ex Pfeiff. wfo--0000385851 | 194 | <i>Opuntia procumbens</i> Engelm. & J.M.Bigelow wfo-- | |
| <i>Opuntia pollardii</i> Britton & Rose wfo--0001287075 | 267 | 0001287385 | 268 |
| <i>Opuntia polyacantha</i> f. <i>platycarpa</i> (J.M.Coult.) Toumey & | | <i>Opuntia prolifera</i> Engelm. wfo--0000386013 | 78 |
| Rose wfo--0001433306 | 270 | <i>Opuntia prostrata</i> Monv. & Lem. ex C.F.Först. wfo-- | |
| <i>Opuntia polyacantha</i> Haw. wfo--0001287039 | 269 | 0000386006 | 265 |
| <i>Opuntia polyacantha</i> subsp. <i>borealis</i> (J.M.Coult.) Piper & | | <i>Opuntia protracta</i> Lem. ex C.F.Först. wfo--0000386004406 | |
| Beattie wfo--0001433307 | 269 | <i>Opuntia pruinosa</i> Salm-Dyck wfo--0000386003 | 271 |
| <i>Opuntia polyacantha</i> subsp. <i>erinacea</i> (Engelm. & | | <i>Opuntia pseudo-tuna</i> Salm-Dyck wfo--0001262835 | 421 |
| J.M.Bigelow) Guiggi wfo--0001433308 | 269 | <i>Opuntia pseudotuna</i> Salm-Dyck wfo--0001433318 | 274 |
| <i>Opuntia polyacantha</i> var. <i>albispina</i> (Engelm. & | | <i>Opuntia pseudo-udonis</i> (Rauh & Backeb.) G.D.Rowley wfo-- | |
| J.M.Bigelow) J.M.Coult. wfo--0001266586 | 270 | -0001287989 | 18 |
| <i>Opuntia polyacantha</i> var. <i>arenaria</i> (Engelm.) B.D.Parfitt | | <i>Opuntia pseudoudonis</i> (Rauh & Backeb.) G.D.Rowley wfo-- | |
| wfo--0001255077 | 257 | 0001433319 | 18 |
| <i>Opuntia polyacantha</i> var. <i>borealis</i> J.M.Coult. wfo-- | | <i>Opuntia puberula</i> Pfeiff. wfo--0001247812 | 270 |
| 0001433309 | 269 | <i>Opuntia pubescens</i> H.L.Wendl. ex Pfeiff. wfo--0000386002 | |
| <i>Opuntia polyacantha</i> var. <i>erinacea</i> (Engelm. & |  | ..... | 270 |
| J.M.Bigelow) B.D.Parfitt wfo--0001266537 | 269 | <i>Opuntia pubescens</i> H.L.Wendl. wfo--0001433320 | 270 |
| <i>Opuntia polyacantha</i> var. <i>erythrostema</i> J.A.Purpus wfo-- | | <i>Opuntia puelchana</i> A.Cast. wfo--0001289280 | 78 |
| 0001433310 | 269 | <i>Opuntia pulchella</i> Engelm. wfo--0001287141 | 252 |
| <i>Opuntia polyacantha</i> var. <i>hystericina</i> (Engelm. & | | <i>Opuntia pulverulenta</i> Pfeiff. wfo--0001288300 | 254 |
| J.M.Bigelow) B.D.Parfitt wfo--0001266533 | 270 | <i>Opuntia pulvinata</i> DC. wfo--0000386001 | 267 |
| <i>Opuntia polyacantha</i> var. <i>hystericina</i> (Engelm. & | | <i>Opuntia pumila</i> Rose wfo--0001288299 | 271 |
| J.M.Bigelow) B.D.Parfitt wfo--0001433311 | 270 | <i>Opuntia punta-caillan</i> (Rauh & Backeb.) G.D.Rowley wfo-- | |
| <i>Opuntia polyacantha</i> var. <i>juniperina</i> (Britton & Rose) | | 0001287990 | 18 |
| L.D.Benson wfo--0001287139 | 270 | <i>Opuntia purpurea</i> R.E.Fr. wfo--0001289312 | 363 |
| <i>Opuntia polyacantha</i> var. <i>nicholii</i> (L.D.Benson) B.D.Parfitt | | <i>Opuntia pusilla</i> (Haw.) Haw. wfo--0001287142 | 406 |
| wfo--0001266532 | 270 | <i>Opuntia pycnantha</i> Engelm. wfo--0001289796 | 271 |
| <i>Opuntia polyacantha</i> var. <i>platycarpa</i> (Engelm.) J.M.Coult. | | <i>Opuntia pycnantha</i> var. <i>margaritana</i> J.M.Coult. wfo-- | |
| wfo--0001266585 | 270 | 0001289797 | 271 |
| <i>Opuntia polyacantha</i> var. <i>polyacantha</i> wfo--0001287417 | | <i>Opuntia pygmaea</i> (E.F.Wiegand & Backeb.) G.D.Rowley | |
| ..... | 270 | wfo--0000386024 | 253 |
| <i>Opuntia polyacantha</i> var. <i>rufispina</i> (Engelm. & | | <i>Opuntia pyriformis</i> Rose wfo--0001289869 | 265 |
| J.M.Bigelow) L.D.Benson wfo--0001287140 | 269 | <i>Opuntia pyrocarpa</i> Griffiths wfo--0000386025 | 262 |
| <i>Opuntia polyacantha</i> var. <i>salmonia</i> J.A.Purpus wfo-- | | <i>Opuntia pyrrhacantha</i> K.Schum. wfo--0001288009 | 69 |
| 0001433312 | 269 | <i>Opuntia pyrrhacantha</i> var. <i>leucolutes</i> (Backeb.) | |
| <i>Opuntia polyacantha</i> var. <i>schweriniana</i> (K.Schum.) Backeb. | | G.D.Rowley wfo--0001433321 | 69 |
| wfo--0001289670 | 269 | <i>Opuntia pyrrhantha</i> (F.Ritter) P.J.Braun & Esteves wfo-- | |
| <i>Opuntia polyacantha</i> var. <i>spirocentra</i> J.A.Purpus wfo-- | | 0001256657 | 261 |
| 0001433313 | 269 | <i>Opuntia quimilo</i> K.Schum. wfo--0001289106 | 271 |
| <i>Opuntia polyacantha</i> var. <i>subinermis</i> J.A.Purpus wfo-- | | <i>Opuntia quitensis</i> F.A.C.Weber wfo--0001288034 | 271 |
| 0001433314 | 269 | <i>Opuntia rafinesquei</i> Engelm. wfo--0001287386 | 265 |
| <i>Opuntia polyacantha</i> var. <i>trichophora</i> (Engelm. & | | <i>Opuntia rafinesquei</i> f. <i>arkansana</i> (Engelm. ex Rümpler) | |
| J.M.Bigelow) J.M.Coult. wfo--0001287040 | 270 | Schelle wfo--0001219720 | 259 |
| <i>Opuntia polyacantha</i> var. <i>utahensis</i> (Engelm.) Bulot wfo-- | | <i>Opuntia rafinesquei</i> f. <i>cymochila</i> (Engelm. & J.M.Bigelow) | |
| 0001434905 | 269 | Schelle wfo--0001219717 | 260 |
| <i>Opuntia polyacantha</i> var. <i>watsonii</i> J.M.Coult. wfo-- | | <i>Opuntia rafinesquei</i> f. <i>oplocarpa</i> (J.M.Coult.) Schelle wfo-- | |
| 0001433315 | 269 | 0001219718 | 266 |
| <i>Opuntia polyantha</i> Haw. wfo--0000386012 | 274 | <i>Opuntia rafinesquei</i> var. <i>arkansana</i> Engelm. ex Rümpler | |
| <i>Opuntia polycarpa</i> Small wfo--0001287478 | 258 | wfo--0001287387 | 259 |
| <i>Opuntia polymorpha</i> Pfeiff. wfo--0000386010 | 362 | <i>Opuntia rafinesquei</i> var. <i>fusiformis</i> Engelm. wfo-- | |
| <i>Opuntia porteri</i> K.Brandege ex F.A.C.Weber wfo-- | | 0001433322 | 266 |
| 0000386009 | 305 | <i>Opuntia rafinesquei</i> var. <i>grandiflora</i> Engelm. wfo-- | |
| <i>Opuntia posnanskyana</i> Cárdenas wfo--0001288156 | 364 | 0001433323 | 266 |
| <i>Opuntia pottsii</i> Salm-Dyck wfo--0001289822 | 270 | <i>Opuntia rafinesquei</i> var. <i>microsperma</i> Engelm. wfo-- | |
| <i>Opuntia pottsii</i> var. <i>montana</i> (Engelm.) Bulot wfo-- | | 0001289830 | 259 |
| 0001433316 | 270 | <i>Opuntia rafinesquei</i> var. <i>minor</i> Engelm. & J.M.Bigelow wfo-- | |
| <i>Opuntia praecox</i> J.Forbes wfo--0000386008 | 406 | -0001289831 | 259 |
| <i>Opuntia prasina</i> Speg. wfo--0000386007 | 267 | <i>Opuntia rafinesquei</i> var. <i>montana</i> Engelm. wfo-- | |
| <i>Opuntia prate</i> Sabine ex Pfeiff. wfo--0000385999 | 271 | 0001433324 | 270 |
| <i>Opuntia preciadoae</i> Scheinvar, Olalde, Gallegos & | | <i>Opuntia rafinesquei</i> var. <i>parva</i> F.Haage & E.Schmidt wfo-- | |
| J.Morales S. wfo--0001433317 | 270 | 0001433325 | 265 |

| | | | |
|---|-----|--|-----|
| <i>Opuntia rafinesquei</i> var. <i>vaseyi</i> (J.M.Coult.) K.Schum. wfo--0001269368 | 274 | <i>Opuntia rossiana</i> var. <i>fuaxiana</i> (Backeb.) Kiessling wfo--0001433336 | 69 |
| <i>Opuntia rafinesquiana</i> Urlandt wfo--0001433326 | 265 | <i>Opuntia rotundifolia</i> K.Brandegee wfo--0001286171... | 305 |
| <i>Opuntia rahmeri</i> Phil. wfo--0000386014..... | 71 | <i>Opuntia roxburghiana</i> Voigt wfo--0000385973..... | 267 |
| <i>Opuntia ramosissima</i> Engelm. wfo--0000386027 | 78 | <i>Opuntia rubescens</i> Salm-Dyck ex DC. wfo--0000385972 | 56 |
| <i>Opuntia ramulifera</i> Salm-Dyck wfo--0001289585..... | 76 | <i>Opuntia rubiflora</i> Davidson wfo--0000385970 | 275 |
| <i>Opuntia rarissima</i> (Backeb.) G.D.Rowley wfo--0000386023 | 69 | <i>Opuntia rubiflora</i> Griffiths wfo--0000385971 | 265 |
| <i>Opuntia rastrea</i> F.A.C.Weber wfo--0001289836 | 271 | <i>Opuntia rubrifolia</i> Engelm. ex J.M.Coult. wfo--0000385989 | 268 |
| <i>Opuntia rauhii</i> (Backeb.) G.D.Rowley wfo--0001287991. | 18 | <i>Opuntia rufescens</i> Salm-Dyck ex C.F.Först. wfo--0000385977 | 265 |
| <i>Opuntia rauppiana</i> K.Schum. wfo--0001288010 | 71 | <i>Opuntia rufida</i> Engelm. wfo--0001287143 | 272 |
| <i>Opuntia recondita</i> Griffiths wfo--0001289593 | 76 | <i>Opuntia rufida</i> var. <i>tortiflora</i> M.S.Anthony wfo--0001289793 | 272 |
| <i>Opuntia recondita</i> var. <i>perrita</i> (Griffiths) G.D.Rowley wfo--0001433327 | 78 | <i>Opuntia rugosa</i> Griffiths wfo--0000385998..... | 275 |
| <i>Opuntia recurvospina</i> Griffiths wfo--0000386021..... | 269 | <i>Opuntia ruiz-lealii</i> A.Cast. wfo--0001288630 | 195 |
| <i>Opuntia reflexa</i> Mackensen wfo--0000386020 | 262 | <i>Opuntia russellii</i> Britton & Rose wfo--0001289317 | 196 |
| <i>Opuntia reflexispina</i> Wiggins & Rollins wfo--0001289662 | 149 | <i>Opuntia ruthei</i> A.Berger wfo--0000385997 | 75 |
| <i>Opuntia reicheana</i> Espinosa wfo--0000386019 | 197 | <i>Opuntia rutila</i> Nutt. wfo--0000385996..... | 269 |
| <i>Opuntia repens</i> Bello wfo--0000386018 | 271 | <i>Opuntia rzedowskii</i> Scheinvar wfo--0001289119 | 265 |
| <i>Opuntia repens</i> Karw. ex Salm-Dyck wfo--0000386017 | 260 | <i>Opuntia sabinii</i> Pfeiff. wfo--0000385995 | 264 |
| <i>Opuntia reptans</i> Karw. ex W.H.Baxter wfo--0000386016 | 421 | <i>Opuntia salagria</i> A.Cast. wfo--0001289354..... | 267 |
| <i>Opuntia retrorsa</i> Speg. wfo--0001287950..... | 257 | <i>Opuntia salicornoides</i> Spreng. ex Pfeiff. wfo--0000385994 | 421 |
| <i>Opuntia retrospinosa</i> Lem. wfo--0000385990 | 8 | <i>Opuntia salmiana</i> J.Parm. ex Pfeiff. wfo--0001288636 | 333 |
| <i>Opuntia rhodantha</i> f. <i>xanthostemma</i> (K.Schum.) Rehder wfo--0001433328..... | 270 | <i>Opuntia salmiana</i> var. <i>albiflora</i> (K.Schum.) G.D.Rowley wfo--0001433337 | 333 |
| <i>Opuntia rhodantha</i> K.Schum. wfo--0001287388 | 270 | <i>Opuntia salmiana</i> var. <i>spgazzinii</i> (F.A.C.Weber) G.D.Rowley wfo--0001433338..... | 333 |
| <i>Opuntia rhodantha</i> var. <i>spiniosior</i> Boissév. & C.Davidson wfo--0001433329..... | 270 | <i>Opuntia salmii</i> J.Forbes wfo--0000385993 | 406 |
| <i>Opuntia rhodantha</i> var. <i>xanthostemma</i> (K.Schum.) Rehder wfo--0001266536..... | 270 | <i>Opuntia salvadorensis</i> Britton & Rose wfo--0000385992 | 264 |
| <i>Opuntia rileyi</i> J.G.Ortega wfo--0001289885..... | 274 | <i>Opuntia sanctae-barbarae</i> D.R.Hunt wfo--0000385991. | 70 |
| <i>Opuntia riojana</i> Hosseus ex Backeb. & F.M.Knuth wfo--0001289352..... | 362 | <i>Opuntia sanfelipensis</i> Rebman wfo--0000385982 | 78 |
| <i>Opuntia rioplatense</i> Font wfo--0001433330 | 271 | <i>Opuntia sanguinea</i> Proctor wfo--0000386066 | 272 |
| <i>Opuntia riparia</i> Griffiths wfo--0000385979..... | 261 | <i>Opuntia sanguinocula</i> Griffiths wfo--0000386065 | 274 |
| <i>Opuntia ritteri</i> A.Berger wfo--0001289881 | 271 | <i>Opuntia santamaria</i> (E.M.Baxter) Bravo wfo--0001289612 | 78 |
| <i>Opuntia riviereana</i> Backeb. wfo--0001289914..... | 272 | <i>Opuntia santamaria</i> (E.M.Baxter) Wiggins wfo--0000386064 | 78 |
| <i>Opuntia robinsonii</i> G.J.Ortega wfo--0001289428..... | 271 | <i>Opuntia santarita</i> (Griffiths & Hare) Rose wfo--0001289839 | 272 |
| <i>Opuntia roborensis</i> Cárdenas wfo--0001252131..... | 257 | <i>Opuntia santa-rita</i> (Griffiths & Hare) Rose wfo--0001433339 | 264 |
| <i>Opuntia robusta</i> J.C.Wendl. wfo--0001287221 | 271 | <i>Opuntia sarca</i> Griffiths ex Scheinvar wfo--0000386063 | 274 |
| <i>Opuntia robusta</i> Pfeiff. wfo--0001433331 | 271 | <i>Opuntia saxatilis</i> (F.Ritter) P.J.Braun & Esteves wfo--0001221102 | 361 |
| <i>Opuntia robusta</i> var. <i>albicans</i> (Salm-Dyck) Schelle wfo--0001433332..... | 271 | <i>Opuntia saxatilis</i> subsp. <i>minutispina</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001433340 | 361 |
| <i>Opuntia robusta</i> var. <i>guerrana</i> (Griffiths) Sánchez-Mej. wfo--0001289908..... | 271 | <i>Opuntia saxatilis</i> subsp. <i>occibahiensis</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001433341 | 361 |
| <i>Opuntia robusta</i> var. <i>larreyi</i> (F.A.C.Weber ex J.M.Coult.) Bravo wfo--0001289907..... | 271 | <i>Opuntia saxatilis</i> subsp. <i>pomosa</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001433342 | 361 |
| <i>Opuntia robusta</i> var. <i>longiglochidiata</i> Backeb. wfo--0001433333..... | 271 | <i>Opuntia saxatilis</i> var. <i>minutispina</i> P.J.Braun & Esteves wfo--0001433343..... | 361 |
| <i>Opuntia robusta</i> var. <i>megacantha</i> (Salm-Dyck) Schelle wfo--0001433334 | 266 | <i>Opuntia saxatilis</i> var. <i>occibahiensis</i> P.J.Braun & Esteves wfo--0001433344 | 361 |
| <i>Opuntia robusta</i> var. <i>megalarthra</i> (Rose) K.Hammer wfo--0001433335..... | 271 | <i>Opuntia saxatilis</i> var. <i>pomosa</i> P.J.Braun & Esteves wfo--0001433345 | 361 |
| <i>Opuntia rosarica</i> G.E.Linds. wfo--0001289613..... | 74 | <i>Opuntia saxicola</i> Howell wfo--0001289403..... | 272 |
| <i>Opuntia rosea</i> DC. wfo--0000385980..... | 76 | <i>Opuntia scheeri</i> F.A.C.Weber wfo--0001289889 | 272 |
| <i>Opuntia roseana</i> Mackensen wfo--0000385976..... | 266 | | |
| <i>Opuntia rosiflora</i> K.Schum. wfo--0000385975..... | 254 | | |
| <i>Opuntia rossiana</i> (Heinrich & Backeb.) D.R.Hunt wfo--0001252375..... | 71 | | |

| | |
|--|-----|
| <i>Opuntia schickendantzii</i> F.A.C.Weber wfo--000128863833, 334 | |
| <i>Opuntia schomburgkii</i> Salm-Dyck wfo--0000386060 | 406 |
| <i>Opuntia schottii</i> Engelm. wfo--0001287144 | 149 |
| <i>Opuntia schottii</i> var. <i>grahamii</i> (Engelm.) L.D.Benson wfo--0001287145 | 148 |
| <i>Opuntia schulzii</i> A.Cast. & H.V.Lelong wfo--0001288685 | 34 |
| <i>Opuntia schumannii</i> F.A.C.Weber ex A.Berger wfo--0000386059 | 272 |
| <i>Opuntia schumannii</i> Speg. wfo--0001289355 | 363 |
| <i>Opuntia schweriniana</i> K.Schum. wfo--0001289669 | 269 |
| <i>Opuntia securigera</i> Borg wfo--0000386084 | 421 |
| <i>Opuntia segethii</i> F.Phil. wfo--0001289375 | 19 |
| <i>Opuntia seguina</i> C.Z.Nelson wfo--0000390782 | 266 |
| <i>Opuntia semispinosa</i> Griffiths wfo--0001263783 | 266 |
| <i>Opuntia senilis</i> Parm. ex Pfeiff. wfo--0000386078 | 268 |
| <i>Opuntia senilis</i> Roezl wfo--0000386077 | 17 |
| <i>Opuntia sericea</i> G.Don ex Salm-Dyck wfo--0000386079 | 273 |
| <i>Opuntia sericea</i> var. <i>longispina</i> Salm-Dyck wfo--0001433346 | 273 |
| <i>Opuntia sericea</i> var. <i>maelenii</i> Salm-Dyck wfo--0001433347 | 273 |
| <i>Opuntia serpentina</i> Engelm. wfo--0001287324 | 78 |
| <i>Opuntia setigera</i> (Backeb.) W.T.Marshall wfo--0000386080 | 364 |
| <i>Opuntia setispina</i> Engelm. ex Salm-Dyck wfo--0001289823 | 272 |
| <i>Opuntia setocarpa</i> Arreola-Nava, Guzm.-Hern. & Cuevas wfo--0001433348 | 272 |
| <i>Opuntia shaferi</i> Britton & Rose wfo--0001288639 | 18 |
| <i>Opuntia shaferi</i> var. <i>humahuacana</i> (Backeb.) G.D.Rowley wfo--0001433349 | 19 |
| <i>Opuntia shreveana</i> C.Z.Nelson wfo--0001289841 | 266 |
| <i>Opuntia silvestris</i> Backeb. wfo--0000386082 | 8 |
| <i>Opuntia sinclairii</i> Griffiths wfo--0000386083 | 262 |
| <i>Opuntia skottsbergii</i> Britton & Rose wfo--0001289356 | 318 |
| <i>Opuntia soederstromiana</i> Britton & Rose wfo--0001289372 | 272 |
| <i>Opuntia soehrensii</i> Britton & Rose wfo--0001287293 | 7 |
| <i>Opuntia spathulata</i> (Otto ex Pfeiff.) F.A.C.Weber wfo--0001288066 | 305 |
| <i>Opuntia speciosa</i> Steud. wfo--0000386075 | 85 |
| <i>Opuntia spectatissima</i> (Daston) G.D.Rowley wfo--0000386074 | 253 |
| <i>Opuntia spegazzinii</i> F.A.C.Weber wfo--0001288637 | 333 |
| <i>Opuntia sphaerica</i> C.F.Först. wfo--0001287434 | 71 |
| <i>Opuntia sphaerica</i> var. <i>rauppiana</i> (K.Schum.) G.D.Rowley wfo--0001289213 | 71 |
| <i>Opuntia sphaerica</i> var. <i>unguispina</i> (Backeb.) G.D.Rowley wfo--0001289214 | 71 |
| <i>Opuntia sphaerocarpa</i> Engelm. & J.M.Bigelow wfo--0000386073 | 266 |
| <i>Opuntia sphaerocarpa</i> var. <i>utahensis</i> Engelm. wfo--0001289954 | 269 |
| <i>Opuntia spinalba</i> Raf. wfo--0000386072 | 258 |
| <i>Opuntia spinaurea</i> Karw. ex Salm-Dyck wfo--0000386071 | 274 |
| <i>Opuntia spiniflora</i> Phil. wfo--0001288624 | 16 |
| <i>Opuntia spinosior</i> (Engelm.) Toumey wfo--0001287008 | 76 |
| <i>Opuntia spinosior</i> var. <i>neomexicana</i> Toumey wfo--0001287389 | 76 |
| <i>Opuntia spinosissima</i> Mill. wfo--0001287146 | 56 |
| <i>Opuntia spinotecta</i> Griffiths wfo--0000386051 | 76 |
| <i>Opuntia spinulifera</i> Salm-Dyck wfo--0001287231 | 272 |
| <i>Opuntia spinulosa</i> Salm-Dyck wfo--0000386062 | 406 |
| <i>Opuntia spirocentra</i> Engelm. & J.M.Bigelow ex Haage wfo--0000386040 | 269 |
| <i>Opuntia splendens</i> Pfeiff. wfo--0000386039 | 269 |
| <i>Opuntia spraguei</i> G.J.Ortega wfo--0001289884 | 274 |
| <i>Opuntia squarrosa</i> Griffiths wfo--0000386038 | 262 |
| <i>Opuntia staffordae</i> Bullock wfo--0001289153 | 272 |
| <i>Opuntia staffordiae</i> Bullock wfo--0001433350 | 71 |
| <i>Opuntia stanleyi</i> Engelm. wfo--0000390781 | 148 |
| <i>Opuntia stanlyi</i> Engelm. wfo--0001287147 | 148 |
| <i>Opuntia stanlyi</i> var. <i>kunzei</i> (Rose) L.D.Benson wfo--0001287148 | 148 |
| <i>Opuntia stanlyi</i> var. <i>parishii</i> (Orcutt) L.D.Benson wfo--0001287149 | 149 |
| <i>Opuntia stanlyi</i> var. <i>parishiorum</i> (Orcutt ex Britton & Rose) L.D.Benson wfo--0001433351 | 149 |
| <i>Opuntia stanlyi</i> var. <i>peeblesiana</i> L.D.Benson wfo--0001287150 | 148 |
| <i>Opuntia stanlyi</i> var. <i>wrightiana</i> (E.M.Baxter) L.D.Benson wfo--0001236964 | 149 |
| <i>Opuntia stapeliae</i> DC. wfo--0000386036 | 78 |
| <i>Opuntia steiniana</i> (Backeb.) G.D.Rowley wfo--0001288640 | 19 |
| <i>Opuntia stellata</i> Salm-Dyck wfo--0001262824 | 75 |
| <i>Opuntia stenarthra</i> K.Schum. wfo--0000385760 | 272 |
| <i>Opuntia stenochila</i> Engelm. & J.M.Bigelow wfo--0001287390 | 266 |
| <i>Opuntia stenopetala</i> Engelm. wfo--0001289910 | 272 |
| <i>Opuntia stenopetala</i> var. <i>inerme</i> Bravo wfo--0001433352 | 272 |
| <i>Opuntia stipata</i> (J.M.Coult.) K.Schum. wfo--0000385759 | 77 |
| <i>Opuntia straminea</i> Sencke ex Haage wfo--0000385758406 | 77 |
| <i>Opuntia streptacantha</i> Lem. wfo--0001287009 | 272 |
| <i>Opuntia streptacantha</i> subsp. <i>aguirriana</i> Scheinvar & A.Rodr. wfo--0001433353 | 272 |
| <i>Opuntia streptacantha</i> var. <i>pachona</i> (Griffiths) K.Hammer wfo--0001433354 | 272 |
| <i>Opuntia stricta</i> (Haw.) Haw. wfo--0000385755 | 272 |
| <i>Opuntia stricta</i> subsp. <i>esparzae</i> Scheinvar wfo--0001433355 | 273 |
| <i>Opuntia stricta</i> var. <i>dillenii</i> (Ker Gawl.) L.D.Benson wfo--0000390774 | 273 |
| <i>Opuntia stricta</i> var. <i>reizii</i> (Scheinvar) Scheinvar & A.Rodr. wfo--0001433356 | 273 |
| <i>Opuntia stricta</i> var. <i>stricta</i> wfo--0001287419 | 272 |
| <i>Opuntia strigii</i> var. <i>flexospina</i> (Griffiths) L.D.Benson wfo--0000385861 | 262 |
| <i>Opuntia strigil</i> Engelm. wfo--0001287151 | 273 |
| <i>Opuntia strobiliformis</i> A.Berger wfo--0000385850 | 363 |
| <i>Opuntia subarmata</i> Griffiths wfo--0001287152 | 262 |
| <i>Opuntia subferox</i> Schott ex Pfeiff. wfo--0000385849 | 265 |
| <i>Opuntia subg. Brasiliopuntia</i> K.Schum. wfo--3500004021 | 33 |
| <i>Opuntia subg. Cylindropuntia</i> Engelm. wfo--3500004044 | 72 |
| <i>Opuntia subg. Platopuntia</i> Engelm. wfo--3500004017 | 256 |
| <i>Opuntia subinermis</i> Backeb. wfo--0001284015 | 69 |
| <i>Opuntia subsphaerocarpa</i> Speg. wfo--0000385847 | 272 |

| | | | |
|---|-----|---|-----|
| <i>Opuntia subterranea</i> R.E.Fr. wfo--0001289358 | 72 | <i>Opuntia tilcarensis</i> var. <i>rubellispina</i> Backeb. wfo-- | 9 |
| <i>Opuntia subulata</i> (Muehlenpf.) Engelm. wfo--0000385846 | 19 | 0001433364 | 9 |
| ..... | 19 | <i>Opuntia tomentella</i> A.Berger wfo--0000386034 | 274 |
| <i>Opuntia subulata</i> var. <i>exaltata</i> (A.Berger) G.D.Rowley wfo- | 17 | <i>Opuntia tomentosa</i> Salm-Dyck wfo--0001287153 | 274 |
| --0001433357 | 17 | <i>Opuntia tomentosa</i> var. <i>hernandezii</i> (DC.) Bravo wfo-- | 274 |
| <i>Opuntia sulphurea</i> Gillies ex Salm-Dyck wfo--0001289360 | 273 | 0001289108 | 274 |
| ..... | 273 | <i>Opuntia tomentosa</i> var. <i>herrerae</i> Scheinvar wfo-- | 274 |
| <i>Opuntia sulphurea</i> subsp. <i>brachyacantha</i> (F.Ritter) | 273 | 0001433365 | 274 |
| P.J.Braun & Esteves wfo--0001263007 | 273 | <i>Opuntia tomentosa</i> var. <i>rileyi</i> (J.G.Ortega) Backeb. wfo-- | 274 |
| <i>Opuntia sulphurea</i> subsp. <i>spinibarbis</i> (F.Ritter) P.J.Braun & | 273 | 0001433366 | 274 |
| Esteves wfo--0001263009 | 273 | <i>Opuntia tomentosa</i> var. <i>spraguei</i> (J.G.Ortega) Backeb. wfo- | 274 |
| <i>Opuntia sulphurea</i> subsp. <i>vulpina</i> (F.A.C.Weber) Guiggi | 273 | --0001433367 | 274 |
| wfo--0001433358 | 273 | <i>Opuntia tortispina</i> Engelm. & J.M.Bigelow wfo-- | 274 |
| <i>Opuntia sulphurea</i> var. <i>hildemanii</i> (Frič) Backeb. wfo-- | 273 | 0001287392 | 274 |
| 0000739008 | 273 | <i>Opuntia tortispina</i> var. <i>cymochila</i> (Engelm. & J.M.Bigelow) | 260 |
| <i>Opuntia sulphurea</i> var. <i>laevior</i> Salm-Dyck wfo-- | 273 | Backeb. wfo--0001289811 | 260 |
| 0001433359 | 273 | <i>Opuntia toumeyii</i> Rose wfo--0000386058 | 268 |
| <i>Opuntia sulphurea</i> var. <i>major</i> Monv. ex Lem. wfo-- | 273 | <i>Opuntia tracyi</i> Britton wfo--0001287472 | 260 |
| 0001433360 | 273 | <i>Opuntia treleasei</i> J.M.Coult. wfo--0001287327 | 258 |
| <i>Opuntia sulphurea</i> var. <i>pallidior</i> Monv. ex Lem. wfo-- | 273 | <i>Opuntia treleasei</i> var. <i>kernii</i> Griffiths & Hare wfo-- | 258 |
| 0001433361 | 273 | 0001433368 | 258 |
| <i>Opuntia sulphurea</i> var. <i>pampeana</i> (Speg.) Backeb. wfo-- | 273 | <i>Opuntia triacantha</i> (Willd.) Sweet wfo--0001287154 .. | 274 |
| 0001433362 | 273 | <i>Opuntia tribuloides</i> Griffiths wfo--0000386055 | 263 |
| <i>Opuntia superbospina</i> Griffiths wfo--0001256659 | 269 | <i>Opuntia trichophora</i> (Engelm. & J.M.Bigelow) Britton & | 270 |
| <i>Opuntia syringacantha</i> Pfeiff. ex C.F.Först. wfo-- | 362 | Rose wfo--0001289671 | 270 |
| 0000385844 | 362 | <i>Opuntia trichopora</i> (Engelm. & J.M.Bigelow) Britton & | 270 |
| <i>Opuntia tapona</i> Engelm. ex J.M.Coult. wfo--0001289799 | 273 | Rose wfo--0001220309 | 270 |
| ..... | 273 | <i>Opuntia tricolor</i> Griffiths wfo--0001289864 | 262 |
| <i>Opuntia tarapacana</i> Phil. wfo--0001289301 | 195 | <i>Opuntia tuberculata</i> Haw. wfo--0000386056 | 266 |
| <i>Opuntia tardospina</i> Griffiths wfo--0001289621 | 262 | <i>Opuntia tuberculosirhopalica</i> (E.F.Wiegand & Backeb.) | 253 |
| <i>Opuntia tayapayensis</i> Cárdenas wfo--0001288153 | 271 | G.D.Rowley wfo--0000386041 | 253 |
| <i>Opuntia taylorii</i> Britton & Rose wfo--0000386035 | 271 | <i>Opuntia tuberiformis</i> Phil. wfo--0000386054 | 362 |
| <i>Opuntia tehuacana</i> S.Arias & U.Guzmán wfo--0001256661 | 273 | <i>Opuntia tuberosa</i> Pfeiff. wfo--0001257524 | 317 |
| ..... | 273 | <i>Opuntia tuberosa</i> var. <i>spinosa</i> Pfeiff. wfo--0001433369 | 317 |
| <i>Opuntia tehuantepecana</i> (Bravo) Bravo wfo--0001289860 | 273 | ..... | 317 |
| ..... | 273 | <i>Opuntia tumida</i> (F.Ritter) D.R.Hunt wfo--0001252377 .. | 71 |
| <i>Opuntia tenuiflora</i> Small wfo--0001287484 | 273 | <i>Opuntia tuna</i> (L.) Mill. wfo--0000386048 | 274 |
| <i>Opuntia tenuispina</i> Engelm. & J.M.Bigelow wfo-- | 274 | <i>Opuntia tuna</i> var. <i>cubaguensis</i> Gentry wfo--0001433370 | 274 |
| 0001289824 | 274 | ..... | 274 |
| <i>Opuntia tephrocactoides</i> (Rauh & Backeb.) G.D.Rowley | 17 | <i>Opuntia tuna</i> var. <i>manse</i> Orcutt wfo--0001433371 | 274 |
| wfo--0001288019 | 17 | <i>Opuntia tuna-blanca</i> Speg. wfo--0000386047 | 263 |
| <i>Opuntia teres</i> Cels ex F.A.C.Weber wfo--0001288641 .. | 19 | <i>Opuntia tunicata</i> (Lehm.) Pfeiff. wfo--0000386046 | 78 |
| <i>Opuntia tesajo</i> Engelm. ex J.M.Coult. wfo--0000386032 | 78 | <i>Opuntia tunicata</i> var. <i>chilensis</i> (F.Ritter) A.E.Hoffm. wfo-- | 79 |
| <i>Opuntia tessellata</i> Engelm. wfo--0000386031 | 78 | 0001433372 | 79 |
| <i>Opuntia tessellata</i> var. <i>crystata</i> K.Schum. wfo-- | 78 | <i>Opuntia tunicata</i> var. <i>davisii</i> (Engelm. & J.M.Bigelow) | 74 |
| 0001253282 | 78 | L.D.Benson wfo--0001287155 | 74 |
| <i>Opuntia testudinis-crus</i> F.A.C.Weber wfo--0001288994 | 56 | <i>Opuntia tunicata</i> var. <i>laevior</i> Salm-Dyck wfo--0001433373 | 78 |
| <i>Opuntia texana</i> Griffiths wfo--0001289619 | 262 | ..... | 78 |
| <i>Opuntia tezontepecana</i> Gallegos & Scheinvar wfo-- | 273 | <i>Opuntia tunoidea</i> Gibbes wfo--0001287393 | 273 |
| 0001433363 | 273 | <i>Opuntia tunoides</i> Britton & Shafer ex Bold. wfo-- | 259 |
| <i>Opuntia thornberi</i> Thornber & Bonker wfo--0001287391 | 73 | 0001258712 | 259 |
| ..... | 73 | <i>Opuntia turbinata</i> Small wfo--0001287486 | 274 |
| <i>Opuntia thurberi</i> Engelm. wfo--0000386029 | 78 | <i>Opuntia turgida</i> Small ex Britton & Rose wfo--0001287477 | 258 |
| <i>Opuntia thurberi</i> subsp. <i>versicolor</i> (Engelm. ex J.M.Coult.) | 78 | ..... | 258 |
| Felger wfo--0001266570 | 78 | <i>Opuntia turpinii</i> Lem. wfo--0000385987 | 362 |
| <i>Opuntia thurberi</i> var. <i>alamosensis</i> (Britton & Rose) Bravo | 78 | <i>Opuntia turpinii</i> var. <i>polymorpha</i> Salm-Dyck wfo-- | 363 |
| wfo--0001289597 | 78 | 0001433374 | 363 |
| <i>Opuntia ticnamarensis</i> (F.Ritter) D.R.Hunt wfo-- | 70 | <i>Opuntia udonis</i> Weing. wfo--0000385986 | 17 |
| 0001252376 | 70 | <i>Opuntia umbrella</i> Steud. wfo--0000385985 | 263 |
| <i>Opuntia tidbaldi</i> J.M.Bigelow wfo--0001289856 | 259 | <i>Opuntia undosa</i> Griffiths wfo--0000385984 | 263 |
| <i>Opuntia tidballii</i> J.M.Bigelow wfo--0000386050 | 259 | <i>Opuntia undulata</i> Griffiths wfo--0001289891 | 274 |
| <i>Opuntia tilcarensis</i> Backeb. wfo--0000386057 | 9 | <i>Opuntia unguispina</i> Backeb. wfo--0001288011 | 71 |

| | | | |
|---|-----|---|-----|
| <i>Opuntia urbaniana</i> Werderm. wfo--0000385983 | 274 | <i>Opuntia vulgaris</i> f. <i>nana</i> (Vis.) Schelle wfo--0001433386 | 271 |
| <i>Opuntia ursina</i> F.A.C.Weber wfo--0001287334 | 270 | <i>Opuntia vulgaris</i> Mill. wfo--0000385881 | 264 |
| <i>Opuntia urumbea</i> (Vell.) Steud. wfo--0001433375 | 267 | <i>Opuntia vulgaris</i> var. <i>balaerica</i> F.A.C.Weber wfo--0001433387 | 273 |
| <i>Opuntia urumbaba</i> (Vell.) Steud. wfo--0001433376 | 267 | <i>Opuntia vulgaris</i> var. <i>lemaireana</i> (Console ex Bois) Backeb. wfo--0001433388 | 268 |
| <i>Opuntia utahensis</i> J.A.Purpus wfo--0000386045 | 269 | <i>Opuntia vulgaris</i> var. <i>major</i> Salm-Dyck wfo--0001433389 | 264 |
| <i>Opuntia utkilio</i> Speg. wfo--0001284028 | 257 | <i>Opuntia vulgaris</i> var. <i>media</i> Salm-Dyck wfo--0001433390 | 264 |
| <i>Opuntia vaginata</i> Engelm. wfo--0001287394 | 77 | <i>Opuntia vulgaris</i> var. <i>nana</i> (Vis.) K.Schum. wfo--0001288889 | 271 |
| <i>Opuntia valentinii</i> (Speg.) Kiessling wfo--0000386044 | 318 | <i>Opuntia vulgaris</i> var. <i>rafinesquei</i> A.Gray wfo--0001433391 | 259 |
| <i>Opuntia valida</i> Griffiths wfo--0000386043 | 262 | <i>Opuntia vulpina</i> F.A.C.Weber wfo--0001284066 | 273 |
| <i>Opuntia velizii</i> Lodé wfo--0001433377 | 275 | <i>Opuntia wagenknechtii</i> (F.Ritter) D.R.Hunt wfo--0001252379 | 197 |
| <i>Opuntia velutina</i> F.A.C.Weber wfo--0001289874 | 275 | <i>Opuntia wagneri</i> F.A.C.Weber wfo--0000385880 | 333 |
| <i>Opuntia velutina</i> var. <i>affinis</i> (Griffiths) Bravo wfo--0001289879 | 275 | <i>Opuntia weberi</i> Speg. wfo--0000385878 | 364 |
| <i>Opuntia velutina</i> var. <i>macdougaliana</i> (Rose) Bravo wfo--0001289877 | 274 | <i>Opuntia weberi</i> var. <i>dispar</i> A.Cast. & H.V.Lelong wfo--0001433392 | 364 |
| <i>Opuntia ventanensis</i> M.A.Long wfo--0001433378 | 275 | <i>Opuntia weberi</i> var. <i>setigera</i> (Backeb.) G.D.Rowley wfo--0001433393 | 364 |
| <i>Opuntia verschaffeltii</i> Cels ex F.A.C.Weber wfo--0000385969 | 364 | <i>Opuntia weingartiana</i> Backeb. wfo--0001288645 | 18 |
| <i>Opuntia verschaffeltii</i> var. <i>floribunda</i> Borg wfo--0001433379 | 364 | <i>Opuntia wentiana</i> Britton & Rose wfo--0000385904 | 259 |
| <i>Opuntia verschaffeltii</i> var. <i>hypsochila</i> (Speg.) G.D.Rowley wfo--0001433380 | 364 | <i>Opuntia wernerii</i> Eggl. wfo--0000385895 | 361 |
| <i>Opuntia verschaffeltii</i> var. <i>longispina</i> (Backeb.) G.D.Rowley wfo--0001288643 | 364 | <i>Opuntia wetmorei</i> Britton & Rose wfo--0000385898 | 196 |
| <i>Opuntia versicolor</i> Engelm. ex J.M.Coult. wfo--0001287076 | 78 | <i>Opuntia whipplei</i> Engelm. & J.M.Bigelow wfo--0000385899 | 79 |
| <i>Opuntia versicolor</i> Engelm. ex Toumey wfo--0000385889 | 78 | <i>Opuntia whipplei</i> var. <i>enodis</i> Peebles wfo--0001241549 | 79 |
| <i>Opuntia verticosa</i> Weing. wfo--0000385888 | 17 | <i>Opuntia whipplei</i> var. <i>laevior</i> Engelm. wfo--000126657179 | 79 |
| <i>Opuntia vestita</i> f. <i>intermedia</i> (Backeb.) Krainz wfo--0001433381 | 19 | <i>Opuntia whipplei</i> var. <i>multigeniculata</i> (Clokey) L.D.Benson wfo--0001289951 | 77 |
| <i>Opuntia vestita</i> f. <i>maior</i> (Backeb.) Krainz wfo--0001433382 | 19 | <i>Opuntia whipplei</i> var. <i>spinosior</i> Engelm. wfo--0000390788 | 76 |
| <i>Opuntia vestita</i> Salm-Dyck wfo--0001288644 | 19 | <i>Opuntia whipplei</i> var. <i>viridiflora</i> (Britton & Rose) L.D.Benson wfo--0001269369 | 79 |
| <i>Opuntia vestita</i> var. <i>chuisacana</i> (Cárdenas) G.D.Rowley wfo--0001433383 | 19 | <i>Opuntia whitneyana</i> E.M.Baxter wfo--0001287329 | 258 |
| <i>Opuntia vexans</i> Griffiths wfo--0001287395 | 75 | <i>Opuntia whitneyana</i> var. <i>albiflora</i> E.M.Baxter wfo--0001433394 | 258 |
| <i>Opuntia vilis</i> Rose wfo--0001289660 | 149 | <i>Opuntia wiegandii</i> (Backeb.) G.D.Rowley wfo--0000385900 | 253 |
| <i>Opuntia violacea</i> Engelm. ex B.D.Jacks. wfo--0001287010 | 266 | <i>Opuntia wigginsii</i> L.D.Benson wfo--0001287412 | 74 |
| <i>Opuntia violacea</i> Engelm. wfo--0001286159 | 266 | <i>Opuntia wilcoxii</i> Britton & Rose wfo--0001289872 | 275 |
| <i>Opuntia violacea</i> var. <i>castetteri</i> L.D.Benson wfo--0001287011 | 266 | <i>Opuntia wilkeana</i> (Backeb.) G.D.Rowley wfo--0001284009 | 69 |
| <i>Opuntia violacea</i> var. <i>gosseliniana</i> (F.A.C.Weber) L.D.Benson wfo--0001287156 | 264 | <i>Opuntia winteriana</i> A.Berger wfo--0000385901 | 262 |
| <i>Opuntia violacea</i> var. <i>macrocentra</i> (Engelm.) L.D.Benson wfo--0001287157 | 266 | <i>Opuntia wolfii</i> (L.D.Benson) M.A.Baker wfo--0001289534 | 79 |
| <i>Opuntia violacea</i> var. <i>santarita</i> (Griffiths & Hare) L.D.Benson wfo--0001287158 | 272 | <i>Opuntia woodsii</i> Backeb. wfo--0000385903 | 275 |
| <i>Opuntia violacea</i> var. <i>santa-rita</i> (Griffiths & Hare) L.D.Benson wfo--0001433384 | 264 | <i>Opuntia wootonii</i> Griffiths wfo--0001256668 | 268 |
| <i>Opuntia virens</i> Ten. wfo--0000385887 | 421 | <i>Opuntia wrightiana</i> (E.M.Baxter) Peebles wfo--0001287350 | 149 |
| <i>Opuntia virgata</i> C.F.Först. wfo--0000385886 | 77 | <i>Opuntia wrightii</i> Engelm. wfo--0001287396 | 76 |
| <i>Opuntia virgata</i> Pfeiff. wfo--0000385885 | 77 | <i>Opuntia xanthoglochla</i> Griffiths wfo--0000385894 | 266 |
| <i>Opuntia viridirubra</i> (F.Ritter) P.J.Braun & Esteves wfo--0001256664 | 257 | <i>Opuntia xanthostemma</i> K.Schum. wfo--0001266535 | 270 |
| <i>Opuntia viridirubra</i> subsp. <i>rubrogemma</i> (F.Ritter) P.J.Braun & Esteves wfo--0001263066 | 261 | <i>Opuntia xerocarpa</i> Griffiths wfo--0000385893 | 270 |
| <i>Opuntia vitelliniflora</i> (F.Ritter) P.J.Braun & Esteves wfo--0001256666 | 257 | <i>Opuntia yanganucensis</i> (Rauh & Backeb.) G.D.Rowley wfo--0001287992 | 18 |
| <i>Opuntia vitelliniflora</i> subsp. <i>interjecta</i> (F.Ritter) P.J.Braun & Esteves wfo--0001433385 | 261 | <i>Opuntia youngii</i> C.Z.Nelson wfo--0000390793 | 267 |
| | | <i>Opuntia zacana</i> J.T.Howell wfo--0001289394 | 261 |

| | | | |
|--|-----|--|-----|
| <i>Opuntia zacuapanensis</i> A.Berger wfo--0000385891 | 265 | <i>Oreocereus maximus</i> Backeb. wfo--0001245809 | 276 |
| <i>Opuntia zamudioi</i> Scheinvar wfo--0001286170 | 265 | <i>Oreocereus neocelsianus</i> Backeb. wfo--0001245810 ... | 276 |
| <i>Opuntia zebrina</i> Small wfo--0001287397 | 273 | <i>Oreocereus neocelsianus</i> var. <i>ruficeps</i> Y.Itô wfo-- | |
| <i>Opuntia zehnderi</i> (Rauh & Backeb.) G.D.Rowley wfo-- | | 0001284040 | 276 |
| 0001288012 | 72 | <i>Oreocereus neocelsianus</i> var. <i>villosissimus</i> Y.Itô wfo-- | |
| <i>Opuntia zuniensis</i> Griffiths wfo--0001289846 | 269 | 0001433404 | 276 |
| <i>Oreocereus</i> (A.Berger) Riccob. wfo--4000027071 | 275 | <i>Oreocereus piscoensis</i> (Rauh & Backeb.) F.Ritter wfo-- | |
| <i>Oreocereus australis</i> (F.Ritter) A.E.Hoffm. wfo-- | | 0001287824 | 32 |
| 0000385884 | 275 | <i>Oreocereus pseudofossulatus</i> D.R.Hunt wfo--0001289772 | |
| <i>Oreocereus bruennowii</i> (J.N.Haage ex Rümpler) Backeb. |  | ..... | 276 |
| wfo--0001284544 | 275 | <i>Oreocereus rettigii</i> (Quehl) Buxb. wfo--0001288006 ... | 276 |
| <i>Oreocereus celsianus</i> (Lem. ex Salm-Dyck) A.Berger ex | | <i>Oreocereus ritteri</i> Cullmann wfo--0001287821 | 277 |
| Riccob. wfo--0001287441 | 275 | <i>Oreocereus tacnaensis</i> F.Ritter wfo--0001287822 | 277 |
| <i>Oreocereus celsianus</i> var. <i>bruennowii</i> (J.N.Haage ex | | <i>Oreocereus trollii</i> (Kupper) Backeb. wfo--0001245811. 277 | |
| Rümpler) Borg wfo--0001284039 | 275 | <i>Oreocereus trollii</i> var. <i>crassiniveus</i> (Backeb.) Backeb. wfo-- | |
| <i>Oreocereus celsianus</i> var. <i>lanuginosior</i> Salm-Dyck ex | | 0001433405 | 277 |
| Riccob. wfo--0001433395 | 276 | <i>Oreocereus trollii</i> var. <i>tenuior</i> Backeb. wfo--0001433406 | |
| <i>Oreocereus celsianus</i> var. <i>ritteri</i> Krainz wfo--0001289229 |  | ..... | 277 |
| ..... | 277 | <i>Oreocereus varicolor</i> Backeb. wfo--0001287295 | 277 |
| <i>Oreocereus celsianus</i> var. <i>varicolor</i> (Backeb.) Krainz wfo-- | | <i>Oreocereus variicolor</i> Backeb. wfo--0001433407 | 276 |
| 0001288252 | 277 | <i>Oreocereus variicolor</i> var. <i>tacnaensis</i> Backeb. wfo-- | |
| <i>Oreocereus crassiniveus</i> Backeb. wfo--0001245807 | 277 | 0001433408 | 277 |
| <i>Oreocereus doelzianus</i> (Backeb.) Borg wfo--0001288013 | | <i>Oroya baumannii</i> Kníže wfo--0001287904 | 277 |
| ..... | 276 | <i>Oroya baumannii</i> var. <i>baumannii</i> wfo--0001289154 ... | 277 |
| <i>Oreocereus doelzianus</i> subsp. <i>calvus</i> (Rauh & Backeb.) | | <i>Oroya baumannii</i> var. <i>rubripina</i> Kníže wfo--0001433409 | |
| Mottram wfo--0001433396 | 276 | ..... | 277 |
| <i>Oreocereus doelzianus</i> subsp. <i>doelzianus</i> wfo-- | | <i>Oroya borchersii</i> (Boed.) Backeb. wfo--0001287728 ... | 277 |
| 0001434906 | 276 | <i>Oroya borchersii</i> f. <i>fuscata</i> (Rauh & Backeb.) Krainz wfo-- | |
| <i>Oreocereus doelzianus</i> subsp. <i>sericatus</i> (F.Ritter) Mottram | | 0001433410 | 277 |
| wfo--0001433397 | 276 | <i>Oroya borchersii</i> var. <i>fuscata</i> Rauh & Backeb. wfo-- | |
| <i>Oreocereus doelzianus</i> var. <i>sericatus</i> (F.Ritter) Lodé wfo-- | | 0001287729 | 277 |
| 0001433398 | 276 | <i>Oroya</i> Britton & Rose wfo--4000027228 | 277 |
| <i>Oreocereus fossulatus</i> (Labour.) Backeb. wfo-- | | <i>Oroya gibbosa</i> F.Ritter wfo--0001287902 | 278 |
| 0001289530 | 276 | <i>Oroya gibbosa</i> var. <i>citriflora</i> Kníže wfo--0001287903 .. | 277 |
| <i>Oreocereus fossulatus</i> var. <i>gracilior</i> (K.Schum.) Backeb. | | <i>Oroya laxiareolata</i> Rauh & Backeb. wfo--0001287721. 277 | |
| wfo--0001433399 | 275 | <i>Oroya laxiareolata</i> var. <i>pluricentralis</i> Backeb. wfo-- | |
| <i>Oreocereus fossulatus</i> var. <i>lanuginosior</i> (Salm-Dyck ex | | 0001289206 | 277 |
| K.Schum.) W.T.Marshall wfo--0001433400 | 276 | <i>Oroya neoperuviana</i> Backeb. wfo--0001287725 | 277 |
| <i>Oreocereus fossulatus</i> var. <i>rubrispinus</i> F.Ritter wfo-- | | <i>Oroya neoperuviana</i> var. <i>depressa</i> Rauh & Backeb. wfo-- | |
| 0001433401 | 276 | 0001289408 | 277 |
| <i>Oreocereus hempelianus</i> (Gürke) D.R.Hunt wfo-- | | <i>Oroya neoperuviana</i> var. <i>ferruginea</i> Rauh & Backeb. wfo-- | |
| 0001288015 | 276 | 0001287726 | 277 |
| <i>Oreocereus hendriksenianus</i> Backeb. wfo--0001245808 | | <i>Oroya neoperuviana</i> var. <i>tenuispina</i> Rauh & Backeb. wfo-- | |
| ..... | 276 | 0001287727 | 277 |
| <i>Oreocereus hendriksenianus</i> f. <i>densilanatus</i> (Rauh & | | <i>Oroya peruviana</i> (K.Schum.) Britton & Rose wfo-- | |
| Backeb.) Krainz wfo--0001433402 | 277 | 0001287451 | 277 |
| <i>Oreocereus hendriksenianus</i> f. <i>spinosissimus</i> (Rauh & | | <i>Oroya peruviana</i> var. <i>baumannii</i> (Kníže) Slaba wfo-- | |
| Backeb.) Krainz wfo--0001433403 | 277 | 0001289205 | 277 |
| <i>Oreocereus hendriksenianus</i> var. <i>densilanatus</i> Rauh & | | <i>Oroya peruviana</i> var. <i>citriflora</i> (Kníže) Slaba wfo-- | |
| Backeb. wfo--0001287583 | 277 | 0001433411 | 277 |
| <i>Oreocereus hendriksenianus</i> var. <i>hendriksenianus</i> wfo-- | | <i>Oroya peruviana</i> var. <i>conaikensis</i> Donald & A.B.Lau wfo-- | |
| 0001287294 | 276 | 0001433412 | 278 |
| <i>Oreocereus hendriksenianus</i> var. <i>spinosissimus</i> Rauh & | | <i>Oroya peruviana</i> var. <i>depressa</i> (Rauh & Backeb.) Rauh & | |
| Backeb. wfo--0001287584 | 277 | Backeb. wfo--0001287720 | 277 |
| <i>Oreocereus horridispinus</i> F.Ritter & Krainz wfo-- | | <i>Oroya peruviana</i> var. <i>neoperuviana</i> (Backeb.) Slaba wfo-- | |
| 0001289230 | 277 | 0001433413 | 277 |
| <i>Oreocereus irigoyenii</i> Frič wfo--0001284131 | 277 | <i>Oroya peruviana</i> var. <i>pluricentralis</i> (Backeb.) F.Ritter wfo-- | |
| <i>Oreocereus knizei</i> Hewitt & Donald wfo--0001288007 .. | 277 | 0001433414 | 277 |
| <i>Oreocereus lanatus</i> (Kunth) Britton & Rose wfo-- | | <i>Oroya subocculata</i> Rauh & Backeb. wfo--0001287722 .. | 277 |
| 0001287746 | 133 | <i>Oroya subocculata</i> var. <i>albispina</i> Rauh & Backeb. wfo-- | |
| <i>Oreocereus leucotrichus</i> (Phil.) Wagenkn. wfo-- | | 0001287723 | 277 |
| 0001288020 | 276 | | |

| | | | |
|--|---------|--|-----|
| <i>Oroya subocculata</i> var. <i>fusca</i> Rauh & Backeb. wfo-- 0001287724..... | 277 | <i>Pachycereus militaris</i> (Audot) P.V.Heath wfo--0001255993 | 278 |
| <i>Oroya subocculata</i> var. <i>laxiareolata</i> (Rauh & Backeb.) Slaba wfo--0001433415..... | 277 | <i>Pachycereus orcuttii</i> (K.Brandegee) Britton & Rose wfo-- 0000398341..... | 394 |
| <i>Oroya subocculata</i> var. <i>pluricentralis</i> (Backeb.) Slaba wfo-- 0001433416..... | 277 | <i>Pachycereus pecten-aboriginum</i> (Engelm. ex S.Watson) Britton & Rose wfo--0000398340..... | 278 |
| <i>Ortegocactus</i> Alexander wfo--4000027240..... | 48 | <i>Pachycereus pecten-aboriginum</i> subsp. <i>tehuantepecanus</i> (T.MacDoug. & Bravo) P.V.Heath wfo--0000398325 | 278 |
| <i>Ortegocactus macdougalii</i> Alexander wfo--0001288328 | 48, 52 | <i>Pachycereus pringlei</i> (S.Watson) Britton & Rose wfo-- 0000398337..... | 278 |
| <i>Pachycereus orcuttii</i> (K.Brandegee) Moran wfo-- 0001248146..... | 394 | <i>Pachycereus pringlei</i> f. <i>calvus</i> (Engelm. ex J.M.Coult.) P.V.Heath wfo--0000398347..... | 278 |
| <i>Pachycereus pecten-aboriginum</i> Britton wfo-- 0001263380..... | 421 | <i>Pachycereus pringlei</i> f. <i>constrictus</i> P.V.Heath wfo-- 0000398335..... | 278 |
| <i>Pachycereus pringlei</i> Britton wfo--0001263381..... | 421 | <i>Pachycereus pringlei</i> f. <i>cristatus</i> P.V.Heath wfo-- 0000398334..... | 278 |
| <i>Pachycereus</i> (A.Berger) Britton & Rose wfo--4000027642 | 35, 278 | <i>Pachycereus pringlei</i> f. <i>gibbosus</i> P.V.Heath wfo-- 0000398333..... | 192 |
| <i>Pachycereus aragonii</i> (F.A.C.Weber) P.V.Heath wfo-- 0000398269..... | 238 | <i>Pachycereus queretarensis</i> (F.A.C.Weber ex Mathsson) Britton & Rose wfo--0000398332..... | 358 |
| <i>Pachycereus aragonii</i> var. <i>palmatus</i> (F.A.C.Weber) P.V.Heath wfo--0000398268..... | 238 | <i>Pachycereus ruficeps</i> (F.A.C.Weber ex Rol.-Goss.) Britton & Rose wfo--0000398331..... | 37 |
| <i>Pachycereus australis</i> (K.Brandegee) P.V.Heath wfo-- 0001263263..... | 192 | <i>Pachycereus schottii</i> (Engelm.) D.R.Hunt wfo--0000398330 | 192 |
| <i>Pachycereus calvus</i> (Engelm. ex J.M.Coult.) Britton & Rose wfo--0000398267..... | 278 | <i>Pachycereus schottii</i> f. <i>mieckleyanus</i> (Weing.) P.V.Heath wfo--0000398327..... | 192 |
| <i>Pachycereus chrysomallus</i> (Lem.) Britton & Rose wfo-- 0000398266..... | 278 | <i>Pachycereus schottii</i> f. <i>monstrosus</i> (H.E.Gates) P.V.Heath wfo--0000398352..... | 192 |
| <i>Pachycereus columna-trajani</i> (Karw. ex Pfeiff.) Britton & Rose wfo--0000398265..... | 36 | <i>Pachycereus schottii</i> f. <i>sargentianus</i> (Orcutt) P.V.Heath wfo--0000398336..... | 192 |
| <i>Pachycereus eichlamii</i> (Britton & Rose) D.R.Hunt wfo-- 0001433417..... | 238 | <i>Pachycereus schottii</i> f. <i>spiralis</i> (A.M.Carter) P.V.Heath wfo- --0000398338..... | 192 |
| <i>Pachycereus foetidus</i> (T.MacDoug. & Miranda) P.V.Heath wfo--0000398264..... | 278 | <i>Pachycereus schottii</i> var. <i>australis</i> (K.Brandegee) P.V.Heath wfo--0000398328..... | 192 |
| <i>Pachycereus fulviceps</i> (F.A.C.Weber ex K.Schum.) D.R.Hunt wfo--0000398263..... | 36 | <i>Pachycereus schottii</i> var. <i>tenuis</i> (G.E.Linds.) P.V.Heath wfo- --0000398363..... | 192 |
| <i>Pachycereus gatesii</i> (M.E.Jones) D.R.Hunt wfo-- 0000398261..... | 191 | <i>Pachycereus schumannii</i> (Mathsson ex K.Schum.) C.Nelson wfo--0000398362..... | 238 |
| <i>Pachycereus gaumeri</i> Britton & Rose wfo--0000398260 | 278 | <i>Pachycereus</i> sect. <i>Lemaireocereus</i> (Britton & Rose) P.V.Heath wfo--3400012100..... | 174 |
| <i>Pachycereus gibbosus</i> (J.A.Purpus) P.V.Heath wfo-- 0001263262..... | 192 | <i>Pachycereus</i> sect. <i>Lophocereus</i> (A.Berger) P.V.Heath wfo-- 3400012101..... | 191 |
| <i>Pachycereus gigas</i> (Backeb.) Backeb. wfo--0000398316 | 279 | <i>Pachycereus</i> subg. <i>Lemaireocereus</i> (Britton & Rose) Bravo wfo--3500004028..... | 174 |
| <i>Pachycereus grandis</i> Rose wfo--0000398353..... | 278 | <i>Pachycereus tehuantepecanus</i> T.MacDoug. & Bravo wfo-- 0000398361..... | 278 |
| <i>Pachycereus grandis</i> var. <i>gigas</i> Backeb. wfo--0000398605 | 279 | <i>Pachycereus tepamo</i> S.Gama-López & S.Arias wfo-- 0000398360..... | 279 |
| <i>Pachycereus hollianus</i> (F.A.C.Weber ex J.M.Coult.) Buxb. wfo--0000398287..... | 174 | <i>Pachycereus tetetzo</i> (F.A.C.Weber ex K.Schum.) Ochot. wfo--0000398359..... | 38 |
| <i>Pachycereus hollianus</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001433418..... | 174 | <i>Pachycereus titan</i> (Engelm. ex J.M.Coult.) Britton & Rose wfo--0000398358..... | 278 |
| <i>Pachycereus lepidanthus</i> (Eichlam) Britton & Rose wfo-- 0000398346..... | 174 | <i>Pachycereus weberi</i> (J.M.Coult.) Backeb. wfo-- 0000398357..... | 279 |
| <i>Pachycereus marginatus</i> (DC.) Britton & Rose wfo-- 0001289475..... | 192 | <i>Pachycereus weberi</i> var. <i>gigas</i> (Backeb.) P.V.Heath wfo-- 0000398356..... | 279 |
| <i>Pachycereus marginatus</i> f. <i>gibbosus</i> (J.A.Purpus) P.V.Heath wfo--0000398344..... | 192 | <i>Parodia aconquijaensis</i> Weskamp wfo--0000398355... 293 | |
| <i>Pachycereus marginatus</i> var. <i>gemmatus</i> (Otto ex Pfeiff.) P.V.Heath wfo--0000398345..... | 192 | <i>Parodia agasta</i> F.H.Brandt wfo--0000398354..... 297 | |
| <i>Pachycereus marginatus</i> var. <i>oaxacensis</i> (Backeb.) P.V.Heath wfo--0000398343..... | 192 | <i>Parodia aglaisma</i> F.H.Brandt wfo--0001246805..... 297 | |
| <i>Pachycereus militaris</i> (Audot) D.R.Hunt wfo--0000398342 | 278 | <i>Parodia alacriportana</i> Backeb. & Voll wfo--0001255996 | 279 |

| | | | |
|---|-----|---|-----|
| <i>Parodia alacriportana</i> subsp. <i>brevihamata</i> (W.Haage ex Backeb.) Hofacker & P.J.Braun wfo--0001255998..... | 279 | <i>Parodia brevihamata</i> W.Haage ex Backeb. wfo--0001255997 | 279 |
| <i>Parodia alacriportana</i> subsp. <i>buenekeri</i> (Buining) Hofacker & P.J.Braun wfo--0001256000..... | 279 | <i>Parodia buenekeri</i> Buining wfo--0001255999 | 279 |
| <i>Parodia alacriportana</i> subsp. <i>catarinensis</i> (F.Ritter) Hofacker & P.J.Braun wfo--0001256001 | 280 | <i>Parodia buenekeri</i> var. <i>intermedia</i> (F.Ritter) F.H.Brandt wfo--0001433432 | 280 |
| <i>Parodia albofuscata</i> F.H.Brandt wfo--0000398635 | 292 | <i>Parodia buiningii</i> (Buxb.) N.P.Taylor wfo--0001256006 | 280 |
| <i>Parodia allosiphon</i> (Marchesi) N.P.Taylor wfo--0001256004..... | 280 | <i>Parodia buxbaumiana</i> F.H.Brandt wfo--0001246811 ... | 280 |
| <i>Parodia amambayensis</i> (Werderm.) Borg wfo--0000398350..... | 291 | <i>Parodia cabracorralensis</i> Piens wfo--0000398323 | 293 |
| <i>Parodia amblayensis</i> F.H.Brandt wfo--0000398349 | 293 | <i>Parodia cachiana</i> Weskamp wfo--0000398322 | 287 |
| <i>Parodia ampliocostata</i> (F.Ritter) F.H.Brandt wfo--0000398348 | 298 | <i>Parodia caespitosa</i> (Speg.) N.P.Taylor wfo--0000398317 | 281 |
| <i>Parodia andreae</i> F.H.Brandt wfo--0001284389 | 297 | <i>Parodia caineana</i> F.H.Brandt wfo--0000747458 | 300 |
| <i>Parodia andreaeoides</i> F.H.Brandt wfo--0001246807 | 297 | <i>Parodia calvescens</i> (N.Gerloff & A.D.Nilson) Anceschi & Magli wfo--0001433433..... | 280 |
| <i>Parodia applanata</i> (Hoffm. & Backeb.) F.H.Brandt wfo--0001284381..... | 298 | <i>Parodia camargensis</i> Buining & F.Ritter wfo--0001264581 | 297 |
| <i>Parodia argerichiana</i> Weskamp wfo--0000398307..... | 292 | <i>Parodia camargensis</i> var. <i>camblayana</i> F.Ritter wfo--0001284342 | 297 |
| <i>Parodia arnostiana</i> (Lisal & Kolarik) Hofacker wfo--0000398326..... | 283 | <i>Parodia camargensis</i> var. <i>castanea</i> F.Ritter wfo--0001284358 | 297 |
| <i>Parodia atroviridis</i> Backeb. wfo--0000398315 | 286 | <i>Parodia camargensis</i> var. <i>prolifera</i> F.Ritter wfo--0000398619 | 297 |
| <i>Parodia augustini</i> Weskamp wfo--0000398314 | 295 | <i>Parodia camblayana</i> (F.Ritter) F.H.Brandt wfo--0001284340 | 297 |
| <i>Parodia aureicentra</i> Backeb. wfo--0001256005..... | 280 | <i>Parodia camblayana</i> var. <i>rubra</i> F.H.Brandt wfo--0001433434 | 297 |
| <i>Parodia aureicentra</i> var. <i>albifusca</i> F.Ritter wfo--0001433419 | 280 | <i>Parodia camblayoides</i> F.H.Brandt wfo--0000398321 ... | 421 |
| <i>Parodia aureicentra</i> var. <i>lateritia</i> Backeb. wfo--0001433420..... | 280 | <i>Parodia campestris</i> F.H.Brandt wfo--0000398612..... | 292 |
| <i>Parodia aureicentra</i> var. <i>muhrii</i> (F.H.Brandt) J.G.Lamb. wfo--0001433421..... | 280 | <i>Parodia candidata</i> F.H.Brandt wfo--0000398320 | 300 |
| <i>Parodia aureicentra</i> var. <i>omniaurea</i> F.Ritter wfo--0001433422..... | 280 | <i>Parodia capillitaensis</i> F.H.Brandt wfo--0000398319..... | 292 |
| <i>Parodia aureicentra</i> var. <i>rauschii</i> (Backeb. ex D.R.Hunt) J.G.Lamb. wfo--0001433423 | 280 | <i>Parodia carambeiensis</i> (Buining & Brederoo) Hofacker wfo--0000398318..... | 280 |
| <i>Parodia aureicentra</i> var. <i>variicolor</i> (F.Ritter) J.G.Lamb. wfo--0001433424 | 280 | <i>Parodia carapariana</i> F.H.Brandt wfo--0001246812..... | 285 |
| <i>Parodia aureispina</i> Backeb. wfo--0000398312 | 291 | <i>Parodia cardenasii</i> F.Ritter wfo--0001284354 | 285 |
| <i>Parodia aureispina</i> var. <i>elegans</i> Backeb. wfo--0001433425 | 291 | <i>Parodia cardenasii</i> var. <i>maior</i> F.H.Brandt wfo--0001433435 | 292 |
| <i>Parodia aureispina</i> var. <i>erythrantha</i> (Speg.) F.H.Brandt wfo--0001433426..... | 291 | <i>Parodia carminata</i> Backeb. wfo--0000398189 | 299 |
| <i>Parodia aureispina</i> var. <i>erythrostaminea</i> F.H.Brandt wfo--0001433427..... | 292 | <i>Parodia carrerana</i> Cárdenas wfo--0001264580..... | 297 |
| <i>Parodia aureispina</i> var. <i>grandiflora</i> Y.Itô wfo--0001433428 | 293 | <i>Parodia castanea</i> (F.Ritter) F.Ritter wfo--0001284357 | 297 |
| <i>Parodia aureispina</i> var. <i>mutabilis</i> (Backeb.) Käsinger wfo--0001433429..... | 291 | <i>Parodia catamarcensis</i> Backeb. wfo--0000398220..... | 291 |
| <i>Parodia ayopayana</i> Cárdenas wfo--0001288162 | 280 | <i>Parodia catamarcensis</i> var. <i>albispina</i> Y.Itô wfo--0001433436 | 292 |
| <i>Parodia ayopayana</i> var. <i>elata</i> F.Ritter wfo--0001433430 | 280 | <i>Parodia catamarcensis</i> var. <i>mesembrina</i> (F.H.Brandt) Käsinger wfo--0001433437 | 292 |
| <i>Parodia backebergiana</i> F.H.Brandt wfo--0001284394 | 300 | <i>Parodia catamarcensis</i> var. <i>riojensis</i> (F.Ritter & Weskamp) J.G.Lamb. wfo--0001433438 | 292 |
| <i>Parodia belenensis</i> Weskamp wfo--0000398309 | 293 | <i>Parodia catamarcensis</i> var. <i>rubriflorens</i> Backeb. wfo--0001433439 | 291 |
| <i>Parodia bellavistana</i> F.H.Brandt wfo--0001246808 | 285 | <i>Parodia catarinensis</i> (F.Ritter) F.H.Brandt wfo--0000398218 | 280 |
| <i>Parodia belliata</i> F.H.Brandt wfo--0001246809..... | 297 | <i>Parodia cebilarensis</i> Weskamp wfo--0000398217..... | 293 |
| <i>Parodia bermejoensis</i> F.H.Brandt wfo--0001246810 | 289 | <i>Parodia chaetocarpa</i> F.Ritter wfo--0001284353 | 285 |
| <i>Parodia betaniana</i> F.Ritter wfo--0000398308..... | 292 | <i>Parodia challamarcana</i> F.H.Brandt wfo--0001284377 | 297 |
| <i>Parodia bilbaoensis</i> Cárdenas wfo--0001284390 | 300 | <i>Parodia chirimoyarana</i> F.W.Brandt wfo--0001246813 | 285 |
| <i>Parodia borealis</i> F.Ritter wfo--0001284373 | 280 | <i>Parodia chlorocarpa</i> F.Ritter wfo--0000398212 | 292 |
| <i>Parodia brasiliensis</i> Speg. wfo--0000398311 | 290 | <i>Parodia chrysacanthion</i> (K.Schum.) Backeb. wfo--0001256009 | 281 |
| <i>Parodia brevihamata</i> var. <i>mollispina</i> (F.Ritter) F.H.Brandt wfo--0001433431 | 280 | <i>Parodia cintiensis</i> F.Ritter wfo--0001284359..... | 297 |
| | | <i>Parodia claviceps</i> (F.Ritter) F.H.Brandt wfo--0000398215 | 281 |
| | | <i>Parodia columnaris</i> Cárdenas wfo--0001288160..... | 281 |

| | | | |
|--|-----|--|-----|
| <i>Parodia columnaris</i> var. <i>ochraceiflora</i> F.Ritter wfo-- 0001433440..... | 281 | <i>Parodia gaucha</i> M.Machado & Larocca wfo--0000509919 | 286 |
| <i>Parodia comarapana</i> Cárdenas wfo--0001245812 | 281 | <i>Parodia gibbulosa</i> F.Ritter wfo--0001246818 | 286 |
| <i>Parodia comarapana</i> var. <i>paucicostata</i> F.Ritter wfo-- 0001433441..... | 281 | <i>Parodia gibbulosoides</i> F.H.Brandt wfo--0001284355 ... | 286 |
| <i>Parodia commutans</i> F.Ritter wfo--0001256010 | 281 | <i>Parodia gigantea</i> Frič ex Krainz wfo--0000398198 | 299 |
| <i>Parodia comosa</i> F.Ritter wfo--0001284374 | 280 | <i>Parodia glaucina</i> (F.Ritter) Hofacker & M.Machado wfo-- 0001433448 | 296 |
| <i>Parodia compressa</i> F.Ritter wfo--0001284343..... | 294 | <i>Parodia glischrocarpa</i> F.Ritter wfo--0000398197 | 292 |
| <i>Parodia concinna</i> (Monv.) N.P.Taylor wfo--0001256011 | 281 | <i>Parodia gokrauseana</i> Heinrich wfo--0000398196 | 299 |
| <i>Parodia concinna</i> subsp. <i>agnetae</i> (Vliet) Hofacker wfo-- 0001256012..... | 282 | <i>Parodia gracilis</i> F.Ritter wfo--0001284356 | 297 |
| <i>Parodia concinna</i> subsp. <i>blaauwiana</i> (Vliet) Hofacker wfo-- -0001256013 | 282 | <i>Parodia graessneri</i> (K.Schum.) F.H.Brandt wfo-- 0000398194 | 286 |
| <i>Parodia copavilquensis</i> Weskamp wfo--0000398216..... | 295 | <i>Parodia grandiflora</i> Veverka wfo--0000398193 | 293 |
| <i>Parodia cotacajensis</i> F.H.Brandt wfo--0001246814 | 280 | <i>Parodia grossei</i> (K.Schum.) F.H.Brandt wfo--0000398192 | 298 |
| <i>Parodia crassigibba</i> (F.Ritter) N.P.Taylor wfo--0001256017 | 282 | <i>Parodia grossei</i> var. <i>aureispina</i> (F.Ritter) F.H.Brandt wfo-- 0001433449 | 298 |
| <i>Parodia crucinigricentra</i> Subík wfo--0000398234 | 294 | <i>Parodia guachipasana</i> Weskamp wfo--0000398190 | 293 |
| <i>Parodia crucinigricentra</i> var. <i>sibalii</i> Subík wfo-- 0001433442..... | 294 | <i>Parodia gummifera</i> Backeb. & Voll wfo--0000398199 . | 376 |
| <i>Parodia culpiniensis</i> F.H.Brandt wfo--0001284386 | 299 | <i>Parodia gutkunstiana</i> Backeb. wfo--0000398188..... | 299 |
| <i>Parodia curvispina</i> (F.Ritter) D.R.Hunt wfo--0001252382 | 282 | <i>Parodia haageana</i> F.H.Brandt wfo--0001246819 | 289 |
| <i>Parodia dextrohamata</i> Backeb. wfo--0000398233 | 286 | <i>Parodia haemantha</i> Y.Itô wfo--0000398187 | 291 |
| <i>Parodia dextrohamata</i> var. <i>stenopetala</i> Backeb. wfo-- 0001433443..... | 287 | <i>Parodia haselbergii</i> (F.Haage ex Rümpler) F.H.Brandt wfo-- -0001256023 | 286 |
| <i>Parodia dichroacantha</i> F.H.Brandt & Weskamp wfo-- 0000398232..... | 287 | <i>Parodia haselbergii</i> f. <i>albisetata</i> (Cullmann) Trager wfo-- 0001433450 | 286 |
| <i>Parodia diersiana</i> Jucker wfo--0001433444 | 283 | <i>Parodia haselbergii</i> f. <i>microdasys</i> (P.J.Braun) P.J.Braun wfo--0001433451 | 286 |
| <i>Parodia echinopsoides</i> F.H.Brandt wfo--0001246815 | 281 | <i>Parodia haselbergii</i> subsp. <i>graessneri</i> (K.Schum.) Hofacker & P.J.Braun wfo--0001256025 | 286 |
| <i>Parodia echinus</i> F.Ritter wfo--0001284375 | 280 | <i>Parodia haselbergii</i> subsp. <i>haselbergii</i> wfo--0001433452 | 286 |
| <i>Parodia elachisantha</i> (F.A.C.Weber) F.H.Brandt wfo-- 0000398231..... | 286 | <i>Parodia hausteiniana</i> Rausch wfo--0001256026 | 286 |
| <i>Parodia elachista</i> F.H.Brandt wfo--0001246816 | 295 | <i>Parodia hegeri</i> Diers, Krahn & Beckert wfo--0001276607 | 286 |
| <i>Parodia elata</i> F.H.Brandt wfo--0000398229 | 280 | <i>Parodia herteri</i> (Werderm.) N.P.Taylor wfo--0001256027 | 286 |
| <i>Parodia erinacea</i> (Haw.) N.P.Taylor wfo--0001256018 | 283 | <i>Parodia herzogii</i> Rausch wfo--0000398205 | 292 |
| <i>Parodia erubescens</i> (Osten) D.R.Hunt wfo--0001252384 | 285 | <i>Parodia heteracantha</i> F.Ritter ex Weskamp wfo-- 0000398206 | 287 |
| <i>Parodia erythrantha</i> (Speg.) Backeb. & F.M.Knuth wfo-- 0000398237..... | 291 | <i>Parodia heyeriana</i> Weskamp wfo--0000398191 | 293 |
| <i>Parodia erythrantha</i> (Speg.) Y.Itô wfo--0000398228 | 291 | <i>Parodia horrida</i> f. <i>lohaniana</i> (A.B.Lau & Weskamp) Käsinger wfo--0001433453 | 287 |
| <i>Parodia erythrantha</i> var. <i>thionantha</i> (Speg.) Backeb. wfo-- 0001433445..... | 291 | <i>Parodia horrida</i> F.W.Brandt wfo--0001256043 | 286 |
| <i>Parodia escayachensis</i> (Vaupel) Backeb. wfo--0001284360 | 289 | <i>Parodia horrida</i> var. <i>cachiana</i> (Weskamp) Käsinger wfo-- 0001433454 | 287 |
| <i>Parodia exquisita</i> F.H.Brandt wfo--0000398227 | 294 | <i>Parodia horrida</i> var. <i>dichroacantha</i> (F.H.Brandt & Weskamp) Käsinger wfo--0001433455 | 287 |
| <i>Parodia faustiana</i> Backeb. wfo--0000398226 | 294 | <i>Parodia horrida</i> var. <i>heteracantha</i> (F.Ritter ex Weskamp) Käsinger wfo--0001433456 | 287 |
| <i>Parodia faustiana</i> var. <i>tenuispina</i> Backeb. wfo-- 0001433446..... | 294 | <i>Parodia horrida</i> var. <i>pluricentralis</i> Käsinger wfo-- 0001433457 | 287 |
| <i>Parodia fechseri</i> Backeb. wfo--0000398225..... | 291 | <i>Parodia horstii</i> (F.Ritter) N.P.Taylor wfo--0001256028 | 287 |
| <i>Parodia firmisissima</i> F.H.Brandt wfo--0000398222 | 300 | <i>Parodia hummeliana</i> A.B.Lau & Weskamp wfo-- 0000398211 | 292 |
| <i>Parodia firmisissima</i> F.H.Brandt wfo--0001246817 | 300 | <i>Parodia hummeliana</i> var. <i>glischrocarpa</i> (F.Ritter) Käsinger wfo--0001433458 | 292 |
| <i>Parodia formosa</i> F.Ritter wfo--0001256019..... | 285 | <i>Parodia hummeliana</i> var. <i>rubristaminea</i> (F.Ritter) Käsinger wfo--0001433459 | 292 |
| <i>Parodia fricana</i> F.H.Brandt wfo--0000398223 | 299 | <i>Parodia ibicuiensis</i> (Prestlé) Anceschi & Magli wfo-- 0001433460 | 287 |
| <i>Parodia fulvispina</i> F.Ritter wfo--0001284361..... | 297 | <i>Parodia idiosa</i> F.H.Brandt wfo--0001284362..... | 300 |
| <i>Parodia fulvispina</i> var. <i>brevihamata</i> F.Ritter wfo-- 0001433447..... | 297 | | |
| <i>Parodia fusca</i> (F.Ritter) Hofacker & P.J.Braun wfo-- 0001256021..... | 286 | | |
| <i>Parodia fuscatoriviridis</i> Backeb. wfo--0000398213 | 291 | | |
| <i>Parodia fuscoviridis</i> Backeb. wfo--0000398610 | 291 | | |

| | | | |
|--|-----|---|----------|
| <i>Parodia ignorata</i> F.H.Brandt wfo--0001284385 | 300 | <i>Parodia macrancistra</i> (K.Schum.) Y.Itô wfo--0000392758 | 291 |
| <i>Parodia islayensis</i> (C.F.Först.) Borg wfo--0000398210 | 119 | <i>Parodia magnifica</i> (F.Ritter) F.H.Brandt wfo--0001256035 | 289 |
| <i>Parodia jujuyana</i> Frič ex R.Šubík wfo--0000398209 | 299 | <i>Parodia mairanana</i> Cárdenas wfo--0001288170 | 289 |
| <i>Parodia kilianana</i> Backeb. wfo--0000398208 | 287 | <i>Parodia mairanana</i> var. <i>atra</i> Backeb. wfo--0001433472 | 289 |
| <i>Parodia kilianana</i> var. <i>dichroacantha</i> (F.H.Brandt & Weskamp) F.H.Brandt wfo--0001433461 | 287 | <i>Parodia maldonadensis</i> (Herter) Hofacker wfo--0001433473 | 289 |
| <i>Parodia knizei</i> F.H.Brandt wfo--0000398609 | 289 | <i>Parodia malyana</i> Rausch wfo--0000392763 | 292 |
| <i>Parodia koehresiana</i> F.H.Brandt wfo--0000398200 | 289 | <i>Parodia malyana</i> subsp. <i>igneiflora</i> F.H.Brandt wfo--0001433474 | 293 |
| <i>Parodia krahnii</i> Weskamp wfo--0001246820 | 300 | <i>Parodia malyana</i> var. <i>igneiflora</i> F.H.Brandt wfo--0001433475 | 292 |
| <i>Parodia krasuckana</i> F.H.Brandt wfo--0001246821 | 300 | <i>Parodia malyana</i> var. <i>rubriflora</i> F.H.Brandt wfo--0001433476 | 293 |
| <i>Parodia ladae</i> Halda & Horáček wfo--0000398204 | 299 | <i>Parodia mammulosa</i> (Lem.) N.P.Taylor wfo--0001220110 | 289 |
| <i>Parodia lamprospina</i> F.H.Brandt wfo--0001284363 | 289 | <i>Parodia mammulosa</i> subsp. <i>brasiliensis</i> (Havlíček) Hofacker wfo--0001256037 | 290 |
| <i>Parodia langsdorfii</i> (Lehm.) D.R.Hunt wfo--0001252386 | 287 | <i>Parodia mammulosa</i> subsp. <i>erythracantha</i> (H.Schloss. & Brederoo) Hofacker wfo--0001256038 | 290 |
| <i>Parodia langsdorfii</i> subsp. <i>multiceps</i> Hofacker & K.Herm wfo--0001433462 | 288 | <i>Parodia mammulosa</i> subsp. <i>eugeniae</i> (Vliet) Hofacker wfo--0001256039 | 290 |
| <i>Parodia langsdorfii</i> subsp. <i>pulvinata</i> (Vliet) Hofacker & K.Herm wfo--0001433463 | 285 | <i>Parodia mammulosa</i> subsp. <i>submammulosa</i> (Lem.) Hofacker wfo--0001256040 | 290 |
| <i>Parodia larapuntensis</i> Diers & Jucker wfo--0001433464 | 288 | <i>Parodia matthesiana</i> Heinrich wfo--0000392756 | 292 |
| <i>Parodia laui</i> F.H.Brandt wfo--0001246822 | 286 | <i>Parodia maxima</i> F.Ritter wfo--0001264579 | 281 |
| <i>Parodia legitima</i> F.H.Brandt wfo--0000398202 | 281 | <i>Parodia mendeziana</i> F.H.Brandt wfo--0001284364 | 289 |
| <i>Parodia lembckeii</i> Weskamp wfo--0000398201 | 293 | <i>Parodia meonacantha</i> (Prestlé) Hofacker wfo--0001256041 | 282 |
| <i>Parodia leninghausii</i> (K.Schum.) F.H.Brandt wfo--0001256033 | 288 | <i>Parodia mercedesiana</i> Weskamp wfo--0000398253 | 292 |
| <i>Parodia leninghausii</i> (F.Haage) F.H.Brandt ex Eggli & Hofacker wfo--0001433465 | 288 | <i>Parodia mesembrina</i> F.H.Brandt wfo--0000398252 | 292 |
| <i>Parodia leninghausii</i> var. <i>minor</i> (F.Ritter) F.H.Brandt wfo--0000398243 | 288 | <i>Parodia mesembrina</i> var. <i>juanensis</i> Weskamp wfo--0001433477 | 293 |
| <i>Parodia liliputana</i> (Werderm.) N.P.Taylor wfo--0001283701 | 28 | <i>Parodia microsperma</i> (F.A.C.Weber) Speg. wfo--0000398251 | 279, 291 |
| <i>Parodia linkii</i> (Lehm.) R.Kiesling wfo--0001220117 | 288 | <i>Parodia microsperma</i> subsp. <i>albofusca</i> (F.H.Brandt) Brickwood wfo--0001433478 | 292 |
| <i>Parodia lohania</i> A.B.Lau & Weskamp wfo--0000392762 | 287 | <i>Parodia microsperma</i> subsp. <i>aureispina</i> (Backeb.) Brickwood wfo--0001433479 | 291 |
| <i>Parodia lychnosa</i> F.H.Brandt wfo--0001246823 | 297 | <i>Parodia microsperma</i> subsp. <i>catamarcensis</i> (Backeb.) Brickwood wfo--0001433480 | 291 |
| <i>Parodia maassii</i> (Heese) A.Berger wfo--0001256034 | 289 | <i>Parodia microsperma</i> subsp. <i>herzogii</i> (Rausch) Janeba wfo--0001433481 | 292 |
| <i>Parodia maassii</i> f. <i>castanea</i> (F.Ritter) Krainz wfo--0001434907 | 297 | <i>Parodia microsperma</i> subsp. <i>horrida</i> (F.W.Brandt) R.Kiesling & O.Ferrari wfo--0001256044 | 286 |
| <i>Parodia maassii</i> f. <i>maxima</i> (F.Ritter) Krainz wfo--0001434908 | 281 | <i>Parodia microsperma</i> subsp. <i>mesembrina</i> (F.H.Brandt) Brickwood wfo--0001433482 | 292 |
| <i>Parodia maassii</i> f. <i>prolifera</i> (F.Ritter) Krainz wfo--0001434909 | 297 | <i>Parodia microsperma</i> subsp. <i>microsperma</i> wfo--0001256042 | 291 |
| <i>Parodia maassii</i> var. <i>albescens</i> F.Ritter wfo--0001433466 | 289 | <i>Parodia microsperma</i> subsp. <i>sanguiniflora</i> (Backeb.) Brickwood wfo--0001433483 | 291 |
| <i>Parodia maassii</i> var. <i>camargensis</i> (Buining & F.Ritter) Krainz wfo--0001434910 | 297 | <i>Parodia microsperma</i> subsp. <i>spegazziniana</i> (F.H.Brandt) Brickwood wfo--0001433484 | 292 |
| <i>Parodia maassii</i> var. <i>carminatiflora</i> F.Ritter wfo--0001433467 | 289 | <i>Parodia microsperma</i> var. <i>argerichiana</i> (Weskamp) Brickwood wfo--0001433485 | 292 |
| <i>Parodia maassii</i> var. <i>intermedia</i> F.Ritter wfo--0001433468 | 289 | <i>Parodia microsperma</i> var. <i>aurantiaca</i> F.H.Brandt wfo--0001433486 | 292 |
| <i>Parodia maassii</i> var. <i>nigrispina</i> Y.Itô wfo--0001433469 | 289 | <i>Parodia microsperma</i> var. <i>belenensis</i> (Weskamp) Brickwood wfo--0001433487 | 293 |
| <i>Parodia maassii</i> var. <i>rubida</i> (F.Ritter) Krainz wfo--0001434911 | 297 | | |
| <i>Parodia maassii</i> var. <i>rubripina</i> Y.Itô wfo--0001433470 | 289 | | |
| <i>Parodia maassii</i> var. <i>shaferi</i> F.Ritter wfo--0001433471 | 289 | | |
| <i>Parodia maassii</i> var. <i>subterranea</i> (F.Ritter) Krainz wfo--0001434912 | 299 | | |
| <i>Parodia macednosa</i> F.H.Brandt wfo--0001284376 | 280 | | |
| <i>Parodia macrancistra</i> (K.Schum.) Backeb. wfo--0000392759 | 291 | | |
| <i>Parodia macrancistra</i> (K.Schum.) Weskamp wfo--0000392757 | 291 | | |

| | | | |
|--|-----|---|-----|
| <i>Parodia microsperma</i> var. <i>betaniana</i> (F.Ritter) Brickwood wfo--0001433488..... | 292 | <i>Parodia minuta</i> F.Ritter wfo--0001246824..... | 294 |
| <i>Parodia microsperma</i> var. <i>cachiana</i> (Weskamp) Brickwood wfo--0001433489..... | 287 | <i>Parodia miranda</i> F.H.Brandt wfo--0000398238..... | 299 |
| <i>Parodia microsperma</i> var. <i>cafayatensis</i> Backeb. wfo--0001433490..... | 291 | <i>Parodia mueller-melchersii</i> (Frič ex Backeb.) N.P.Taylor wfo--0001256047..... | 293 |
| <i>Parodia microsperma</i> var. <i>campestris</i> (F.H.Brandt) Brickwood wfo--0001433491..... | 292 | <i>Parodia mueller-melchersii</i> subsp. <i>gutierrezii</i> (W.R.Abraham) Hofacker wfo--0001256048..... | 294 |
| <i>Parodia microsperma</i> var. <i>cebilarensis</i> (Weskamp) Brickwood wfo--0001433492..... | 293 | <i>Parodia mueller-melchersii</i> subsp. <i>winkleri</i> (Vliet) Hofacker wfo--0001256049..... | 293 |
| <i>Parodia microsperma</i> var. <i>dichroacantha</i> (F.H.Brandt & Weskamp) Brickwood wfo--0001433493..... | 287 | <i>Parodia muhrii</i> F.H.Brandt wfo--0000392754..... | 280 |
| <i>Parodia microsperma</i> var. <i>erythrantha</i> (Speg.) Weskamp wfo--0001433494..... | 291 | <i>Parodia multicostata</i> F.Ritter & Jelin. wfo--0001246825..... | 300 |
| <i>Parodia microsperma</i> var. <i>glischrocarpa</i> (F.Ritter) Brickwood wfo--0001433495..... | 292 | <i>Parodia multicostata</i> var. <i>lau-multicostata</i> (F.H.Brandt) Weskamp wfo--0001433516..... | 300 |
| <i>Parodia microsperma</i> var. <i>guachipasana</i> (Weskamp) Brickwood wfo--0001433496..... | 293 | <i>Parodia muricata</i> (Link & Otto ex Pfeiff.) Hofacker wfo--0001256050..... | 294 |
| <i>Parodia microsperma</i> var. <i>herzogii</i> (Rausch) Brickwood wfo--0001433497..... | 292 | <i>Parodia mutabilis</i> Backeb. wfo--0000392752..... | 291 |
| <i>Parodia microsperma</i> var. <i>heteracantha</i> (F.Ritter ex Weskamp) Brickwood wfo--0001433498..... | 287 | <i>Parodia mutabilis</i> var. <i>carneospina</i> Backeb. wfo--0001433517..... | 291 |
| <i>Parodia microsperma</i> var. <i>juanensis</i> (Weskamp) Brickwood wfo--0001433499..... | 293 | <i>Parodia mutabilis</i> var. <i>elegans</i> Backeb. wfo--0001433518..... | 291 |
| <i>Parodia microsperma</i> var. <i>lembckei</i> (Weskamp) Brickwood wfo--0001433500..... | 293 | <i>Parodia mutabilis</i> var. <i>sanguiniflora</i> (Backeb.) F.H.Brandt wfo--0001433519..... | 291 |
| <i>Parodia microsperma</i> var. <i>lohaniana</i> (A.B.Lau & Weskamp) Brickwood wfo--0001433501..... | 287 | <i>Parodia nana</i> Weskamp wfo--0000398249..... | 293 |
| <i>Parodia microsperma</i> var. <i>macrancistra</i> (K.Schum.) Brickwood wfo--0001433502..... | 291 | <i>Parodia neglecta</i> F.H.Brandt wfo--0001246826..... | 289 |
| <i>Parodia microsperma</i> var. <i>malyana</i> (Rausch) Brickwood wfo--0001433503..... | 292 | <i>Parodia neglectoides</i> F.H.Brandt wfo--0001246827..... | 289 |
| <i>Parodia microsperma</i> var. <i>minuscula</i> (Rausch) Brickwood wfo--0001433504..... | 292 | <i>Parodia neoarechavaletae</i> (Havlíček) D.R.Hunt wfo--0001252390..... | 289 |
| <i>Parodia microsperma</i> var. <i>mutabilis</i> (Backeb.) Brickwood wfo--0001433505..... | 291 | <i>Parodia neobuenekeri</i> (F.Ritter) Anceschi & Magli wfo--0000746905..... | 294 |
| <i>Parodia microsperma</i> var. <i>nana</i> (Weskamp) Brickwood wfo--0001433506..... | 293 | <i>Parodia neohorstii</i> (S.Theun.) N.P.Taylor wfo--0000398247..... | 294 |
| <i>Parodia microsperma</i> var. <i>opulenta</i> F.H.Brandt wfo--0001433507..... | 292 | <i>Parodia nigresca</i> F.H.Brandt wfo--0001284387..... | 299 |
| <i>Parodia microsperma</i> var. <i>pluricentralis</i> (Backeb. ex F.H.Brandt) Brickwood wfo--0001433508..... | 287 | <i>Parodia nigrispina</i> (K.Schum.) F.H.Brandt wfo--0001256051..... | 294 |
| <i>Parodia microsperma</i> var. <i>rigidissima</i> F.H.Brandt wfo--0001433509..... | 292 | <i>Parodia nivosa</i> Backeb. wfo--0001256052..... | 294 |
| <i>Parodia microsperma</i> var. <i>riojensis</i> (F.Ritter & Weskamp) Brickwood wfo--0001433510..... | 292 | <i>Parodia nivosa</i> var. <i>faustiana</i> (Backeb.) Kälinger wfo--0001433520..... | 294 |
| <i>Parodia microsperma</i> var. <i>rubristaminea</i> (F.Ritter) Brickwood wfo--0001433511..... | 292 | <i>Parodia nivosa</i> var. <i>striatipetala</i> Y.Itô wfo--0001433521..... | 294 |
| <i>Parodia microsperma</i> var. <i>spanisa</i> (F.H.Brandt) Brickwood wfo--0001433512..... | 292 | <i>Parodia nothominuscula</i> Hofacker wfo--0000398246..... | 296 |
| <i>Parodia microsperma</i> var. <i>thionantha</i> (Speg.) Y.Itô wfo--0001433513..... | 291 | <i>Parodia nothominuscula</i> subsp. <i>gravior</i> Hofacker wfo--0001433522..... | 296 |
| <i>Parodia microsperma</i> var. <i>wagneriana</i> (Weskamp) Brickwood wfo--0001433514..... | 293 | <i>Parodia nothorauschii</i> D.R.Hunt wfo--0000398244..... | 294 |
| <i>Parodia microsperma</i> var. <i>weberiana</i> (F.H.Brandt) J.G.Lamb. wfo--0001433515..... | 292 | <i>Parodia obtusa</i> F.Ritter wfo--0001284366..... | 281 |
| <i>Parodia microthele</i> Backeb. wfo--0000398273..... | 291 | <i>Parodia obtusa</i> subsp. <i>atochana</i> F.H.Brandt wfo--0001433523..... | 289 |
| <i>Parodia miguillensis</i> Cárdenas wfo--0001288180..... | 280 | <i>Parodia obtusa</i> var. <i>atochana</i> F.H.Brandt wfo--0001433524..... | 289 |
| <i>Parodia minima</i> F.H.Brandt wfo--0001284384..... | 298 | <i>Parodia ocampo</i> Cárdenas wfo--0001245813..... | 294 |
| <i>Parodia minima</i> Rausch wfo--0001284383..... | 292 | <i>Parodia occulta</i> F.Ritter wfo--0001246828..... | 299 |
| <i>Parodia minor</i> (Backeb.) Borg wfo--0000398272..... | 119 | <i>Parodia orthacantha</i> (Link & Otto) Hofacker wfo--0000398468..... | 289 |
| <i>Parodia minuscula</i> Rausch wfo--0000398271..... | 292 | <i>Parodia otaviana</i> Cárdenas wfo--0001284367..... | 295 |
| | | <i>Parodia ottonis</i> (Lehm.) N.P.Taylor wfo--0001220115..... | 295 |
| | | <i>Parodia ottonis</i> subsp. <i>horstii</i> (F.Ritter) Hofacker wfo--0001433525..... | 295 |
| | | <i>Parodia ottonis</i> subsp. <i>ottonis</i> wfo--0001256053..... | 295 |
| | | <i>Parodia ottonis</i> var. <i>tortuosa</i> (Link & Otto) N.P.Taylor wfo--0001433526..... | 295 |
| | | <i>Parodia otuyensis</i> F.Ritter wfo--0001284392..... | 300 |
| | | <i>Parodia oxycostata</i> (Buining & Brederoo) Hofacker wfo--0001256055..... | 296 |

| | | | |
|---|-----|---|-----|
| <i>Parodia oxycostata</i> subsp. <i>gracilis</i> (F.Ritter) Hofacker wfo--0001256057 | 296 | <i>Parodia rosarioana</i> Diers, R.Hillmann & Krahn wfo--0001433535 | 300 |
| <i>Parodia oxycostata</i> subsp. <i>oxycostata</i> wfo--0001256056 | 296 | <i>Parodia rosealba</i> F.Ritter wfo--0001246835 | 297 |
| <i>Parodia pachysa</i> F.H.Brandt wfo--0001246829 | 285 | <i>Parodia rosealba</i> var. <i>australis</i> F.Ritter wfo--0001433536 | 297 |
| <i>Parodia papagayana</i> F.H.Brandt wfo--0000398469 | 292 | <i>Parodia rostrum-sperma</i> F.H.Brandt wfo--0001246836 | 297 |
| <i>Parodia paraguayensis</i> Speg. wfo--0000398465 | 295 | <i>Parodia rubellihamata</i> F.Ritter ex Backeb. wfo--0000398450 | 291 |
| <i>Parodia parvula</i> F.H.Brandt wfo--0001284351 | 285 | <i>Parodia rubellihamata</i> var. <i>aureiflora</i> Backeb. wfo--0001433537 | 291 |
| <i>Parodia paucicostata</i> (F.Ritter) F.H.Brandt ex Weskamp wfo--0000398463 | 406 | <i>Parodia rubida</i> F.Ritter wfo--0001284368 | 297 |
| <i>Parodia penicillata</i> Fechsner & Steeg wfo--0001256062 | 294 | <i>Parodia rubricentra</i> Backeb. wfo--0000398448 | 299 |
| <i>Parodia penicillata</i> var. <i>fulviceps</i> Backeb. ex Weskamp wfo--0001433527 | 294 | <i>Parodia rubriflora</i> Backeb. wfo--0000398447 | 293 |
| <i>Parodia penicillata</i> var. <i>nivosa</i> Fechsner ex Backeb. wfo--0001433528 | 294 | <i>Parodia rubristaminea</i> F.Ritter wfo--0000398446 | 292 |
| <i>Parodia permutata</i> (F.Ritter) Hofacker wfo--0001256063 | 293 | <i>Parodia rudibuenekeri</i> (W.R.Abraham) Hofacker & P.J.Braun wfo--0001256066 | 299 |
| <i>Parodia perplexa</i> F.H.Brandt wfo--0001246830 | 297 | <i>Parodia rudibuenekeri</i> subsp. <i>glomerata</i> (N.Gerloff) Hofacker wfo--0001433538 | 299 |
| <i>Parodia perplexa</i> var. <i>cupreoaura</i> F.H.Brandt wfo--0001433529 | 297 | <i>Parodia rutilans</i> (Däniker & Krainz) N.P.Taylor wfo--0001256067 | 293 |
| <i>Parodia perplexa</i> var. <i>cupreo-aura</i> F.H.Brandt wfo--0001434913 | 297 | <i>Parodia rutilans</i> subsp. <i>veeniana</i> (Vliet) Hofacker wfo--0001256070 | 293 |
| <i>Parodia pilayaensis</i> Diers & Beckert wfo--0001280123 | 297 | <i>Parodia saint-pieana</i> Backeb. wfo--0001256071 | 281 |
| <i>Parodia piltziorum</i> Weskamp wfo--0000398475 | 287 | <i>Parodia salitrensis</i> F.H.Brandt wfo--0001284388 | 299 |
| <i>Parodia pluricentralis</i> Backeb. ex F.H.Brandt wfo--0000398466 | 287 | <i>Parodia salmonea</i> F.H.Brandt wfo--0001246837 | 298 |
| <i>Parodia pluricentralis</i> var. <i>erythroflora</i> F.H.Brandt wfo--0001433530 | 287 | <i>Parodia salmonea</i> var. <i>applanata</i> (Hoffm. & Backeb.) F.H.Brandt wfo--0001433539 | 298 |
| <i>Parodia pluricentralis</i> var. <i>xanthoflora</i> F.H.Brandt wfo--0001433531 | 287 | <i>Parodia salmonea</i> var. <i>carminata</i> F.H.Brandt wfo--0001433540 | 298 |
| <i>Parodia prestoensis</i> F.H.Brandt wfo--0001246831 | 296 | <i>Parodia salmonea</i> var. <i>lau-multicostata</i> F.H.Brandt wfo--0001433541 | 300 |
| <i>Parodia procera</i> F.Ritter wfo--0001256064 | 297 | <i>Parodia sanagasta</i> var. <i>saltensis</i> F.H.Brandt wfo--0001433542 | 292 |
| <i>Parodia prolifera</i> (F.Ritter) Weskamp wfo--0000398478 | 297 | <i>Parodia sanagasta</i> var. <i>viridior</i> Backeb. wfo--0001433543 | 291 |
| <i>Parodia pseudoayopayana</i> Cárdenas wfo--0001284379 | 280 | <i>Parodia sanagasta</i> Weing. wfo--0000398445 | 291 |
| <i>Parodia pseudoprocera</i> F.H.Brandt wfo--0001284378 | 297 | <i>Parodia sanguiflora</i> Backeb. wfo--0000398444 | 291 |
| <i>Parodia pseudoprocera</i> subsp. <i>aurantiaciflora</i> F.H.Brandt wfo--0001433532 | 297 | <i>Parodia sanguiflora</i> var. <i>comata</i> F.Ritter wfo--0001433544 | 292 |
| <i>Parodia pseudoprocera</i> var. <i>aurantiaciflora</i> F.H.Brandt wfo--0001433533 | 297 | <i>Parodia schuetziana</i> Jajó wfo--0000398457 | 299 |
| <i>Parodia pseudostueneri</i> Backeb. wfo--0000398476 | 299 | <i>Parodia schumanniana</i> (Nicolai) F.H.Brandt wfo--0001220118 | 297 |
| <i>Parodia pseudosubterranea</i> F.H.Brandt wfo--0001246832 | 299 | <i>Parodia schumanniana</i> subsp. <i>claviceps</i> (F.Ritter) Hofacker & P.J.Braun wfo--0001433545 | 281 |
| <i>Parodia punae</i> Cárdenas wfo--0001284380 | 300 | <i>Parodia schumanniana</i> subsp. <i>schumanniana</i> wfo--0001256072 | 297 |
| <i>Parodia purpureoaura</i> F.Ritter wfo--0001284350 | 285 | <i>Parodia schwebsiana</i> (Werderm.) Backeb. wfo--0001245814 | 298 |
| <i>Parodia pusilla</i> F.H.Brandt wfo--0001284349 | 285 | <i>Parodia schwebsiana</i> f. <i>applanata</i> (Hoffm. & Backeb.) Krainz wfo--0001433546 | 298 |
| <i>Parodia quechua</i> F.H.Brandt wfo--0001246833 | 300 | <i>Parodia schwebsiana</i> f. <i>salmonea</i> (Backeb.) Krainz wfo--0001433547 | 298 |
| <i>Parodia rauschii</i> Backeb. ex D.R.Hunt wfo--0001252380 | 280 | <i>Parodia schwebsiana</i> var. <i>applanata</i> Hoffm. & Backeb. wfo--0001284382 | 298 |
| <i>Parodia rechensis</i> (Buining) F.H.Brandt wfo--0000398474 | 297 | <i>Parodia schwebsiana</i> var. <i>salmonea</i> Backeb. wfo--0001433548 | 298 |
| <i>Parodia rigida</i> Backeb. wfo--0000398473 | 286 | <i>Parodia schwebsiana</i> var. <i>salmonea</i> Backeb. wfo--0001433549 | 298 |
| <i>Parodia rigidispina</i> Krainz wfo--0000398471 | 291 | <i>Parodia schwebsiana</i> var. <i>schwebsiana</i> wfo--0001433550 | 298 |
| <i>Parodia riograndensis</i> F.H.Brandt wfo--0001246834 | 297 | <i>Parodia scopa</i> (Spreng.) N.P.Taylor wfo--0001256073 | 298 |
| <i>Parodia riojensis</i> F.Ritter & Weskamp wfo--0000398470 | 292 | | |
| <i>Parodia ritteri</i> Buining wfo--0001256065 | 297 | | |
| <i>Parodia ritteri</i> var. <i>cintiensis</i> (F.Ritter) Krainz wfo--0001434914 | 297 | | |
| <i>Parodia robustihamata</i> F.Ritter wfo--0001433534 | 300 | | |

| | | | |
|---|-----|--|-----|
| <i>Parodia scopa</i> subsp. <i>marchesii</i> (W.R.Abraham) Hofacker wfo--0001256079..... | 299 | <i>Parodia subterranea</i> var. <i>slabana</i> (Halda & Horáček) Romulski wfo--0001433565..... | 300 |
| <i>Parodia scopa</i> subsp. <i>neobuenerkeri</i> (F.Ritter) Hofacker & P.J.Braun wfo--0001256080..... | 294 | <i>Parodia subtilihamata</i> F.Ritter wfo--0001246839..... | 299 |
| <i>Parodia scopa</i> subsp. <i>scopa</i> wfo--0001256074..... | 298 | <i>Parodia succinea</i> (F.Ritter) N.P.Taylor wfo--0000398508..... | 298 |
| <i>Parodia scopa</i> subsp. <i>succinea</i> (F.Ritter) Hofacker & P.J.Braun wfo--0001256081..... | 298 | <i>Parodia sucrensis</i> F.H.Brandt wfo--0001246840..... | 300 |
| <i>Parodia scopoides</i> Backeb. wfo--0000398461..... | 291 | <i>Parodia superba</i> F.H.Brandt wfo--0000398507..... | 287 |
| <i>Parodia scoparia</i> F.Ritter wfo--0000398460..... | 299 | <i>Parodia suprema</i> F.Ritter wfo--0001284370..... | 289 |
| <i>Parodia sellowii</i> (Link & Otto) D.R.Hunt wfo--0001252389..... | 283 | <i>Parodia tabularis</i> (F.Cels ex Rümpler) D.R.Hunt wfo--0001252392..... | 281 |
| <i>Parodia separata</i> F.H.Brandt wfo--0001434915..... | 297 | <i>Parodia tabularis</i> subsp. <i>bommeljei</i> (Vliet) Hofacker wfo--0001256084..... | 282 |
| <i>Parodia setifera</i> Backeb. wfo--0000398616..... | 291 | <i>Parodia tafiensis</i> Backeb. wfo--0000398505..... | 291 |
| <i>Parodia setifera</i> f. <i>betaniana</i> (F.Ritter) Käsinger wfo--0001433551..... | 292 | <i>Parodia talaensis</i> F.H.Brandt wfo--0000398504..... | 292 |
| <i>Parodia setifera</i> f. <i>chlorocarpa</i> (F.Ritter) Käsinger wfo--0001433552..... | 292 | <i>Parodia tarabucina</i> Cárdenas wfo--0001288179..... | 300 |
| <i>Parodia setifera</i> var. <i>balboaensis</i> Käsinger wfo--0001433553..... | 293 | <i>Parodia taratensis</i> Cárdenas wfo--0001256085..... | 300 |
| <i>Parodia setifera</i> var. <i>cabracorralensis</i> Käsinger wfo--0001433554..... | 293 | <i>Parodia tenuicylindrica</i> (F.Ritter) D.R.Hunt wfo--0001252394..... | 300 |
| <i>Parodia setifera</i> var. <i>jujuyensis</i> Käsinger wfo--0001433555..... | 293 | <i>Parodia thieleana</i> F.H.Brandt wfo--0001246841..... | 289 |
| <i>Parodia setifera</i> var. <i>longihamata</i> Werderm. wfo--0001433556..... | 291 | <i>Parodia thionantha</i> F.H.Brandt wfo--0000398503..... | 292 |
| <i>Parodia setispina</i> F.Ritter wfo--0001284348..... | 285 | <i>Parodia tilcarensis</i> (Werderm. & Backeb.) Backeb. wfo--0001256086..... | 299 |
| <i>Parodia setosa</i> Backeb. wfo--0000398456..... | 299 | <i>Parodia tilcarensis</i> var. <i>gigantea</i> (Frič ex Krainz) Backeb. wfo--0001433566..... | 299 |
| <i>Parodia slabana</i> Halda & Horáček wfo--0001034971..... | 300 | <i>Parodia tillii</i> Weskamp wfo--0001246842..... | 286 |
| <i>Parodia sotomayorensis</i> F.Ritter wfo--0001246838..... | 296 | <i>Parodia tojoensis</i> F.H.Brandt wfo--0001246843..... | 297 |
| <i>Parodia spanisa</i> F.H.Brandt wfo--0000398455..... | 292 | <i>Parodia tolongbona</i> Weskamp wfo--0000398501..... | 287 |
| <i>Parodia Speg.</i> wfo--4000028230..... | 279 | <i>Parodia tredecimcostata</i> F.Ritter wfo--0001246844..... | 297 |
| <i>Parodia spegazziniana</i> F.H.Brandt wfo--0000398454..... | 292 | <i>Parodia tredecimcostata</i> var. <i>aurea</i> F.Ritter wfo--0001433567..... | 297 |
| <i>Parodia spegazziniana</i> var. <i>aurea</i> F.H.Brandt wfo--0001433557..... | 292 | <i>Parodia tredecimcostata</i> var. <i>minor</i> F.Ritter wfo--0001434917..... | 297 |
| <i>Parodia spegazziniana</i> var. <i>lembckeii</i> (Weskamp) Käsinger wfo--0001433558..... | 293 | <i>Parodia tuberculata</i> Cárdenas wfo--0001288161..... | 300 |
| <i>Parodia spegazziniana</i> var. <i>spanisa</i> (F.H.Brandt) Käsinger wfo--0001433559..... | 292 | <i>Parodia tuberculosicostata</i> Backeb. wfo--0000398514..... | 291 |
| <i>Parodia splendens</i> Cárdenas wfo--0001288178..... | 297 | <i>Parodia tuberculosicostata</i> var. <i>amblyana</i> F.H.Brandt wfo--0001433568..... | 292 |
| <i>Parodia stereospina</i> F.H.Brandt wfo--0000398452..... | 300 | <i>Parodia tuberculosicostata</i> var. <i>cafayatensis</i> (Backeb.) Weskamp wfo--0001433569..... | 293 |
| <i>Parodia stockingeri</i> (Prestlé) Hofacker & P.J.Braun wfo--0000398451..... | 299 | <i>Parodia tucumanensis</i> Weskamp wfo--0000398521..... | 293 |
| <i>Parodia stuemeri</i> (Werderm.) Backeb. wfo--0001256082..... | 299 | <i>Parodia tumbayana</i> Weskamp wfo--0000398520..... | 299 |
| <i>Parodia stuemeri</i> var. <i>robustior</i> Backeb. wfo--0001433560..... | 299 | <i>Parodia turbinata</i> (Arechav.) Hofacker wfo--0001256087..... | 284 |
| <i>Parodia stuemeri</i> var. <i>schuetziana</i> (Jajó) Käsinger wfo--0001433561..... | 299 | <i>Parodia turbinata</i> subsp. <i>calvescens</i> (N.Gerloff & A.D.Nilson) Hofacker wfo--0001433570..... | 280 |
| <i>Parodia stuemeri</i> var. <i>tilcarensis</i> (Werderm. & Backeb.) Borg wfo--0001434916..... | 299 | <i>Parodia tureckiana</i> R.Kiesling wfo--0001220108..... | 291 |
| <i>Parodia submammulosa</i> (Lem.) R.Kiesling wfo--0001220106..... | 290 | <i>Parodia uebelmanniana</i> F.Ritter wfo--0000398519..... | 292 |
| <i>Parodia submammulosa</i> subsp. <i>minor</i> R.Kiesling wfo--0001433562..... | 291 | <i>Parodia uhligiana</i> Backeb. wfo--0000398518..... | 294 |
| <i>Parodia submammulosa</i> subsp. <i>submammulosa</i> wfo--0001220107..... | 290 | <i>Parodia uhligiana</i> Diers & Rausch wfo--0000507747..... | 294 |
| <i>Parodia subterranea</i> F.Ritter wfo--0001256083..... | 299 | <i>Parodia variicolor</i> F.Ritter wfo--0000398517..... | 280 |
| <i>Parodia subterranea</i> var. <i>aurea</i> Slaba wfo--0001433563..... | 300 | <i>Parodia variicolor</i> var. <i>robustispina</i> F.Ritter wfo--0001433571..... | 280 |
| <i>Parodia subterranea</i> var. <i>occulta</i> (F.Ritter) Romulski wfo--0001433564..... | 299 | <i>Parodia wagneriana</i> Weskamp wfo--0000398516..... | 293 |
| | | <i>Parodia warasii</i> (F.Ritter) F.H.Brandt wfo--0001256088300..... | 292 |
| | | <i>Parodia weberiana</i> F.H.Brandt wfo--0000398615..... | 292 |
| | | <i>Parodia weberiioides</i> F.H.Brandt wfo--0000398523..... | 292 |
| | | <i>Parodia werdermanniana</i> (Herter) N.P.Taylor wfo--0001256090..... | 300 |
| | | <i>Parodia wernerii</i> Hofacker wfo--0000398241..... | 282 |
| | | <i>Parodia wernerii</i> subsp. <i>pleiocephala</i> (N.Gerloff & Königs) Hofacker wfo--0001256092..... | 282 |
| | | <i>Parodia weskampiana</i> Krasucka & Spanowski wfo--0000398240..... | 292 |

| | | | |
|---|-----|--|-----|
| <i>Parodia winbergii</i> Weskamp wfo--0001254431..... | 286 | <i>Pediocactus glaucus</i> (K.Schum.) Arp wfo--0001289939 | 337 |
| <i>Parodia yamparaezii</i> Cárdenas wfo--0001259433..... | 300 | <i>Pediocactus hermannii</i> W.T.Marshall wfo--0001289940 | |
| <i>Parodia yamparaezii</i> Cárdenas wfo--0001433572..... | 300 | ..... | 302 |
| <i>Parodia zaletaewana</i> F.H.Brandt wfo--0001246845..... | 299 | <i>Pediocactus hoferi</i> (Lüthy & A.B.Lau) Halda wfo-- | |
| <i>Parodia zecheri</i> R.Vásquez wfo--0001246846..... | 300 | 0000398481..... | 372 |
| <i>Parodia zecheri</i> subsp. <i>elachista</i> (F.H.Brandt) F.H.Brandt | | <i>Pediocactus horripilus</i> (Lem.) Halda wfo--0000398490 | 172 |
| wfo--0001433573..... | 295 | <i>Pediocactus intertextus</i> (Engelm.) Halda wfo--0001286176 | |
| <i>Parrycactus alamosanus</i> (Britton & Rose) Doweld wfo-- |  | ..... | 337 |
| 0000398513..... | 136 | <i>Pediocactus intertextus</i> var. <i>dasyacanthus</i> (Engelm.) Halda | |
| <i>Parrycactus alamosanus</i> subsp. <i>reppenhagenii</i> (G.Unger) | | wfo--0001286152..... | 337 |
| Doweld wfo--0001433574..... | 137 | <i>Pediocactus jarmilae</i> (Halda) Halda wfo--0000398500. | 360 |
| <i>Parrycactus</i> Doweld wfo--4000028256..... | 136 | <i>Pediocactus johnsonii</i> (Parry ex Engelm.) Halda wfo-- | |
| <i>Parrycactus echidne</i> (DC.) Doweld wfo--0000398512..... | 138 | 0000398498..... | 337 |
| <i>Parrycactus flavovirens</i> (Scheidw.) Doweld wfo-- | | <i>Pediocactus knowltonii</i> L.D.Benson wfo--0001288307. | 301 |
| 0000398511..... | 138 | <i>Pediocactus knuthianus</i> (Boed.) Halda wfo--0001286378 | |
| <i>Parrycactus glaucescens</i> (DC.) Doweld wfo--0000398509 |  | ..... | 372 |
| ..... | 138 | <i>Pediocactus laui</i> (Glass & R.A.Foster) Halda wfo-- | |
| <i>Parrycactus reppenhagenii</i> (G.Unger) Doweld wfo-- | | 0000398497..... | 372 |
| 0000398491..... | 137 | <i>Pediocactus lophophoroides</i> (Werderm.) Halda wfo-- | |
| <i>Parrycactus schwarzii</i> (G.E.Linds.) Doweld wfo-- | | 0000398496..... | 372 |
| 0000398480..... | 142 | <i>Pediocactus lophophoroides</i> var. <i>jauernigii</i> (G.Frank) Halda | |
| <i>Pediocactella bradyi</i> (L.D.Benson) Doweld wfo-- | | wfo--0001433577..... | 372 |
| 0001269394..... | 301 | <i>Pediocactus mandragora</i> (Frič ex A.Berger) Halda wfo-- | |
| <i>Pediocactella bradyi</i> subsp. <i>winkleri</i> (K.D.Heil) Doweld wfo-- | | 0000398495..... | 320 |
| --0001269414..... | 302 | <i>Pediocactus mariposensis</i> (Hester) Halda wfo-- | |
| <i>Pediocactella bradyi</i> var. <i>despainii</i> (S.L.Welsh & Goodrich) | | 0000398494..... | 338 |
| Doweld wfo--0001269415..... | 301 | <i>Pediocactus mesae-verdae</i> (Boissev. & C.Davidson) Arp | |
| <i>Pediocactella</i> Doweld wfo--4000028426..... | 423 | wfo--0001289941..... | 338 |
| <i>Pediocactus alonsoi</i> (Glass & S.Arias) Halda wfo-- | | <i>Pediocactus nigrispinus</i> (Hochstätter) Hochstätter wfo-- | |
| 0000398487..... | 370 | 0001255994..... | 301 |
| <i>Pediocactus bonatzii</i> (Gerhart Frank) Halda wfo-- | | <i>Pediocactus nigrispinus</i> subsp. <i>beastonii</i> (Hochstätter) | |
| 0001286394..... | 371 | Hochstätter wfo--0001266516..... | 301 |
| <i>Pediocactus bradyi</i> L.D.Benson wfo--0001288308..... | 301 | <i>Pediocactus nigrispinus</i> subsp. <i>indranus</i> (Hochstätter) | |
| <i>Pediocactus bradyi</i> subsp. <i>despainii</i> (S.L.Welsh & Goodrich) | | Hochstätter wfo--0001433578..... | 302 |
| Hochstätter wfo--0001266524..... | 301 | <i>Pediocactus nigrispinus</i> subsp. <i>puebloensis</i> Hochstätter | |
| <i>Pediocactus bradyi</i> subsp. <i>winkleri</i> (K.D.Heil) Hochstätter | | wfo--0001266517..... | 301 |
| wfo--0001266522..... | 302 | <i>Pediocactus nigrispinus</i> var. <i>beastonii</i> Hochstätter wfo-- | |
| <i>Pediocactus bradyi</i> var. <i>despainii</i> (S.L.Welsh & Goodrich) | | 0001266515..... | 301 |
| Hochstätter wfo--0001266523..... | 301 | <i>Pediocactus nyensis</i> (Hochstätter) Halda wfo-- | |
| <i>Pediocactus bradyi</i> var. <i>knowltonii</i> (L.D.Benson) Backeb. | | 0001266510..... | 338 |
| wfo--0001288309..... | 301 | <i>Pediocactus papyracanthus</i> (Engelm.) L.D.Benson wfo-- | |
| <i>Pediocactus bradyi</i> var. <i>winkleri</i> (K.D.Heil) Hochstätter wfo-- | | 0001289553..... | 338 |
| --0001266521..... | 302 | <i>Pediocactus paradinei</i> B.W.Benson wfo--0001287012. | 301 |
| <i>Pediocactus brevihamatus</i> (Engelm.) Halda wfo-- | | <i>Pediocactus parviflorus</i> (Clover & Jotter) Halda wfo-- | |
| 0000398485..... | 336 | 0001266505..... | 338 |
| <i>Pediocactus brevihamatus</i> subsp. <i>tobuschii</i> (W.T.Marshall) | | <i>Pediocactus parviflorus</i> subsp. <i>havasupaiensis</i> (Clover) | |
| Halda wfo--0001433575..... | 336 | Halda wfo--0001433579..... | 338 |
| <i>Pediocactus</i> Britton & Rose wfo--4000028427..... | 300 | <i>Pediocactus parviflorus</i> subsp. <i>intermedius</i> (Peebles) Halda | |
| <i>Pediocactus cloverae</i> (K.D.Heil & J.M.Porter) Halda wfo-- | | wfo--0001433580..... | 338 |
| 0001266506..... | 336 | <i>Pediocactus parviflorus</i> subsp. <i>terrae-canyonae</i> (K.D.Heil) | |
| <i>Pediocactus cloverae</i> subsp. <i>brackii</i> (K.D.Heil & J.M.Porter) | | Halda wfo--0001433581..... | 338 |
| Halda wfo--0001433576..... | 336 | <i>Pediocactus peeblesianus</i> (Croizat) L.D.Benson wfo-- | |
| <i>Pediocactus conoideus</i> (DC.) Halda wfo--0000398488..... | 50 | 0001288304..... | 301 |
| <i>Pediocactus despainii</i> S.L.Welsh & Goodrich wfo-- | | <i>Pediocactus peeblesianus</i> f. <i>maius</i> (Hochstätter) Hájek | |
| 0001288311..... | 301 | wfo--0001433582..... | 301 |
| <i>Pediocactus disciformis</i> (DC.) Halda wfo--0000398483. | 360 | <i>Pediocactus peeblesianus</i> f. <i>menzelii</i> (Hochstätter) Hájek | |
| <i>Pediocactus erectocentrus</i> (J.M.Coult.) Halda wfo-- | | wfo--0001433583..... | 301 |
| 0001286173..... | 337 | <i>Pediocactus peeblesianus</i> subsp. <i>fickeiseniae</i> (Hochstätter) | |
| <i>Pediocactus gautii</i> (L.D.Benson) Halda wfo--0001286174 | | Lüthy wfo--0001266566..... | 301 |
| ..... | 339 | <i>Pediocactus peeblesianus</i> subsp. <i>fickeisenii</i> (Backeb. ex | |
| <i>Pediocactus gielsdorfianus</i> (Werderm.) Halda wfo-- | | Hochstätter) Lüthy wfo--0001433584..... | 301 |
| 0000398482..... | 372 | | |

| | | | |
|---|----------|---|-----|
| <i>Pediocactus peeblesianus</i> subsp. <i>peeblesianus</i> wfo-- 0001266565..... | 301 | <i>Pediocactus simpsonii</i> f. <i>flinspachii</i> Hochstätter wfo-- 0001433600..... | 302 |
| <i>Pediocactus peeblesianus</i> var. <i>fickeisenii</i> (Backeb. ex Hochstätter) L.D.Benson wfo--0001433585..... | 301 | <i>Pediocactus simpsonii</i> f. <i>kuenzleri</i> Hochstätter wfo-- 0001433601..... | 302 |
| <i>Pediocactus peeblesianus</i> var. <i>maianus</i> L.D.Benson wfo-- 0001433586..... | 301 | <i>Pediocactus simpsonii</i> f. <i>montanensis</i> Hochstätter wfo-- 0001433602..... | 302 |
| <i>Pediocactus polyancistrus</i> (Engelm. & J.M.Bigelow) Arp wfo--0001289942..... | 338 | <i>Pediocactus simpsonii</i> f. <i>muehlhii</i> Hochstätter wfo-- 0001433603..... | 302 |
| <i>Pediocactus pseudomacrolele</i> (Backeb.) Halda wfo-- 0001286461..... | 172 | <i>Pediocactus simpsonii</i> f. <i>prairie</i> Hochstätter wfo-- 0001433604..... | 302 |
| <i>Pediocactus pseudomacrolele</i> var. <i>krainzianus</i> (Gerhart Frank) Halda wfo--0001286362..... | 172 | <i>Pediocactus simpsonii</i> f. <i>sandiamontanus</i> Hochstätter wfo-- --0001433605..... | 302 |
| <i>Pediocactus pseudomacrolele</i> var. <i>lausseri</i> (Diers & Gerhart Frank) Halda wfo--0001433587..... | 173 | <i>Pediocactus simpsonii</i> subsp. <i>bensoii</i> Hochstätter wfo-- 0001433606..... | 302 |
| <i>Pediocactus pseudomacrolele</i> var. <i>sphacelatus</i> (Diers & Gerhart Frank) Halda wfo--0001286363..... | 173 | <i>Pediocactus simpsonii</i> subsp. <i>bradyi</i> (L.D.Benson) Halda wfo--0001266512..... | 301 |
| <i>Pediocactus pseudomacrolele</i> var. <i>sphacellatus</i> (Diers & Gerhart Frank) Halda wfo--0001433588..... | 173 | <i>Pediocactus simpsonii</i> subsp. <i>idahoensis</i> Hochstätter wfo-- 0001266518..... | 302 |
| <i>Pediocactus pseudopectinatus</i> (Backeb.) Halda wfo-- 0000398389..... | 372 | <i>Pediocactus simpsonii</i> subsp. <i>indranus</i> (Hochstätter) Hochstätter wfo--0001433607..... | 302 |
| <i>Pediocactus pubispinus</i> (Engelm.) Halda wfo--0001433589 | 339 | <i>Pediocactus simpsonii</i> subsp. <i>robustior</i> (J.M.Coult.) Hochstätter wfo--0001266519..... | 302 |
| <i>Pediocactus pubispinus</i> subsp. <i>sileri</i> (L.D.Benson) Halda wfo--0001433590..... | 339 | <i>Pediocactus simpsonii</i> var. <i>caespiticus</i> Backeb. wfo-- 0001433608..... | 302 |
| <i>Pediocactus pulcherrimus</i> (Halda) Halda wfo--0000398388 | 360 | <i>Pediocactus simpsonii</i> var. <i>despainii</i> (S.L.Welsh & Goodrich) Halda wfo--0001433609..... | 301 |
| <i>Pediocactus rioverdensis</i> (Gerhart Frank) Halda wfo-- 0001286396..... | 373 | <i>Pediocactus simpsonii</i> var. <i>hermannii</i> (W.T.Marshall) W.T.Marshall wfo--0001433610..... | 302 |
| <i>Pediocactus robustior</i> (J.M.Coult.) Arp wfo--0001289943 | 302 | <i>Pediocactus simpsonii</i> var. <i>indraianus</i> Hochstätter wfo-- 0001289944..... | 302 |
| <i>Pediocactus saueri</i> (Boed.) Halda wfo--0001286382..... | 373 | <i>Pediocactus simpsonii</i> var. <i>indranus</i> Hochstätter wfo-- 0001433611..... | 302 |
| <i>Pediocactus scheeri</i> (Salm-Dyck) Halda wfo--0000398384 | 339 | <i>Pediocactus simpsonii</i> var. <i>knowltonii</i> (L.D.Benson) Halda wfo--0001266520..... | 301 |
| <i>Pediocactus schmiedickeanus</i> (Boed.) Halda wfo-- 0001286465..... | 373 | <i>Pediocactus simpsonii</i> var. <i>minor</i> (Engelm.) Cockerell wfo-- -0001257443..... | 302 |
| <i>Pediocactus schmiedickeanus</i> var. <i>dickisoniae</i> (Glass & R.A.Foster) Halda wfo--0001286357..... | 371 | <i>Pediocactus simpsonii</i> var. <i>nigrispinus</i> Hochstätter wfo-- 0001289945..... | 301 |
| <i>Pediocactus schmiedickeanus</i> var. <i>flaviflorus</i> (Gerhart Frank & A.B.Lau) Halda wfo--0001433591..... | 371 | <i>Pediocactus simpsonii</i> var. <i>paradinei</i> (B.W.Benson) Halda wfo--0001266513..... | 301 |
| <i>Pediocactus schmiedickeanus</i> var. <i>gracilis</i> (Glass & R.A.Foster) Halda wfo--0001433592..... | 374 | <i>Pediocactus simpsonii</i> var. <i>robustior</i> (J.M.Coult.) L.D.Benson wfo--0001257444..... | 302 |
| <i>Pediocactus schmiedickeanus</i> var. <i>klinkerianus</i> (Backeb. & H.Jacobsen) Halda wfo--0001433593..... | 374 | <i>Pediocactus simpsonii</i> var. <i>simpsonii</i> wfo--0001287321 | 301 |
| <i>Pediocactus schmiedickeanus</i> var. <i>macrochele</i> (Werderm.) Halda wfo--0001433594..... | 374 | <i>Pediocactus simpsonii</i> var. <i>winkleri</i> (K.D.Heil) Halda wfo-- 0001433612..... | 302 |
| <i>Pediocactus schmiedickeanus</i> var. <i>rubriflorus</i> (Gerhart Frank) Halda wfo--0001434681..... | 374 | <i>Pediocactus smithii</i> (Muehlenpf.) Halda wfo--0000398391 | 365 |
| <i>Pediocactus schmiedickeanus</i> var. <i>schwarzii</i> (Shurly) Halda wfo--0001433595..... | 375 | <i>Pediocactus spinosior</i> (Engelm.) Halda wfo--0001266502 | 339 |
| <i>Pediocactus sileri</i> (Engelm. ex J.M.Coult.) L.D.Benson wfo-- -0001288303..... | 301 | <i>Pediocactus spinosior</i> subsp. <i>blainei</i> (S.L.Welsh & K.H.Thorne) Halda wfo--0001433613..... | 336 |
| <i>Pediocactus simpsonii</i> (Engelm.) Britton & Rose wfo-- 0001287041..... | 300, 301 | <i>Pediocactus spinosior</i> var. <i>schlesseri</i> (K.D.Heil & S.L.Welsh) Halda wfo--0001266507..... | 336 |
| <i>Pediocactus simpsonii</i> f. <i>acklinii</i> Hochstätter wfo-- 0001433596..... | 302 | <i>Pediocactus subterraneus</i> (Backeb.) Halda wfo-- 0000398385..... | 320 |
| <i>Pediocactus simpsonii</i> f. <i>campestris</i> Hochstätter wfo-- 0001433597..... | 302 | <i>Pediocactus subterraneus</i> var. <i>zaragosae</i> (Glass & R.A.Foster) Halda wfo--0001433614..... | 320 |
| <i>Pediocactus simpsonii</i> f. <i>dinosauriensis</i> Hochstätter wfo-- 0001433598..... | 302 | <i>Pediocactus swobodae</i> (Diers) Halda wfo--0000398369375 <i>Pediocactus uncinatus</i> (Galeotti ex Pfeiff.) Halda wfo-- 0001286195..... | 143 |

| | | | |
|--|-----|---|----------|
| <i>Pediocactus uncinatus</i> var. <i>crassihamatus</i> (F.A.C.Weber) Halda wfo--0001286190..... | 141 | <i>Peniocereus fosterianus</i> Cutak wfo--0001288498 | 5 |
| <i>Pediocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) Halda wfo-- 0001286200..... | 143 | <i>Peniocereus fosterianus</i> var. <i>multitepalum</i> Sánchez-Mej. wfo--0001433620 | 5 |
| <i>Pediocactus unguispinus</i> (Engelm.) Halda wfo-- 0001286183..... | 339 | <i>Peniocereus fosterianus</i> var. <i>nizandensis</i> Sánchez-Mej. wfo--0001289926 | 5 |
| <i>Pediocactus unguispinus</i> var. <i>durangensis</i> (Runge) Halda wfo--0001286178..... | 339 | <i>Peniocereus greggii</i> (Engelm.) Britton & Rose wfo-- 0001289270 | 302, 303 |
| <i>Pediocactus valdezianus</i> (H.Moeller) Halda wfo-- 0000398368..... | 375 | <i>Peniocereus greggii</i> subsp. <i>greggii</i> wfo--0001281957 .. | 303 |
| <i>Pediocactus viereckii</i> (Werderm.) Halda wfo--0000398367 | 375 | <i>Peniocereus greggii</i> subsp. <i>transmontanus</i> (Engelm.) U.Guzmán wfo--0001286414 | 303 |
| <i>Pediocactus viereckii</i> var. <i>major</i> (Glass & R.A.Foster) Halda wfo--0001433615..... | 376 | <i>Peniocereus greggii</i> var. <i>greggii</i> wfo--0001289271 | 303 |
| <i>Pediocactus warnockii</i> (L.D.Benson) Halda wfo-- 0000398364..... | 339 | <i>Peniocereus greggii</i> var. <i>transmontanus</i> (Engelm.) Backeb. wfo--0001289272 | 303 |
| <i>Pediocactus wetlandicus</i> (Hochstätter) Halda wfo-- 0001266501..... | 339 | <i>Peniocereus guatemalensis</i> (Britton & Rose) D.R.Hunt wfo-- --0000507753..... | 5 |
| <i>Pediocactus wetlandicus</i> f. <i>ilseae</i> (Hochstätter) Halda wfo-- -0001433616 | 336 | <i>Peniocereus haackeanus</i> Backeb. wfo--0000398427 | 5 |
| <i>Pediocactus whipplei</i> (Engelm. & J.M.Bigelow) Arp wfo-- 0001289946..... | 340 | <i>Peniocereus hirschtianus</i> (K.Schum.) D.R.Hunt wfo-- 0000398426 | 5 |
| <i>Pediocactus whipplei</i> subsp. <i>busekii</i> (Hochstätter) Halda wfo--0001433617 | 340 | <i>Peniocereus johnstonii</i> Britton & Rose wfo--0001288373 | 303 |
| <i>Pediocactus winkleri</i> K.D.Heil wfo--0001288310..... | 302 | <i>Peniocereus lazaro-cardenasii</i> (J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo) D.R.Hunt wfo--0001289776 | 303 |
| <i>Pediocactus wrightiae</i> (L.D.Benson) Arp wfo--0001289947 | 340 | <i>Peniocereus macdougallii</i> Cutak wfo--0001288350..... | 5 |
| <i>Pediocactus ysabelae</i> (Schlange) Halda wfo--0001286386 | 376 | <i>Peniocereus macdougallii</i> var. <i>centrispinus</i> Backeb. wfo-- 0001433621 | 5 |
| <i>Peirescia</i> Zucc. wfo--4000042706..... | 303 | <i>Peniocereus maculatus</i> (Weing.) Cutak wfo--0001289923 | 4, 5 |
| <i>Peireskia calandrinifolia</i> K.Schum. wfo--0000398365 .. | 181 | <i>Peniocereus marianus</i> (Gentry) Sánchez-Mej. wfo-- 0001288590 | 303 |
| <i>Peireskia cruenta</i> K.Schum. wfo--0000398378..... | 180 | <i>Peniocereus marnierianus</i> Backeb. wfo--0000398429 .. | 406 |
| <i>Peireskia</i> K.Schum. wfo--4000028445 | 303 | <i>Peniocereus oaxacensis</i> (Britton & Rose) D.R.Hunt wfo-- 0001289777 | 5 |
| <i>Peireskia lanceolata</i> K.Schum. wfo--0000398379 | 421 | <i>Peniocereus occidentalis</i> Bravo ex S.Arias, U.Guzmán & Gama wfo--0000398424 | 5 |
| <i>Peireskia spathulata</i> K.Schum. wfo--0000398366 | 305 | <i>Peniocereus occidentalis</i> Bravo wfo--0000398423 | 5 |
| <i>Pelecyphora aselliformis</i> C.Ehrenb. wfo--0001287042 .. | 302 | <i>Peniocereus papillosus</i> (Britton & Rose) U.Guzmán wfo-- 0001281958 | 303 |
| <i>Pelecyphora aselliformis</i> var. <i>concolor</i> Hook.f. wfo-- 0001433618..... | 302 | <i>Peniocereus rosei</i> J.G.Ortega wfo--0001289927 | 5 |
| <i>Pelecyphora</i> C.Ehrenb. wfo--4000028461 | 302 | <i>Peniocereus serpentinus</i> (Lag. & Rodr.) N.P.Taylor wfo-- 0001289948 | 256 |
| <i>Pelecyphora pectinata</i> Stein wfo--0001257697 | 224 | <i>Peniocereus serpentinus</i> subsp. <i>pietatis</i> (Bravo) Scheinvar wfo--0001433622 | 256 |
| <i>Pelecyphora plumosa</i> Boed. & Ritter wfo--0000398383375 | 372 | <i>Peniocereus striatus</i> (K.Brandege) Buxb. wfo-- 0001245560 | 303 |
| <i>Pelecyphora pseudopectinata</i> Backeb. wfo--0001256588 | 372 | <i>Peniocereus subg. Pseudoacanthocereus</i> Sánchez-Mej. wfo--3500004022 | 4 |
| <i>Pelecyphora pulcherrima</i> Sabatini wfo--0000398380 ... | 372 | <i>Peniocereus tepalcatepecanus</i> Sánchez-Mej. wfo-- 0001289928 | 5 |
| <i>Pelecyphora strobiliformis</i> (Werderm.) Frič & Schelle ex Kreuz. wfo--0001287043 | 302 | <i>Peniocereus tomentosus</i> (Bravo) Buxb. wfo--0001281959 | 303 |
| <i>Pelecyphora valdeziana</i> H.Moeller wfo--0001256604 .. | 375 | <i>Peniocereus viperinus</i> (F.A.C.Weber) Buxb. wfo-- 0001289931 | 303 |
| <i>Pelecyphora valdeziana</i> var. <i>albiflora</i> Pazout wfo-- 0000398573..... | 375 | <i>Peniocereus viperinus</i> (F.A.C.Weber) Kreuz. wfo-- 0001433623 | 303 |
| <i>Peniocereus</i> (A.Berger) Britton & Rose wfo--4000028539 | 302 | <i>Peniocereus zopilotensis</i> (J.Meyrán) Buxb. wfo-- 0001289949 | 303 |
| <i>Peniocereus canoensis</i> P.R.House, Gómez-Hin. & H.M.Hern. wfo--0001433619 | 5 | <i>Pereskia acardia</i> J.Parm. ex Pfeiff. wfo--0000398442... 304 | |
| <i>Peniocereus castellae</i> Sánchez-Mej. wfo--0001288349 | 5 | <i>Pereskia aculeata</i> f. <i>rubescens</i> (Pfeiff.) Krainz wfo-- 0001289802 | 304 |
| <i>Peniocereus castellanosii</i> (Scheinvar) Scheinvar wfo-- 0001281956..... | 256 | <i>Pereskia aculeata</i> Mill. wfo--0000398441 | 303, 304 |
| <i>Peniocereus chiapensis</i> (Bravo) Gómez-Hin. & H.M.Hern. wfo--0000398524 | 5 | | |
| <i>Peniocereus cuixmalensis</i> Sánchez-Mej. wfo--0001289114 | 5 | | |
| <i>Peniocereus diguetii</i> (F.A.C.Weber) Backeb. wfo-- 0001289583..... | 303 | | |

| | | | |
|---|-----|---|-----|
| <i>Pereskia aculeata</i> var. <i>brasiliensis</i> (Pfeiff.) Borg wfo--- 0001433624..... | 304 | <i>Pereskia horrida</i> subsp. <i>rauhii</i> (Backeb.) Ostolaza wfo--- 0001433632..... | 305 |
| <i>Pereskia aculeata</i> var. <i>godseffiana</i> (Anon.) Backeb. & F.M.Knuth ex Krainz wfo---0001289496..... | 304 | <i>Pereskia hortensis</i> Voss wfo---0000398404..... | 421 |
| <i>Pereskia aculeata</i> var. <i>lanceolata</i> Pfeiff. wfo---0001289491 | 304 | <i>Pereskia humboldtii</i> Britton & Rose wfo---0001287446 | 305 |
| <i>Pereskia aculeata</i> var. <i>latifolia</i> Salm-Dyck wfo--- 0001433625..... | 304 | <i>Pereskia humboldtii</i> var. <i>rauhii</i> (Backeb.) Leuenb. wfo--- 0001287467..... | 305 |
| <i>Pereskia aculeata</i> var. <i>longispina</i> (Haw.) DC. wfo--- 0001287182..... | 304 | <i>Pereskia kellermanii</i> Rose wfo---0001040131..... | 421 |
| <i>Pereskia aculeata</i> var. <i>rotunda</i> Monach. wfo---0001433626 | 304 | <i>Pereskia lanceolata</i> C.F.Först. wfo---0000398403..... | 421 |
| <i>Pereskia aculeata</i> var. <i>rotundifolia</i> Hort.Dyck. ex Pfeiff. wfo---0001289492..... | 304 | <i>Pereskia lanceolata</i> Salm-Dyck wfo---0000398402..... | 421 |
| <i>Pereskia aculeata</i> var. <i>rubescens</i> Pfeiff. wfo---0001289493 | 304 | <i>Pereskia longispina</i> Haw. wfo---0001287185..... | 304 |
| <i>Pereskia affinis</i> Meinsh. wfo---0000398440..... | 19 | <i>Pereskia longissima</i> Voss wfo---0000398401..... | 421 |
| <i>Pereskia amapola</i> F.A.C.Weber wfo---0001287077..... | 305 | <i>Pereskia lychnidiflora</i> DC. wfo---0000398409..... | 180 |
| <i>Pereskia amapola</i> var. <i>argentina</i> F.A.C.Weber ex Weing. wfo---0001243655..... | 305 | <i>Pereskia marcanoii</i> Areces wfo---0000398399..... | 181 |
| <i>Pereskia antoniana</i> (Backeb.) Rauh wfo---0001433627..... | 305 | <i>Pereskia</i> Mill. wfo---4000028718..... | 303 |
| <i>Pereskia arcadia</i> J.Parm. ex Pfeiff. wfo---0001289489..... | 304 | <i>Pereskia moorei</i> Britton & Rose wfo---0001289506..... | 305 |
| <i>Pereskia argentina</i> F.A.C.Weber wfo---0001289502..... | 305 | <i>Pereskia nemorosa</i> Rojas Acosta wfo---0001287949..... | 305 |
| <i>Pereskia aureiflora</i> F.Ritter wfo---0001289499..... | 180 | <i>Pereskia nicoyana</i> F.A.C.Weber wfo---0000398398..... | 181 |
| <i>Pereskia autumnalis</i> (Eichlam) Rose wfo---0000398439..... | 181 | <i>Pereskia ochncarpa</i> Miq. wfo---0001433633..... | 304 |
| <i>Pereskia bahiensis</i> Gürke wfo---0001289082..... | 304 | <i>Pereskia ochncarpa</i> Miq. wfo---0001289507..... | 304 |
| <i>Pereskia bahiensis</i> subsp. <i>bahiensis</i> wfo---0001434695..... | 304 | <i>Pereskia opuntiaeflora</i> DC. wfo---0000398397..... | 180 |
| <i>Pereskia bahiensis</i> subsp. <i>minensis</i> N.P.Taylor & Albuq.- Lima wfo---0001434696..... | 304 | <i>Pereskia panamensis</i> F.A.C.Weber wfo---0000398396..... | 180 |
| <i>Pereskia bleo</i> (Kunth) DC. wfo---0000398438..... | 180 | <i>Pereskia peireskia</i> H.Karst. wfo---0001433634..... | 304 |
| <i>Pereskia brasiliensis</i> Pfeiff. wfo---0001433628..... | 304 | <i>Pereskia pereskia</i> (L.) H.Karst. wfo---0000398395..... | 304 |
| <i>Pereskia braziliensis</i> Pfeiff. wfo---0001289490..... | 304 | <i>Pereskia pflanzii</i> Vaupel wfo---0001289531..... | 319 |
| <i>Pereskia calandriniaefolia</i> Hort. ex C.F.Först. wfo--- 0001262844..... | 181 | <i>Pereskia philippii</i> F.A.C.Weber wfo---0001233697..... | 194 |
| <i>Pereskia calandriniaefolia</i> Hort.Berol. ex Salm-Dyck wfo--- 0000398436..... | 181 | <i>Pereskia pititache</i> Karw. ex Pfeiff. wfo---0001289508..... | 181 |
| <i>Pereskia colombiana</i> Britton & Rose wfo---0000398443..... | 180 | <i>Pereskia plantaginea</i> Pfeiff. wfo---0000398419..... | 421 |
| <i>Pereskia conzattii</i> Britton & Rose wfo---0000398435..... | 181 | <i>Pereskia poeppigii</i> (Otto ex Pfeiff.) Salm-Dyck wfo--- 0001288222..... | 194 |
| <i>Pereskia corrugata</i> Cutak wfo---0001287044..... | 180 | <i>Pereskia portulacifolia</i> (L.) DC. wfo---0001289500..... | 181 |
| <i>Pereskia crassicaulis</i> Zucc. ex Pfeiff. wfo---0000398434..... | 305 | <i>Pereskia quisqueyana</i> Alain wfo---0001289501..... | 181 |
| <i>Pereskia cruenta</i> Pfeiff. wfo---0000398433..... | 180 | <i>Pereskia rosea</i> Hort. ex A.Dietr. wfo---0001289509..... | 304 |
| <i>Pereskia cubensis</i> Britton & Rose wfo---0001289503..... | 181 | <i>Pereskia rotundifolia</i> DC. wfo---0000398418..... | 306 |
| <i>Pereskia diazromeroana</i> Cárdenas wfo---0001287045..... | 304 | <i>Pereskia rubescens</i> (Pfeiff.) Houghton wfo---0001289494 | 304 |
| <i>Pereskia diaz-romeroana</i> Cárdenas wfo---0001433629..... | 304 | <i>Pereskia rufida</i> Hort. wfo---0001289495..... | 421 |
| <i>Pereskia foetens</i> Speg. wfo---0001287181..... | 304 | <i>Pereskia sacharosa</i> Griseb. wfo---0001288611..... | 305 |
| <i>Pereskia fragrans</i> Lem. wfo---0001287183..... | 304 | <i>Pereskia saipinensis</i> Cárdenas wfo---0001289510..... | 305 |
| <i>Pereskia glomerata</i> Pfeiff. wfo---0000398432..... | 70 | <i>Pereskia scandens</i> (Britton & Rose) Standl. wfo--- 0001289511..... | 305 |
| <i>Pereskia godseffiana</i> Anon. wfo---0001287184..... | 304 | <i>Pereskia</i> sect. <i>Rhodocactus</i> A.Berger wfo---3400012103304 | |
| <i>Pereskia grandiflora</i> Pfeiff. wfo---0001289504..... | 304 | <i>Pereskia sparsiflora</i> F.Ritter wfo---0001289512..... | 305 |
| <i>Pereskia grandifolia</i> Haw. wfo---0000398430..... | 304 | <i>Pereskia spathulata</i> Otto ex Pfeiff. wfo---0000398410..... | 305 |
| <i>Pereskia grandifolia</i> subsp. <i>grandifolia</i> wfo---0001254671 | 304 | <i>Pereskia stenantha</i> F.Ritter wfo---0001289083..... | 305 |
| <i>Pereskia grandifolia</i> subsp. <i>violacea</i> (Leuenb.) N.P.Taylor & Zappi wfo---0001433630..... | 305 | <i>Pereskia</i> subg. <i>Leuenergera</i> G.D.Rowley wfo--- 3500004039..... | 180 |
| <i>Pereskia grandifolia</i> var. <i>grandifolia</i> wfo---0001287468304 | | <i>Pereskia</i> subg. <i>Maihuenia</i> Phil. ex F.A.C.Weber wfo--- 3500004011..... | 194 |
| <i>Pereskia grandifolia</i> var. <i>violacea</i> Leuenb. wfo--- 0001433631..... | 305 | <i>Pereskia subulata</i> Muehlenpf. wfo---0000398420..... | 19 |
| <i>Pereskia grandispina</i> J.Forbes wfo---0000398422..... | 421 | <i>Pereskia tampicana</i> F.A.C.Weber wfo---0001257574..... | 304 |
| <i>Pereskia guamacho</i> F.A.C.Weber wfo---0000398407..... | 180 | <i>Pereskia undulata</i> Lem. wfo---0001287186..... | 304 |
| <i>Pereskia haageana</i> Meinsh. wfo---0000398406..... | 421 | <i>Pereskia Vargasii</i> H.Johnson wfo---0001287464..... | 305 |
| <i>Pereskia higuerana</i> Cárdenas wfo---0001289505..... | 305 | <i>Pereskia Vargasii</i> var. <i>longispina</i> Rauh & Backeb. wfo--- 0001287466..... | 305 |
| <i>Pereskia horrida</i> (Kunth) DC. wfo---0001287452..... | 305 | <i>Pereskia Vargasii</i> var. <i>rauhii</i> Backeb. wfo---0001287465..... | 305 |
| | | <i>Pereskia verticillata</i> Vaupel wfo---0000398415..... | 319 |
| | | <i>Pereskia violacea</i> (Leuenb.) N.P.Taylor wfo---0001433635 | 305 |
| | | <i>Pereskia weberiana</i> K.Schum. wfo---0001289001..... | 305 |
| | | <i>Pereskia zehmneri</i> Britton & Rose wfo---0000398413..... | 319 |
| | | <i>Pereskia zehntneri</i> Britton & Rose wfo---0000398527..... | 319 |
| | | <i>Pereskia zinniflora</i> DC. wfo---0001288301..... | 181 |

| | | | |
|---|----------|--|-------------|
| <i>Pereskiaopsis aquosa</i> (F.A.C.Weber) Britton & Rose wfo-- 0000398412..... | 305 | <i>Peronocactus scopia</i> (Spreng.) Doweld wfo--0000397858 | 298 |
| <i>Pereskiaopsis autumnalis</i> Eichlam wfo--0000398157 | 181 | <i>Peronocactus scopia</i> subsp. <i>marchesii</i> (W.R.Abraham) Doweld wfo--0001433641 | 299 |
| <i>Pereskiaopsis blakeana</i> J.G.Ortega wfo--0000398221 | 305 | <i>Peronocactus scopia</i> subsp. <i>neobuenekeri</i> (F.Ritter) Doweld wfo--0001433642 | 294 |
| <i>Pereskiaopsis brandegeei</i> (K.Schum.) Britton & Rose wfo-- 0001288063..... | 305, 306 | <i>Peronocactus scopia</i> subsp. <i>succineus</i> (F.Ritter) Doweld wfo--0001433643 | 298 |
| <i>Pereskiaopsis</i> Britton & Rose wfo--4000028720 | 305 | <i>Peronocactus stockingeri</i> (Prestlé) Doweld wfo-- 0000397857 | 299 |
| <i>Pereskiaopsis chapistla</i> (F.A.C.Weber) Britton & Rose wfo-- 0001288062..... | 306 | <i>Peronocactus tabularis</i> (F.Cels ex Rümpler) Doweld wfo-- 0000397856 | 281 |
| <i>Pereskiaopsis diguetii</i> (F.A.C.Weber) Britton & Rose wfo-- 0000397851..... | 305 | <i>Peronocactus tabularis</i> subsp. <i>muricatus</i> Doweld wfo-- 0001433644 | 282 |
| <i>Pereskiaopsis gatesii</i> Baxter wfo--0001288064..... | 306 | <i>Peronocactus werdermannianus</i> (Herter) Doweld wfo-- 0000397855 | 300 |
| <i>Pereskiaopsis kellermanii</i> Rose wfo--0000397850 | 305 | <i>Peruviopuntia</i> Guiggi wfo--4000028861 | 17 |
| <i>Pereskiaopsis opuntiaiflora</i> (DC.) Britton & Rose wfo-- 0000397849..... | 180 | <i>Peruviopuntia pachypus</i> (K.Schum.) Guiggi wfo-- 0000750022 | 18 |
| <i>Pereskiaopsis pititache</i> (Pfeiff.) Britton & Rose wfo-- 0001289513..... | 181 | <i>Peruvocereus</i> Akers wfo--4000028862 | 162 |
| <i>Pereskiaopsis porteri</i> (K.Brandege ex F.A.C.Weber) Britton & Rose wfo--0000397848..... | 305 | <i>Peruvocereus albicephalus</i> Akers wfo--0001289155 | 393 |
| <i>Pereskiaopsis rotundifolia</i> (DC.) Britton & Rose wfo-- 0000397847..... | 306 | <i>Peruvocereus albicephalus</i> var. <i>armatus</i> Akers wfo-- 0001289233 | 393 |
| <i>Pereskiaopsis scandens</i> Britton & Rose wfo--0001288065 | 305 | <i>Peruvocereus albisetatus</i> Akers wfo--0001287660..... | 393 |
| <i>Pereskiaopsis spathulata</i> (Otto ex Pfeiff.) Britton & Rose wfo--0000397845..... | 305 | <i>Peruvocereus albisetatus</i> var. <i>robustus</i> Akers wfo-- 0001289234 | 393 |
| <i>Pereskiaopsis subulata</i> (Muehlenpf.) Britton & Rose wfo-- 0000397834..... | 19 | <i>Peruvocereus albispinus</i> Akers wfo--0001287662 | 163 |
| <i>Pereskiaopsis velutina</i> Rose wfo--0001288060 | 305 | <i>Peruvocereus albispinus</i> var. <i>floribundus</i> Akers wfo-- 0001433645 | 164 |
| <i>Peronocactus carambeiensis</i> (Buining & Brederoo) Doweld wfo--0000397842..... | 280 | <i>Peruvocereus albispinus</i> var. <i>roseospinus</i> Akers wfo-- 0001433646 | 164 |
| <i>Peronocactus concinnus</i> (Monv.) Doweld wfo-- 0000397841..... | 281 | <i>Peruvocereus chrysacanthus</i> Akers wfo--0001287669 .. | 165 |
| <i>Peronocactus concinnus</i> subsp. <i>agnetae</i> (Vliet) Doweld wfo--0001433636..... | 282 | <i>Peruvocereus clavatus</i> Akers wfo--0001289133 | 164 |
| <i>Peronocactus concinnus</i> subsp. <i>multicostatus</i> (Buining & Brederoo) Doweld wfo--0001433637..... | 282 | <i>Peruvocereus multangularis</i> Akers wfo--0001287670 .. | 164 |
| <i>Peronocactus</i> Doweld wfo--4000028823 | 279 | <i>Peruvocereus rubrispinus</i> Akers wfo--0001287659..... | 164 |
| <i>Peronocactus fuscus</i> (F.Ritter) Doweld wfo--0000397840 | 286 | <i>Peruvocereus rubrospinus</i> Akers wfo--0001433647 | 164 |
| <i>Peronocactus horstii</i> (F.Ritter) Doweld wfo--0000397838 | 287 | <i>Peruvocereus salmonoideus</i> Akers wfo--0001287686 .. | 162, 164 |
| <i>Peronocactus linkii</i> (Lehm.) Doweld wfo--0000397837 .. | 288 | <i>Peruvocereus setosus</i> Akers wfo--0001287665 | 164 |
| <i>Peronocactus minimus</i> (Frič & Kreuz. ex Buining) Doweld wfo--0000397836..... | 300 | <i>Peruvocereus setosus</i> var. <i>longicomus</i> Akers wfo-- 0001289409 | 164 |
| <i>Peronocactus minusculus</i> (Hofacker & K.Herm) Doweld wfo--0000397835..... | 296 | <i>Peruvocereus viridiflorus</i> Akers wfo--0001287649 | 164 |
| <i>Peronocactus muricatus</i> (Link & Otto ex Pfeiff.) Doweld wfo--0000397854..... | 294 | <i>Peyotl diffusus</i> (Croizat) Sotom. wfo--0001286206 | 193 |
| <i>Peronocactus neohorstii</i> (S.Theun.) Doweld wfo-- 0000397843..... | 294 | <i>Peyotl</i> F.Hern. wfo--4000029007..... | 192 |
| <i>Peronocactus ottonis</i> (Lehm.) Doweld wfo--0000397844 | 295 | <i>Peyotl koehresii</i> (Říha) Sotom. wfo--0001286207..... | 193 |
| <i>Peronocactus ottonis</i> subsp. <i>horstii</i> (F.Ritter) Doweld wfo-- -0001433638 | 295 | <i>Peyotl viridescens</i> (Halda) Sotom., Arred. & Mart.Mend. wfo--0000397817 | 193 |
| <i>Peronocactus oxycostatus</i> (Buining & Brederoo) Doweld wfo--0000397861..... | 296 | <i>Peyotl xochimilcensis</i> F.Hern. wfo--0000397816 | 193 |
| <i>Peronocactus oxycostatus</i> subsp. <i>gracilis</i> (F.Ritter) Doweld wfo--0001433639..... | 296 | <i>Peyotl zacatensis</i> F.Hern. wfo--0000397815..... | 421 |
| <i>Peronocactus rudibuenekeri</i> (W.R.Abraham) Doweld wfo-- 0000397860..... | 299 | <i>Peyotl zacatensis</i> var. <i>fricii</i> (Haberm.) Sotom., Arred. & Mart.Mend. wfo--0001433648 | 193 |
| <i>Peronocactus rudibuenekeri</i> subsp. <i>glomeratus</i> (N.Gerloff) Doweld wfo--0001433640..... | 299 | <i>Pfeiffera asuntapatensis</i> (M.Kessler, Ibsch & Barthlott) Ralf Bauer wfo--0001039868 | 306 |
| | | <i>Pfeiffera boliviana</i> (Britton) D.R.Hunt wfo--0001284282 | 306 |
| | | <i>Pfeiffera brevispina</i> (F.Ritter) P.V.Heath wfo--0000397812 | 194 |
| | | <i>Pfeiffera brevispina</i> D.R.Hunt wfo--0000397813 | 194 |
| | | <i>Pfeiffera cereiformis</i> Salm-Dyck wfo--0001284155 | 306 |
| | | <i>Pfeiffera crenata</i> (Britton) P.V.Heath wfo--0000397810 | 194 |
| | | <i>Pfeiffera erecta</i> F.Ritter wfo--0001258752 | 306 |

| | | | |
|--|----------|--|-----|
| <i>Pfeiffera gracilis</i> F.Ritter wfo--0001246847 | 306 | <i>Phyllocactus</i> × <i>macquiana</i> Salm-Dyck ex Labour. wfo-- | |
| <i>Pfeiffera ianthothele</i> (Monv.) F.A.C.Weber wfo-- | | 0000397903 | 395 |
| 0001289103 | 306 | <i>Phyllocactus</i> × <i>maelenii</i> Salm-Dyck ex Labour. wfo-- | |
| <i>Pfeiffera ianthothele</i> var. <i>boliviana</i> F.Ritter wfo-- | | 0000397931 | 395 |
| 0001433649 | 306 | <i>Phyllocactus</i> × <i>maurantianus</i> Labour. wfo--0000397929 | |
| <i>Pfeiffera ianthothele</i> var. <i>tarijensis</i> F.Ritter wfo-- |  | ..... | 395 |
| 0001433650 | 306 | <i>Phyllocactus</i> × <i>mexicanus</i> Salm-Dyck ex Labour. wfo-- | |
| <i>Pfeiffera incahuasina</i> (Cárdenas) P.V.Heath wfo-- | | 0000397928 | 395 |
| 0000397807 | 307 | <i>Phyllocactus</i> × <i>pfersdorffii</i> Rümpler wfo--0001433659 . | 395 |
| <i>Pfeiffera incahuasina</i> var. <i>samaipatana</i> (Cárdenas) | | <i>Phyllocactus</i> × <i>pommer-eschei</i> Hildm. wfo--0000397924 | |
| P.V.Heath wfo--0001433651 | 307 | ..... | 395 |
| <i>Pfeiffera mataralensis</i> F.Ritter wfo--0001258753 | 306 | <i>Phyllocactus</i> × <i>purpureus</i> Haage wfo--0000397912 | 395 |
| <i>Pfeiffera mataralensis</i> var. <i>floccosa</i> F.Ritter wfo-- | | <i>Phyllocactus</i> × <i>selloi</i> Sello ex Labour. wfo--0000397919 | 395 |
| 0001260124 | 306 | <i>Phyllocactus</i> × <i>triumphans</i> J.N.Haage wfo--0000397915 | 395 |
| <i>Pfeiffera micrantha</i> (Vaupel) P.V.Heath wfo--0000397806 | | <i>Phyllocactus</i> × <i>violaceus</i> F.Sm. & T.Sm.bis ex Mast. wfo-- | |
| ..... | 194 | 0000397914 | 391 |
| <i>Pfeiffera miyagawae</i> Barthlott & Rauh wfo--0001239328 | | <i>Phyllocactus ackermannii</i> (Haw.) Lindl. wfo--0001265821 | |
| ..... | 306 | ..... | 83 |
| <i>Pfeiffera monacantha</i> (Griseb.) P.V.Heath wfo-- | | <i>Phyllocactus ackermannii</i> (Haw.) Salm-Dyck wfo-- | |
| 0001284290 | 307 | 0001237127 | 83 |
| <i>Pfeiffera monacantha</i> subsp. <i>kimnachii</i> (Doweld) Ralf | | <i>Phyllocactus acuminatus</i> (K.Schum.) K.Schum. wfo-- | |
| Bauer wfo--0001433652 | 307 | 0001233012 | 110 |
| <i>Pfeiffera monacantha</i> subsp. <i>monacantha</i> wfo-- | | <i>Phyllocactus acutifrons</i> Salm-Dyck wfo--0000397825 .. | 394 |
| 0001434918 | 307 | <i>Phyllocactus angularis</i> Lem. ex Labour. wfo--0000397824 | |
| <i>Pfeiffera multigona</i> Cárdenas wfo--0001258751 | 306 | ..... | 83 |
| <i>Pfeiffera paranganiensis</i> (Cárdenas) P.V.Heath wfo-- | | <i>Phyllocactus angulifer</i> G.Don wfo--0000397823 | 83 |
| 0000397811 | 307 | <i>Phyllocactus anguliger</i> Lem. wfo--0001232909 | 83 |
| <i>Pfeiffera rhipsaloides</i> Loefgr. wfo--0001433653 | 332 | <i>Phyllocactus belgica</i> Laet-Contich wfo--0000397822 ... | 394 |
| <i>Pfeiffera</i> Salm-Dyck wfo--4000029014 | 306 | <i>Phyllocactus bififormis</i> (Lindl.) Labour. wfo--0001237131 | 83 |
| <i>Phellosperma</i> Britton & Rose wfo--4000029182 | 197 | <i>Phyllocactus bradei</i> (Britton & Rose) Vaupel wfo-- | |
| <i>Phellosperma guelzowiana</i> (Werderm.) Buxb. wfo-- | | 0001240776 | 378 |
| 0000397833 | 51 | <i>Phyllocactus campmannii</i> Hook.f. wfo--0000397821 ... | 394 |
| <i>Phellosperma longiflora</i> (Britton & Rose) Buxb. wfo-- | | <i>Phyllocactus cartagensis</i> F.A.C.Weber wfo--0000397818 | |
| 0000397831 | 217 | ..... | 109 |
| <i>Phellosperma pacificum</i> H.E.Gates wfo--0000397830 .. | 421 | <i>Phyllocactus cartagensis</i> var. <i>refracta</i> F.A.C.Weber wfo-- | |
| <i>Phellosperma pennispinosa</i> (Krainz) Buxb. wfo-- | | 0001433660 | 109 |
| 0001243894 | 224 | <i>Phyllocactus cartagensis</i> var. <i>robustus</i> F.A.C.Weber wfo-- | |
| <i>Phellosperma tetrancistra</i> (Engelm.) Britton & Rose wfo-- | | 0001433661 | 109 |
| 0001287341 | 53, 197 | <i>Phyllocactus caudatus</i> (Britton & Rose) Vaupel wfo-- | |
| <i>Philippicereus</i> Backeb. wfo--4000029221 | 135 | 0000396387 | 111 |
| <i>Philippicereus castaneus</i> (Phil.) Backeb. wfo--0000397829 | | <i>Phyllocactus caulorhizus</i> Lem. wfo--0000397872 | 83 |
| ..... | 135 | <i>Phyllocactus caulorrhizus</i> Lem. wfo--0001433662 | 84 |
| <i>Phyllarthus</i> Neck. ex M.Gómez wfo--4000029397 | 256 | <i>Phyllocactus charltonii</i> Mast. wfo--0000397923 | 421 |
| <i>Phyllarthus speciosus</i> M.Gómez wfo--0000397828 | 256, 421 | <i>Phyllocactus chiapensis</i> J.A.Purpus wfo--0001224453 | 84 |
| <i>Phyllocactus</i> × <i>belgicus</i> Laet-Contich wfo--0001433654 | 394 | <i>Phyllocactus cooperi</i> Regel wfo--0001233006 | 84 |
| <i>Phyllocactus</i> × <i>campmannii</i> Hook.f. wfo--0001433655 .. | 394 | <i>Phyllocactus costaricensis</i> F.A.C.Weber wfo--0001287187 | |
| <i>Phyllocactus</i> × <i>capelleanus</i> Rother wfo--0000397820 ... | 390 | ..... | 111 |
| <i>Phyllocactus</i> × <i>charltonii</i> Mast. wfo--0001433656 | 394 | <i>Phyllocactus crenatus</i> (Lindl.) Lem. wfo--0000397909 ... | 83 |
| <i>Phyllocactus</i> × <i>cooperi</i> Regel wfo--0000397910 | 394 | <i>Phyllocactus crenatus</i> (Lindl.) Walp. wfo--0001433663 .. | 83 |
| <i>Phyllocactus</i> × <i>franzii</i> Hildm. wfo--0000397908 | 394 | <i>Phyllocactus crenatus</i> var. <i>amaranthinus</i> Regel wfo-- | |
| <i>Phyllocactus</i> × <i>hildmannii</i> Hildm. wfo--0000397904 | 395 | 0000745104 | 394 |
| <i>Phyllocactus</i> × <i>hybridus</i> Voss wfo--0000397902 | 395 | <i>Phyllocactus crenatus</i> var. <i>lateritius</i> Regel wfo-- | |
| <i>Phyllocactus</i> × <i>ignescens</i> J.N.Haage wfo--0000397901 .. | 395 | 0000745102 | 394 |
| <i>Phyllocactus</i> × <i>jenskinsonii</i> J.N.Haage wfo--0001433657 | 395 | <i>Phyllocactus crenatus</i> var. <i>roseus</i> Regel wfo--0000745103 | |
| <i>Phyllocactus</i> × <i>kampmannii</i> Orcutt wfo--0001433658 ... | 395 | ..... | 394 |
| <i>Phyllocactus</i> × <i>londonii</i> J.N.Haage ex Labour. wfo-- | | <i>Phyllocactus crenatus</i> var. <i>roseus-grandiflorus</i> Regel wfo-- | |
| 0000397897 | 395 | 0000745101 | 394 |
| <i>Phyllocactus</i> × <i>longipes</i> Labour. wfo--0000397895 | 395 | <i>Phyllocactus crenatus</i> var. <i>splendens</i> Regel wfo-- | |
| <i>Phyllocactus</i> × <i>lothii</i> Pfeiff. ex Labour. wfo--0000397922 | | 0000745100 | 394 |
| ..... | 395 | <i>Phyllocactus crenatus</i> var. <i>vogelii</i> Regel wfo--0001433664 | |
|  |  | ..... | 394 |
| | | <i>Phyllocactus darrahii</i> K.Schum. wfo--0001232910 | 83 |

| | | | |
|---|-----|--|----------|
| <i>Phyllocactus eichlamii</i> Weing. wfo--0001287968..... | 84 | <i>Phyllocactus weingartii</i> A.Berger wfo--0000397913..... | 83 |
| <i>Phyllocactus gaertneri</i> (Regel) K.Schum. wfo--0000397907 | 326 | <i>Phyllocereus</i> Miq. wfo--4000029418 | 109, 395 |
| <i>Phyllocactus gaillardae</i> (Britton & Rose) Vaupel wfo-- | | <i>Pierrebraunia bahiensis</i> (P.J.Braun & Esteves) Esteves wfo-- | 12 |
| 0001287188..... | 110 | -0000397871 | 12 |
| <i>Phyllocactus grandilobus</i> F.A.C.Weber wfo--0001287957 | 109 | <i>Pierrebraunia brauniorum</i> Esteves wfo--0000397870.. | 406 |
| ..... | 109 | <i>Pierrebraunia eddie-estevesii</i> P.J.Braun wfo--0001433672 | 407 |
| <i>Phyllocactus grandis</i> Lem. wfo--0001233011..... | 110 | ..... | 407 |
| <i>Phyllocactus guatemalensis</i> (Britton & Rose) Vaupel wfo-- | | <i>Pierrebraunia</i> Esteves wfo--4000029654..... | 12 |
| 0001288648..... | 110 | <i>Pilocanthus</i> B.W.Benson & Backeb. wfo--4000029685 | 300 |
| <i>Phyllocactus guyanensis</i> Brongn. ex Labour. wfo-- | | <i>Pilocanthus paradinei</i> (B.W.Benson) B.W.Benson & | |
| 0000397893..... | 110 | Backeb. wfo--0001257447 | 300, 301 |
| <i>Phyllocactus hildmannii</i> Hildm. wfo--0001433665 | 84 | <i>Pilocereus xrenatus</i> K.Schum. wfo--0000397877 | 395 |
| <i>Phyllocactus hookeri</i> (Haw.) Salm-Dyck wfo--0001233008 | 109 | <i>Pilocereus xphyllanthoides</i> K.Schum. wfo--0000397688 | 395 |
| ..... | 109 | ..... | 395 |
| <i>Phyllocactus hookeri</i> (Haw.) Walp. wfo--0001433666 .. | 109 | <i>Pilocereus acranthus</i> K.Schum. ex Weberb. wfo-- | |
| <i>Phyllocactus jenkinsonii</i> Haage wfo--0000397900 | 395 | 0000397869 | 162 |
| <i>Phyllocactus kampmannii</i> Orcutt wfo--0000397899 | 391 | <i>Pilocereus albisetosus</i> (Haw.) K.Schum. wfo--0000397868 | 406 |
| <i>Phyllocactus latifrons</i> (Zucc. ex Pfeiff.) Link ex Walp. wfo-- |  | ..... | 406 |
| 0000397898..... | 110 | <i>Pilocereus albispinus</i> (Salm-Dyck) Rümpler wfo-- | |
| <i>Phyllocactus lepidocarpus</i> F.A.C.Weber wfo--0001287189 | 84 | 0001289086 | 397 |
| ..... | 84 | <i>Pilocereus alensis</i> F.A.C.Weber wfo--0001288118..... | 307 |
| <i>Phyllocactus</i> Link wfo--4000029410..... | 109 | <i>Pilocereus andryanus</i> Cels ex Lem. wfo--0000397866.. | 308 |
| <i>Phyllocactus londonii</i> Haage ex Labour. wfo--0001433667 | 84 | <i>Pilocereus angulosus</i> C.F.Först. wfo--0000397874 | 406 |
| ..... | 84 | <i>Pilocereus arenicola</i> Werderm. wfo--0001245367 | 309 |
| <i>Phyllocactus macrocarpus</i> F.A.C.Weber wfo--0001287190 | 111 | <i>Pilocereus arabidae</i> Lem. wfo--0001288119 | 308 |
| ..... | 111 | <i>Pilocereus atroviridis</i> (Backeb.) Backeb. wfo--0001289099 | 42 |
| <i>Phyllocactus macropterus</i> Lem. wfo--0000397905 | 403 | ..... | 42 |
| <i>Phyllocactus marginatus</i> Salm-Dyck wfo--0000397930 | 110 | <i>Pilocereus auratus</i> Labour. ex Rümpler wfo--0000397864 | 397 |
| <i>Phyllocactus mexicanus</i> (Lem. ex C.F.Först.) Salm-Dyck ex |  | ..... | 397 |
| Labour. wfo--0001433668..... | 83 | <i>Pilocereus aurisetus</i> Werderm. wfo--0001245370 | 308 |
| <i>Phyllocactus nelsonii</i> (Britton & Rose) Vaupel wfo-- | | <i>Pilocereus backebergii</i> Weing. wfo--0001289022..... | 312 |
| 0001289535..... | 84 | <i>Pilocereus bahamensis</i> (Britton) F.M.Knuth wfo-- | |
| <i>Phyllocactus oxypetalus</i> (DC.) Link ex Walp. wfo-- | | 0001289023 | 314 |
| 0001287958..... | 110 | <i>Pilocereus barbadensis</i> (Britton & Rose) A.Berger wfo-- | |
| <i>Phyllocactus pfersdorffii</i> Rümpler wfo--0000396385 | 84 | 0001289025 | 310 |
| <i>Phyllocactus pfersdorffii</i> K.Schum. wfo--0000397926 | 421 | <i>Pilocereus barbatus</i> Rebut ex Rümpler wfo--0000397862 | 310 |
| <i>Phyllocactus phyllanthoides</i> (DC.) Link wfo--0001237128 | 84 | ..... | 310 |
| ..... | 84 | <i>Pilocereus bergeri</i> Backeb. wfo--0000397883 | 421 |
| <i>Phyllocactus phyllanthus</i> (L.) Link wfo--0001287191 | 110 | <i>Pilocereus bradei</i> Backeb. & Voll wfo--0000397865 | 44 |
| <i>Phyllocactus phyllanthus</i> var. <i>boliviensis</i> F.A.C.Weber wfo-- | | <i>Pilocereus brasiliensis</i> (Britton & Rose) Werderm. wfo-- | |
| -0001289365 | 110 | 0001289027 | 308 |
| <i>Phyllocactus phyllanthus</i> var. <i>columbiensis</i> F.A.C.Weber | | <i>Pilocereus brooksianus</i> (Britton & Rose) F.M.Knuth wfo-- | |
| wfo--0001287916..... | 109 | 0001289029 | 309 |
| <i>Phyllocactus phyllanthus</i> var. <i>paraguayensis</i> F.A.C.Weber | | <i>Pilocereus bruennowii</i> J.N.Haage ex Rümpler wfo-- | |
| wfo--0001289364..... | 110 | 0001246848 | 275 |
| <i>Phyllocactus pittieri</i> F.A.C.Weber wfo--0001287192..... | 110 | <i>Pilocereus brunnovianus</i> Moerder wfo--0000398728 .. | 275 |
| <i>Phyllocactus plukenetii</i> Kostel. wfo--0001433669..... | 85 | <i>Pilocereus brunnovianus</i> Moerder wfo--0001433673 .. | 275 |
| <i>Phyllocactus pumilus</i> (Britton & Rose) Vaupel wfo-- | | <i>Pilocereus brunnowii</i> F.Haage ex Nichols. wfo-- | |
| 0000398700..... | 111 | 0000397890 | 275 |
| <i>Phyllocactus purpusii</i> Weing. wfo--0001233013 | 110 | <i>Pilocereus campinensis</i> Backeb. & Voll wfo--0000397889 | 316 |
| <i>Phyllocactus ruestii</i> Weing. wfo--0000397932 | 111 | ..... | 316 |
| <i>Phyllocactus russellianus</i> (Hook.) Salm-Dyck wfo-- | | <i>Pilocereus catalani</i> Riccob. wfo--0000397887 | 422 |
| 0000397921..... | 335 | <i>Pilocereus catingicola</i> (Gürke) Werderm. wfo-- | |
| <i>Phyllocactus russellianus</i> K.Schum. wfo--0000397920.. | 335 | 0000397886 | 309 |
| <i>Phyllocactus serratus</i> Brongn. ex Labour. wfo-- | | <i>Pilocereus celsianus</i> f. <i>auratus</i> K.Schum. wfo--0001433674 | 275 |
| 0000397917..... | 83 | ..... | 275 |
| <i>Phyllocactus speciosus</i> Kostel. wfo--0001433670 | 110 | <i>Pilocereus celsianus</i> Lem. ex Salm-Dyck wfo--0001287442 | 275 |
| <i>Phyllocactus stenopetalus</i> C.F.Först. wfo--0001233009 | 110 | ..... | 275 |
| <i>Phyllocactus strictus</i> Lem. wfo--0001289536..... | 110 | <i>Pilocereus celsianus</i> var. <i>bruennowii</i> (J.N.Haage ex | |
| <i>Phyllocactus thomasianus</i> K.Schum. wfo--0000397916 | 111 | Rümpler) K.Schum. wfo--0001433675..... | 275 |
| <i>Phyllocactus vogelii</i> (Regel) P.Fourn. wfo--0001433671 | 394 | <i>Pilocereus celsianus</i> var. <i>foveolatus</i> (Labour. ex Lem.) | |
| | | Schelle wfo--0001433676 | 275 |

| | | | |
|---|---------|---|-----|
| <i>Pilocereus celsianus</i> var. <i>gracilior</i> K.Schum. wfo-- 0001433677..... | 275 | <i>Pilocereus ghiesbrechtii</i> Rümpler wfo--0000397711 | 406 |
| <i>Pilocereus celsianus</i> var. <i>lanuginosior</i> Salm-Dyck ex K.Schum. wfo--0001433678 | 276 | <i>Pilocereus giganteus</i> (Engelm.) Rümpler wfo--0001289474 | 35 |
| <i>Pilocereus celsianus</i> var. <i>williamsii</i> (Lem.) K.Schum. wfo-- 0001433679..... | 275 | <i>Pilocereus gironensis</i> Rauh & Backeb. wfo--0001289410 | 310 |
| <i>Pilocereus cereus</i> (Haw.) K.Schum. wfo--0001289085 .. | 406 | <i>Pilocereus glaucescens</i> Labour. wfo--0001289042 | 313 |
| <i>Pilocereus chrysacanthus</i> F.A.C.Weber ex K.Schum. wfo-- 0000397885..... | 309 | <i>Pilocereus glaucochrous</i> Werderm. wfo--0001289043. | 311 |
| <i>Pilocereus chrysomallus</i> Lem. wfo--0000397884 | 37, 278 | <i>Pilocereus gounellei</i> F.A.C.Weber ex K.Schum. wfo-- 0000398377 | 387 |
| <i>Pilocereus chrysostele</i> (Vaupel) Werderm. wfo-- 0000397875..... | 309 | <i>Pilocereus gounellei</i> var. <i>zehntneri</i> (Britton & Rose) Backeb. wfo--0001289078 | 387 |
| <i>Pilocereus claroviridis</i> (Backeb.) Backeb. wfo--0000398726 | 312 | <i>Pilocereus grandispinus</i> (Haw.) Lem. wfo--0001252164357 | |
| <i>Pilocereus coeruleascens</i> Lem. wfo--0000397892..... | 311 | <i>Pilocereus guerreronis</i> Backeb. wfo--0001289441..... | 307 |
| <i>Pilocereus collinsii</i> (Britton & Rose) F.M.Knuth wfo-- 0001289031..... | 309 | <i>Pilocereus haagei</i> Poselg. ex Rümpler wfo--0001287745 | 134 |
| <i>Pilocereus colombianus</i> (Rose) Backeb. wfo--0001289033 | 310 | <i>Pilocereus haensleri</i> Backeb. wfo--0000398372 | 422 |
| <i>Pilocereus columna</i> Lem. wfo--0000397880 | 36 | <i>Pilocereus hagendorpii</i> Regel wfo--0001289432 | 422 |
| <i>Pilocereus columna-trajani</i> (Karw. ex Pfeiff.) Lem. wfo-- 0001433680..... | 36 | <i>Pilocereus hapalacanthus</i> Werderm. wfo--0001289045309 | |
| <i>Pilocereus cometes</i> (Scheidw.) Mittler ex C.F.Först. wfo-- 0000397879..... | 311 | <i>Pilocereus haworthii</i> (DC.) Console ex Lem. wfo-- 0001257452 | 398 |
| <i>Pilocereus consolei</i> Lem. wfo--0000397878 | 311 | <i>Pilocereus hermentianus</i> Lem. wfo--0000398371 | 422 |
| <i>Pilocereus crenulatus</i> Salm-Dyck ex Rümpler wfo-- 0000397876..... | 421 | <i>Pilocereus hoogendorpii</i> Ortgies ex K.Schum. wfo-- 0000398408 | 36 |
| <i>Pilocereus crisacanthus</i> Byles & Rowlee wfo--0001247813 | 421 | <i>Pilocereus hoppenstedtii</i> (Roezl ex Rümpler) Mottet wfo-- 0001433681 | 36 |
| <i>Pilocereus curtisii</i> (Otto) Salm-Dyck wfo--0001258717. | 310 | <i>Pilocereus hoppenstedtii</i> F.A.C.Weber wfo--000143368236 | |
| <i>Pilocereus cuyabensis</i> Backeb. wfo--0001289035 | 312 | <i>Pilocereus hoppenstedtii</i> Roezl ex Rümpler wfo-- 0001288122 | 36 |
| <i>Pilocereus dautwitzii</i> F.Haage ex Anon. wfo--0001287744 | 133 | <i>Pilocereus horrispinus</i> (Backeb.) Backeb. wfo-- 0000397710 | 41 |
| <i>Pilocereus dautwitzii</i> Seitz wfo--0001434919..... | 410 | <i>Pilocereus houlettii</i> Lem. wfo--0001289443 | 307 |
| <i>Pilocereus deeringii</i> (Small) F.M.Knuth wfo--0001289037 | 314 | <i>Pilocereus houlettianum</i> Lem. wfo--0000397709 | 307 |
| <i>Pilocereus deficiens</i> (Otto & A.Dietr.) Walton wfo-- 0000397678..... | 357 | <i>Pilocereus houlettii</i> Lem. wfo--0000397732..... | 307 |
| <i>Pilocereus divaricatus</i> (Lam.) Lem. wfo--0000397809... 168 | | <i>Pilocereus jubatus</i> Salm-Dyck wfo--0001289439..... | 311 |
| <i>Pilocereus engelmannii</i> (Parry ex Engelm.) Lem. wfo-- 0001289473..... | 92 | <i>Pilocereus jujuyensis</i> (Backeb.) Anon. wfo--0000397717 46 | |
| <i>Pilocereus erythrocephalus</i> K.Schum. wfo--0001224366 80 | | <i>Pilocereus kanzleri</i> J.N.Haage ex Rümpler wfo-- 0000397742 | 275 |
| <i>Pilocereus euphorbioides</i> (Haw.) Rümpler wfo-- 0001289454..... | 36 | <i>Pilocereus keyensis</i> (Britton & Rose) F.M.Knuth wfo-- 0001289047 | 314 |
| <i>Pilocereus exerens</i> K.Schum. wfo--0001289039..... | 308 | <i>Pilocereus klousacekii</i> Backeb. wfo--0000397741 | 422 |
| <i>Pilocereus fimbriatus</i> Lem. wfo--0000397720..... | 357 | <i>Pilocereus lanatus</i> (Kunth) F.A.C.Weber wfo--0001288836 | 133 |
| <i>Pilocereus flavicomus</i> Salm-Dyck ex Rümpler wfo-- 0000397719..... | 311 | <i>Pilocereus lanatus</i> var. <i>haagei</i> Jostmann wfo--0001433683 | 134 |
| <i>Pilocereus flavispinus</i> Rümpler wfo--0000397718 | 273 | <i>Pilocereus lanuginosus</i> (L.) Rümpler wfo--0001257450 311 | |
| <i>Pilocereus floccosus</i> Backeb. & Voll wfo--0001245374 . | 310 | <i>Pilocereus lanuginosus</i> var. <i>virens</i> Rümpler wfo-- 0001433684 | 311 |
| <i>Pilocereus foersteri</i> Lem. wfo--0001289444..... | 311 | <i>Pilocereus lateralis</i> F.A.C.Weber wfo--0000397740 | 36 |
| <i>Pilocereus fossulatus</i> Labour. wfo--0001288675..... | 276 | <i>Pilocereus lateribarbatus</i> Pfeiff. ex Rümpler wfo-- 0000397739 | 36 |
| <i>Pilocereus fouachianus</i> F.A.C.Weber wfo--0000397723 396 | | <i>Pilocereus</i> Lem. wfo--4000029688..... | 35 |
| <i>Pilocereus foveolatus</i> Labour. ex Lem. wfo--0000397715 | 275 | <i>Pilocereus leninghausii</i> F.Haage ex K.Schum. wfo-- 0001257677 | 288 |
| <i>Pilocereus fricii</i> Backeb. wfo--0000397714 | 42 | <i>Pilocereus leninghausii</i> F.Haage wfo--0000397738 | 288 |
| <i>Pilocereus fulviceps</i> F.A.C.Weber ex K.Schum. wfo-- 0000397713..... | 36 | <i>Pilocereus leucocephalus</i> Poselg. wfo--0001288123 | 311 |
| <i>Pilocereus fulvispinosus</i> (Haw.) K.Schum. wfo-- 0000397712..... | 398 | <i>Pilocereus leucostele</i> (Gürke) Werderm. wfo--0000397736 | 359 |
| <i>Pilocereus gaumeri</i> (Britton & Rose) F.M.Knuth wfo-- 0001289040..... | 311 | <i>Pilocereus llanosii</i> Backeb. wfo--0000397735..... | 422 |
| | | <i>Pilocereus luetzelburgii</i> (Vaupel) Werderm. wfo-- 0001289785 | 359 |
| | | <i>Pilocereus lutescens</i> (Salm-Dyck ex Pfeiff.) Rümpler wfo-- 0000397733 | 398 |

| | | | |
|---|-----|---|--------|
| <i>Pilocereus macrocephalus</i> (F.A.C.Weber ex K.Schum.) F.A.C.Weber wfo--0001289448..... | 37 | <i>Pilocereus royenii</i> (L.) Haw. ex Rümpler wfo--0000397704 | 396 |
| <i>Pilocereus macrostibas</i> K.Schum. wfo--0001287444..... | 255 | <i>Pilocereus royenii</i> var. <i>armatus</i> Salm-Dyck ex Rümpler wfo--0001289096..... | 307 |
| <i>Pilocereus marschalleckianus</i> var. <i>picta</i> Zeiss. wfo-- 0001433685..... | 311 | <i>Pilocereus ruficeps</i> F.A.C.Weber ex Rol.-Goss. wfo-- 0000397703..... | 37 |
| <i>Pilocereus marschalleckianus</i> Zeiss. wfo--0000397731..... | 307 | <i>Pilocereus rupicola</i> Werderm. wfo--0001289066..... | 309 |
| <i>Pilocereus maxonii</i> (Rose) A.Berger wfo--0000397730..... | 311 | <i>Pilocereus russelianus</i> subsp. <i>margaritensis</i> (J.R.Johnst.) Croizat wfo--0001433687..... | 42 |
| <i>Pilocereus maxonii</i> (Rose) F.M.Knuth wfo--0001289052 | 311 | <i>Pilocereus russelianus</i> (Hort.Berol. ex Salm-Dyck) Rümpler wfo--0000397702..... | 40 |
| <i>Pilocereus melocactus</i> K.Schum. wfo--0000397729..... | 54 | <i>Pilocereus salvadorensis</i> Werderm. wfo--0000397701..... | 309 |
| <i>Pilocereus mezcalaensis</i> (Bravo) W.T.Marshall wfo-- 0001289053..... | 37 | <i>Pilocereus sargentianus</i> Orcutt ex K.Schum. wfo-- 0001289466..... | 192 |
| <i>Pilocereus militaris</i> Salm-Dyck wfo--0000397727..... | 278 | <i>Pilocereus sartorianus</i> (Rose) A.Berger wfo--0001289068 | 312 |
| <i>Pilocereus millspaughii</i> (Britton) F.M.Knuth wfo-- 0001289057..... | 312 | <i>Pilocereus schlumbergeri</i> F.A.C.Weber ex K.Schum. wfo-- 0001289071..... | 314 |
| <i>Pilocereus minensis</i> (Werderm.) Backeb. wfo-- 0000397726..... | 44 | <i>Pilocereus schottii</i> (Engelm.) Lem. wfo--0000397699... | 192 |
| <i>Pilocereus monacanthus</i> Lawr. wfo--0000397725..... | 406 | <i>Pilocereus schottii</i> var. <i>australis</i> K.Brandege ex K.Schum. wfo--0001433688..... | 192 |
| <i>Pilocereus monoclonos</i> (DC.) F.M.Knuth wfo--0000397705 | 398 | <i>Pilocereus schottii</i> var. <i>sargentianus</i> Schelle wfo-- 0001289467..... | 192 |
| <i>Pilocereus moritzianus</i> (Otto) Lem. wfo--0000397734..... | 312 | <i>Pilocereus scoparius</i> Poselg. wfo--0001288126..... | 37 |
| <i>Pilocereus mortensenii</i> Croizat wfo--0000397707..... | 42 | <i>Pilocereus senilis</i> (Haw.) Lem. wfo--0001288082..... | 35, 38 |
| <i>Pilocereus multispinus</i> Backeb. wfo--0000397687..... | 422 | <i>Pilocereus senilis</i> var. <i>cristatus</i> Mathsson wfo-- 0001252925..... | 38 |
| <i>Pilocereus niger</i> Poit. wfo--0000397685..... | 406 | <i>Pilocereus sergipensis</i> Werderm. wfo--0001289072..... | 309 |
| <i>Pilocereus nigricans</i> (Lem.) Lem. wfo--0000397684..... | 398 | <i>Pilocereus setosus</i> Gürke wfo--0000397706..... | 387 |
| <i>Pilocereus nobilis</i> (Haw.) K.Schum. wfo--0001257451..... | 398 | <i>Pilocereus smithianus</i> Backeb. wfo--0000397697..... | 422 |
| <i>Pilocereus occultiflorus</i> P.J.Braun & Esteves wfo-- 0000398724..... | 422 | <i>Pilocereus sterkmannii</i> K.Schum. wfo--0000397696..... | 37 |
| <i>Pilocereus oligogonus</i> C.F.Först. ex Lem. wfo--0000397683 | 308 | <i>Pilocereus strausii</i> f. <i>cristatus</i> Dörfel. wfo--0001433689..... | 47 |
| <i>Pilocereus oligolepis</i> (Vaupel) Werderm. wfo--0000397682 | 313 | <i>Pilocereus strausii</i> Heese wfo--0001288678..... | 47 |
| <i>Pilocereus palmeri</i> (Rose) F.M.Knuth wfo--0001289060312 | 178 | <i>Pilocereus strausii</i> var. <i>fricii</i> Dörfel. wfo--0001433690..... | 46 |
| <i>Pilocereus pasacanus</i> F.A.C.Weber ex Rümpler wfo-- 0001252069..... | 313 | <i>Pilocereus strictus</i> (DC.) Rümpler wfo--0000397694..... | 399 |
| <i>Pilocereus pentaedrophorus</i> (Labour.) Console ex Rümpler wfo--0000398723..... | 313 | <i>Pilocereus strictus</i> f. <i>aureus</i> K.Schum. wfo--0001289100 | 422 |
| <i>Pilocereus perlucens</i> (K.Schum.) Werderm. wfo-- 0000397670..... | 40 | <i>Pilocereus strictus</i> var. <i>consolei</i> K.Schum. wfo-- 0001433691..... | 399 |
| <i>Pilocereus phaeacanthus</i> (Gürke) Backeb. wfo-- 0000397679..... | 33 | <i>Pilocereus strictus</i> var. <i>fouachianus</i> K.Schum. wfo-- 0001433692..... | 399 |
| <i>Pilocereus piauhensis</i> (Gürke) Werderm. wfo-- 0000397677..... | 313 | <i>Pilocereus sublanatus</i> C.F.Först. ex Haage wfo-- 0000397693..... | 308 |
| <i>Pilocereus plumieri</i> Lem. wfo--0000397676..... | 314 | <i>Pilocereus swartzii</i> K.Schum. wfo--0000397692..... | 311 |
| <i>Pilocereus polyedrophorus</i> Lem. wfo--0000397675..... | 313 | <i>Pilocereus tehuacanus</i> Weing. wfo--0001289073..... | 312 |
| <i>Pilocereus polygonus</i> (Lam.) K.Schum. wfo--0001288918 | 314 | <i>Pilocereus terscheckii</i> (J.Parm. ex Pfeiff.) Rümpler wfo-- 0000397691..... | 180 |
| <i>Pilocereus polylophus</i> (DC.) Salm-Dyck wfo--0001289449 | 37 | <i>Pilocereus tetetzo</i> (F.A.C.Weber ex J.M.Coult.) F.A.C.Weber ex K.Schum. wfo--0000397690..... | 38 |
| <i>Pilocereus polytychus</i> Lem. ex Rümpler wfo--0000397674 | 422 | <i>Pilocereus tetetzo</i> var. <i>cristata</i> F.A.C.Weber wfo-- 0001433693..... | 38 |
| <i>Pilocereus polytychus</i> (Lem.) Rümpler wfo--0001433686 | 399 | <i>Pilocereus thurberi</i> Engelm. ex Rümpler wfo--0000397689 | 359 |
| <i>Pilocereus pringlei</i> (S.Watson) F.A.C.Weber wfo-- 0000397673..... | 278 | <i>Pilocereus tilophorus</i> Lem. wfo--0000397754..... | 308 |
| <i>Pilocereus purpusii</i> (Britton & Rose) F.M.Knuth wfo-- 0001289063..... | 314 | <i>Pilocereus trichacanthus</i> Rümpler wfo--0000397797..... | 398 |
| <i>Pilocereus remolinensis</i> Backeb. wfo--0000397671..... | 422 | <i>Pilocereus trollii</i> Kupper wfo--0000397724..... | 277 |
| <i>Pilocereus repandus</i> (L.) K.Schum. wfo--0001289112..... | 42 | <i>Pilocereus tuberculatus</i> Werderm. wfo--0001243797..... | 387 |
| <i>Pilocereus rhodacanthus</i> Speg. wfo--0000397698..... | 79 | <i>Pilocereus tuberculosus</i> Rauh & Backeb. wfo--0001289156 | 422 |
| <i>Pilocereus robinii</i> Lem. wfo--0001288125..... | 314 | <i>Pilocereus tweedyanus</i> (Britton & Rose) Backeb. wfo-- 0001289076..... | 310 |
| | | <i>Pilocereus ulei</i> K.Schum. wfo--0000397788..... | 314 |

| | |
|--|--------|
| <i>Pilocereus urbanianus</i> K.Schum. wfo---0000397787 | 310 |
| <i>Pilocereus vellozoi</i> Lem. wfo---0000397786 | 54 |
| <i>Pilocereus verheinei</i> Rümpler wfo---0001433694..... | 33 |
| <i>Pilocereus verheinei</i> Rümpler wfo---0000397748..... | 422 |
| <i>Pilocereus verheinei</i> Rümpler wfo---0000397784..... | 422 |
| <i>Pilocereus virens</i> C.F.Först. ex K.Schum. wfo---0000397782 | 308 |
| <i>Pilocereus virens</i> Lem. wfo---0000397783..... | 308 |
| <i>Pilocereus vollii</i> Backeb. wfo---0000397781..... | 308 |
| <i>Pilocereus wagenaarii</i> Croizat wfo---0000397780..... | 422 |
| <i>Pilocereus weingartii</i> Backeb. wfo---0000397774 | 422 |
| <i>Pilocereus williamsii</i> Lem. wfo---0000397789 | 275 |
| <i>Pilocereus williamsii</i> Scheidw. ex C.F.Först. wfo---0000397779..... | 275 |
| <i>Pilocopiapoa</i> F.Ritter wfo---4000029689..... | 56 |
| <i>Pilocopiapoa hypogaea</i> (F.Ritter) Y.Itô wfo---0000397777 | 59 |
| <i>Pilocopiapoa solaris</i> F.Ritter wfo---0001255097 | 56, 60 |
| <i>Pilopsis</i> Y.Itô wfo---4000042518..... | 103 |
| <i>Pilosocereus xsubsiliis</i> Rizzini & A.Mattos wfo---0001256482..... | 314 |
| <i>Pilosocereus albisummus</i> P.J.Braun & Esteves wfo---0001256458..... | 307 |
| <i>Pilosocereus alensis</i> (F.A.C.Weber) Byles & G.D.Rowley wfo---0001289438..... | 307 |
| <i>Pilosocereus arenicola</i> (Werderm.) Byles & G.D.Rowley wfo---0001245368..... | 309 |
| <i>Pilosocereus armatus</i> (Otto ex Pfeiff.) A.R.Franck wfo---0001434682..... | 307 |
| <i>Pilosocereus arrabidaei</i> (Lem.) Byles & G.D.Rowley wfo---0001245369..... | 308 |
| <i>Pilosocereus atroflavispinus</i> F.Ritter wfo---0000397775..... | 313 |
| <i>Pilosocereus aureispinus</i> (Buining & Brederoo) F.Ritter wfo---0000397795..... | 308 |
| <i>Pilosocereus aurilanus</i> F.Ritter wfo---0000397778..... | 308 |
| <i>Pilosocereus aurisetus</i> (Werderm.) Byles & G.D.Rowley wfo---0001245371..... | 308 |
| <i>Pilosocereus aurisetus</i> subsp. <i>aurilanus</i> (F.Ritter) Zappi wfo---0000397804..... | 308 |
| <i>Pilosocereus aurisetus</i> subsp. <i>aurisetus</i> wfo---0001256459..... | 308 |
| <i>Pilosocereus aurisetus</i> subsp. <i>densilanus</i> (F.Ritter) P.J.Braun & Esteves wfo---0001433695..... | 308 |
| <i>Pilosocereus aurisetus</i> subsp. <i>supthutianus</i> (P.J.Braun) P.J.Braun & Esteves wfo---0001433696..... | 308 |
| <i>Pilosocereus aurisetus</i> subsp. <i>werdermannianus</i> (F.Ritter) P.J.Braun & Esteves wfo---0001433697..... | 308 |
| <i>Pilosocereus azulensis</i> N.P.Taylor & Zappi wfo---0000397802..... | 308 |
| <i>Pilosocereus azureus</i> F.Ritter wfo---0000397801..... | 313 |
| <i>Pilosocereus backebergii</i> (Weing.) Byles & G.D.Rowley wfo---0000397800..... | 312 |
| <i>Pilosocereus bahamensis</i> (Britton) Byles & G.D.Rowley wfo---0001289024..... | 314 |
| <i>Pilosocereus barbadensis</i> (Britton & Rose) Byles & G.D.Rowley wfo---0001289026..... | 310 |
| <i>Pilosocereus bohlei</i> Hofacker wfo---0000397799..... | 308 |
| <i>Pilosocereus bradei</i> (Backeb. & Voll) Byles & G.D.Rowley wfo---0000397798..... | 44 |
| <i>Pilosocereus brasiliensis</i> (Britton & Rose) Backeb. wfo---0001289028..... | 308 |
| <i>Pilosocereus brasiliensis</i> subsp. <i>brasiliensis</i> wfo---0001256460..... | 308 |
| <i>Pilosocereus brasiliensis</i> subsp. <i>ruschianus</i> (Buining & Brederoo) Zappi wfo---0001256462..... | 309 |
| <i>Pilosocereus braunii</i> Esteves wfo---0000397805..... | 387 |
| <i>Pilosocereus brooksianus</i> (Britton & Rose) Byles & G.D.Rowley wfo---0001289030..... | 309 |
| <i>Pilosocereus</i> Byles & G.D.Rowley wfo---4000029708..... | 307 |
| <i>Pilosocereus carolinensis</i> F.Ritter wfo---0000397794..... | 310 |
| <i>Pilosocereus carolinensis</i> var. <i>robustispinus</i> F.Ritter wfo---0001433698..... | 310 |
| <i>Pilosocereus catalani</i> (Riccob.) Byles & G.D.Rowley wfo---0000397793..... | 422 |
| <i>Pilosocereus catingicola</i> (Gürke) Byles & G.D.Rowley wfo---0001245372..... | 309 |
| <i>Pilosocereus catingicola</i> subsp. <i>arenicola</i> (Werderm.) P.J.Braun & Esteves wfo---0001433699..... | 309 |
| <i>Pilosocereus catingicola</i> subsp. <i>cattingicola</i> wfo---0001256463..... | 309 |
| <i>Pilosocereus catingicola</i> subsp. <i>hapalacanthus</i> (Werderm.) P.J.Braun & Esteves wfo---0001433700..... | 309 |
| <i>Pilosocereus catingicola</i> subsp. <i>robustus</i> (F.Ritter) P.J.Braun & Esteves wfo---0001433701..... | 309 |
| <i>Pilosocereus catingicola</i> subsp. <i>salvadorensis</i> (Werderm.) Zappi wfo---0000397791..... | 309 |
| <i>Pilosocereus cenepequei</i> Rizzini & A.Mattos wfo---0000397790..... | 313 |
| <i>Pilosocereus chrysacanthus</i> (F.A.C.Weber ex K.Schum.) Byles & G.D.Rowley wfo---0000397764..... | 309 |
| <i>Pilosocereus chrysostele</i> (Vaupel) Byles & G.D.Rowley wfo---0000397744..... | 309 |
| <i>Pilosocereus chrysostele</i> subsp. <i>catimbauensis</i> N.P.Taylor & Albuquerque-Lima wfo---0001433702..... | 309 |
| <i>Pilosocereus chrysostele</i> subsp. <i>cearensis</i> P.J.Braun & Esteves wfo---0001433703..... | 314 |
| <i>Pilosocereus chrysostele</i> subsp. <i>chrysostele</i> wfo---0001434920..... | 309 |
| <i>Pilosocereus claroviridis</i> (Backeb.) Byles & G.D.Rowley wfo---0000397753..... | 312 |
| <i>Pilosocereus caeruleus</i> (Lem.) F.Ritter wfo---0000397752..... | 311 |
| <i>Pilosocereus collinsii</i> (Britton & Rose) Byles & G.D.Rowley wfo---0001289032..... | 309 |
| <i>Pilosocereus colombianus</i> (Rose) Byles & G.D.Rowley wfo---0001289034..... | 310 |
| <i>Pilosocereus cometes</i> (Scheidw.) Byles & G.D.Rowley wfo---0001289440..... | 311 |
| <i>Pilosocereus crassisepalus</i> (Buining & Brederoo) Anceschi & Magli wfo---0000746906..... | 44 |
| <i>Pilosocereus cristalinensis</i> P.J.Braun & Esteves wfo---0000397750..... | 312 |
| <i>Pilosocereus curtisii</i> (Otto) A.R.Franck wfo---0001433704..... | 310 |
| <i>Pilosocereus cuyabensis</i> (Backeb.) Byles & G.D.Rowley wfo---0001245373..... | 312 |
| <i>Pilosocereus cyaneus</i> F.Ritter wfo---0000397749..... | 313 |
| <i>Pilosocereus deeringii</i> (Small) Byles & G.D.Rowley wfo---0001289038..... | 314 |
| <i>Pilosocereus densiareolatus</i> F.Ritter wfo---0001256464..... | 310 |
| <i>Pilosocereus densiareolatus</i> subsp. <i>brunneolanatus</i> P.J.Braun & Esteves wfo---0001433705..... | 310 |

| | | | |
|---|-----|--|----------|
| <i>Pilosocereus densivillosus</i> P.J.Braun & Esteves wfo-- 0000397755..... | 311 | <i>Pilosocereus jamaicensis</i> Proctor ex A.R.Franck & al. wfo-- 0001433710..... | 311 |
| <i>Pilosocereus diersianus</i> (Esteves) P.J.Braun wfo-- 0001256466..... | 310 | <i>Pilosocereus juaruensis</i> (Buining & Brederoo) P.J.Braun wfo--0000397763..... | 311 |
| <i>Pilosocereus estevesii</i> P.J.Braun wfo--0000397746..... | 312 | <i>Pilosocereus juaruensis</i> subsp. <i>cinnopetalus</i> P.J.Braun, Esteves & R.Esteves Pereira wfo--0001433711..... | 311 |
| <i>Pilosocereus flavipulvinatus</i> (Buining & Brederoo) F.Ritter wfo--0001256468..... | 310 | <i>Pilosocereus juaruensis</i> subsp. <i>juaruensis</i> wfo-- 0001434921..... | 311 |
| <i>Pilosocereus flavipulvinatus</i> subsp. <i>carolinensis</i> (F.Ritter) P.J.Braun & Esteves wfo--0001433706..... | 310 | <i>Pilosocereus kanukuensis</i> (Alexander) Leuenb. wfo-- 0000397773..... | 311 |
| <i>Pilosocereus flavipulvinatus</i> var. <i>carolinensis</i> (F.Ritter) F.Ritter wfo--0001433707..... | 310 | <i>Pilosocereus keyensis</i> (Britton & Rose) Byles & G.D.Rowley wfo--0001289048..... | 314 |
| <i>Pilosocereus flavipulvinatus</i> var. <i>robustispinus</i> (F.Ritter) P.J.Braun & Esteves wfo--0001433708..... | 310 | <i>Pilosocereus laniflorus</i> (N.P.Taylor & Zappi) P.J.Braun & Esteves wfo--0000397761..... | 44 |
| <i>Pilosocereus flexibilispinus</i> P.J.Braun & Esteves wfo-- 0000397745..... | 310 | <i>Pilosocereus lanuginosus</i> (L.) Byles & G.D.Rowley wfo-- 0000397760..... | 311 |
| <i>Pilosocereus flexibispinus</i> P.J.Braun & Esteves wfo-- 0001256469..... | 310 | <i>Pilosocereus lanuginosus</i> subsp. <i>colombianus</i> (Rose) Guiggi wfo--0001433712..... | 310 |
| <i>Pilosocereus floccosus</i> Byles & G.D.Rowley wfo-- 0001245375..... | 310 | <i>Pilosocereus lanuginosus</i> subsp. <i>moritzianus</i> (Otto) Guiggi wfo--0001433713..... | 312 |
| <i>Pilosocereus floccosus</i> subsp. <i>floccosus</i> wfo--0001256470 | 310 | <i>Pilosocereus lanuginosus</i> subsp. <i>tillianus</i> (R.Gruber & Schatz) Guiggi wfo--0001433714..... | 314 |
| <i>Pilosocereus floccosus</i> subsp. <i>quadricostatus</i> (F.Ritter) Zappi wfo--0001256472..... | 310 | <i>Pilosocereus leninghausii</i> F.Haage wfo--0001256032... 423 | |
| <i>Pilosocereus frewenii</i> Zappi & N.P.Taylor wfo-- 0000749851..... | 387 | <i>Pilosocereus leucocephalus</i> (Poselg.) Byles & G.D.Rowley wfo--0001289437..... | 307, 311 |
| <i>Pilosocereus fulvilanatus</i> (Buining & Brederoo) F.Ritter wfo--0000397762..... | 310 | <i>Pilosocereus leucocephalus</i> subsp. <i>palmeri</i> (Rose) Scheinvar wfo--0001433715..... | 312 |
| <i>Pilosocereus fulvilanatus</i> subsp. <i>fulvilanatus</i> wfo-- 0001256473..... | 311 | <i>Pilosocereus lindaianus</i> P.J.Braun & Esteves wfo-- 0000397759..... | 312 |
| <i>Pilosocereus fulvilanatus</i> subsp. <i>rosae</i> (P.J.Braun) Zappi wfo--0000397748..... | 311 | <i>Pilosocereus lindanus</i> P.J.Braun & Esteves wfo-- 0001433716..... | 312 |
| <i>Pilosocereus fulvilanatus</i> subsp. <i>vanheekianus</i> P.J.Braun & Esteves wfo--0001433709..... | 311 | <i>Pilosocereus luetzelburgii</i> (Vaupel) Byles & G.D.Rowley wfo--0001289786..... | 359 |
| <i>Pilosocereus gaturianensis</i> F.Ritter wfo--0000397771... 314 | | <i>Pilosocereus machrisii</i> (E.Y.Dawson) Backeb. wfo-- 0000397757..... | 312 |
| <i>Pilosocereus gaumeri</i> (Britton & Rose) Backeb. wfo-- 0001289041..... | 311 | <i>Pilosocereus machrisii</i> subsp. <i>cristalinensis</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001433717..... | 312 |
| <i>Pilosocereus gimnensis</i> Rauh & Backeb. wfo--0000397770 | 422 | <i>Pilosocereus magnificus</i> (Buining & Brederoo) F.Ritter wfo-- 0001256476..... | 312 |
| <i>Pilosocereus gironensis</i> Rauh & Backeb. ex Byles & G.D.Rowley wfo--0000398747..... | 310 | <i>Pilosocereus maxonii</i> (Rose) Byles & G.D.Rowley wfo-- 0000397722..... | 311 |
| <i>Pilosocereus glaucescens</i> (Labour.) Byles & G.D.Rowley wfo--0001245626..... | 313 | <i>Pilosocereus millspaughii</i> (Britton) Byles & G.D.Rowley wfo--0001289058..... | 312 |
| <i>Pilosocereus glaucochrous</i> (Werderm.) Byles & G.D.Rowley wfo--0001245627..... | 311 | <i>Pilosocereus minensis</i> (Werderm.) Byles & G.D.Rowley wfo--0001246391..... | 44 |
| <i>Pilosocereus goianus</i> P.J.Braun & Esteves wfo-- 0000397769..... | 312 | <i>Pilosocereus mollispinus</i> P.J.Braun & Esteves wfo-- 0000398746..... | 312 |
| <i>Pilosocereus gounellei</i> (F.A.C.Weber ex K.Schum.) Byles & G.D.Rowley wfo--0000397768..... | 387 | <i>Pilosocereus monoclonus</i> (DC.) Byles & G.D.Rowley wfo-- 0001246392..... | 398 |
| <i>Pilosocereus gounellei</i> subsp. <i>zehntneri</i> (Britton & Rose) Zappi wfo--0001256475..... | 387 | <i>Pilosocereus moritzianus</i> (Otto) Byles & G.D.Rowley wfo-- 0000398103..... | 312 |
| <i>Pilosocereus gounellei</i> var. <i>zehntneri</i> (Britton & Rose) Byles & G.D.Rowley wfo--0001289079..... | 387 | <i>Pilosocereus mortensenii</i> (Croizat) Backeb. wfo-- 0000398102..... | 42 |
| <i>Pilosocereus gruberi</i> Schatzl & H.Till wfo--0000397767.. 42 | | <i>Pilosocereus mucosiflorus</i> (Buining & Brederoo) F.Ritter wfo--0000398101..... | 314 |
| <i>Pilosocereus guerreronis</i> (Backeb.) Byles & G.D.Rowley wfo--0001289442..... | 307 | <i>Pilosocereus multicostatus</i> F.Ritter wfo--0001256478.. 312 | |
| <i>Pilosocereus hapalacanthus</i> (Werderm.) Byles & G.D.Rowley wfo--0001246250..... | 309 | <i>Pilosocereus nobilis</i> (Haw.) Byles & G.D.Rowley wfo-- 0001287159..... | 398 |
| <i>Pilosocereus hermentianus</i> (Monv. ex Lem.) Byles & G.D.Rowley wfo--0001246389..... | 422 | <i>Pilosocereus occultiflorus</i> P.J.Braun & Esteves wfo-- 0000398099..... | 422 |
| <i>Pilosocereus hermii</i> P.J.Braun, Esteves & Hofacker wfo-- 0000507793..... | 406 | <i>Pilosocereus oligolepis</i> (Vaupel) Byles & G.D.Rowley wfo-- 0001289487..... | 313 |

| | | | |
|--|-----|---|-----|
| <i>Pilosocereus oligolepis</i> subsp. <i>kanukuensis</i> (Alexander) P.J.Braun & Esteves wfo---0000398098..... | 311 | <i>Pilosocereus rizzoianus</i> P.J.Braun & Esteves wfo--- 0000398745 | 314 |
| <i>Pilosocereus oreus</i> F.Ritter wfo---0000398097..... | 313 | <i>Pilosocereus robinii</i> (Lem.) Byles & G.D.Rowley wfo--- 0001219645 | 314 |
| <i>Pilosocereus pachycladus</i> F.Ritter wfo---0001256479..... | 313 | <i>Pilosocereus robinii</i> var. <i>deeringii</i> (Small) Kartesz & Gandhi wfo---0001219647 | 314 |
| <i>Pilosocereus pachycladus</i> subsp. <i>albisummus</i> (P.J.Braun & Esteves) Guiggi wfo---0001433718..... | 307 | <i>Pilosocereus robustus</i> F.Ritter wfo---0000398104 | 309 |
| <i>Pilosocereus pachycladus</i> subsp. <i>pachycladus</i> wfo--- 0001256480..... | 313 | <i>Pilosocereus rosae</i> P.J.Braun wfo---0000398116 | 311 |
| <i>Pilosocereus pachycladus</i> subsp. <i>pernambucoensis</i> (F.Ritter) Zappi wfo---0000398096 | 313 | <i>Pilosocereus royenii</i> (L.) Byles & G.D.Rowley wfo--- 0000398121 | 396 |
| <i>Pilosocereus pachycladus</i> subsp. <i>viridis</i> N.P.Taylor & Albuq.-Lima wfo---0001433719..... | 313 | <i>Pilosocereus rupicola</i> (Werderm.) Byles & G.D.Rowley wfo- --0001247308..... | 309 |
| <i>Pilosocereus palmeri</i> (Rose) Byles & G.D.Rowley wfo--- 0001289061..... | 312 | <i>Pilosocereus ruschianus</i> (Buining & Brederoo) P.J.Braun wfo---0000398115 | 309 |
| <i>Pilosocereus palmeri</i> var. <i>sartorianus</i> (Rose) Lodé wfo--- 0001433720..... | 312 | <i>Pilosocereus salvadorensis</i> (Werderm.) Byles & G.D.Rowley wfo---0001247309 | 309 |
| <i>Pilosocereus palmeri</i> var. <i>victoriensis</i> (Vaupel) Backeb. wfo- --0001433721..... | 312 | <i>Pilosocereus sartorianus</i> (Rose) Byles & G.D.Rowley wfo--- 0001289070 | 312 |
| <i>Pilosocereus panchesiorum</i> Xhonneux wfo---0001433722 | 311 | <i>Pilosocereus saudadensis</i> F.Ritter wfo---0000398113 ... | 311 |
| <i>Pilosocereus paraguayensis</i> F.Ritter wfo---0000398095 | 311 | <i>Pilosocereus schoebelii</i> P.J.Braun wfo---0000398089 ... | 313 |
| <i>Pilosocereus parvus</i> (Diers & Esteves) P.J.Braun wfo--- 0000398094..... | 313 | <i>Pilosocereus sergipensis</i> (Werderm.) Byles & G.D.Rowley wfo---0001247311 | 309 |
| <i>Pilosocereus pentaedrophorus</i> (Labour.) Byles & G.D.Rowley wfo---0001247302 | 313 | <i>Pilosocereus splendidus</i> F.Ritter wfo---0000398088 | 314 |
| <i>Pilosocereus pentaedrophorus</i> subsp. <i>pentaedrophorus</i> wfo---0001256481..... | 313 | <i>Pilosocereus subg. Lagenopsis</i> (Buxb.) Braun wfo--- 3500004040 | 359 |
| <i>Pilosocereus pentaedrophorus</i> subsp. <i>robustus</i> Zappi wfo--- 0001433723..... | 315 | <i>Pilosocereus sublanatus</i> (Salm-Dyck) Byles & G.D.Rowley wfo---0001247312 | 308 |
| <i>Pilosocereus perlucens</i> (K.Schum.) Byles & G.D.Rowley wfo- --0001247303..... | 40 | <i>Pilosocereus superbus</i> F.Ritter wfo---0000398087..... | 313 |
| <i>Pilosocereus pernambucoensis</i> F.Ritter wfo---0000398092 | 313 | <i>Pilosocereus superbus</i> var. <i>gacapaensis</i> F.Ritter wfo--- 0001433730 | 313 |
| <i>Pilosocereus pernambucoensis</i> subsp. <i>viridis</i> (N.P.Taylor & Albuq.-Lima) Guiggi wfo---0001433724..... | 313 | <i>Pilosocereus superbus</i> var. <i>lanosior</i> F.Ritter wfo--- 0001433731 | 313 |
| <i>Pilosocereus pernambucoensis</i> var. <i>caesius</i> F.Ritter wfo--- 0001433725..... | 313 | <i>Pilosocereus superbus</i> var. <i>regius</i> F.Ritter wfo--- 0001433732 | 313 |
| <i>Pilosocereus pernambucoensis</i> var. <i>montealtoi</i> F.Ritter wfo---0001433726..... | 313 | <i>Pilosocereus superfloccosus</i> (Buining & Brederoo) F.Ritter wfo---0000398077 | 387 |
| <i>Pilosocereus piauihyensis</i> (Gürke) Byles & G.D.Rowley wfo- -0001247304 | 313 | <i>Pilosocereus supthutianus</i> P.J.Braun wfo---0000398085 | 308 |
| <i>Pilosocereus piauihyensis</i> subsp. <i>gaturianensis</i> (F.Ritter) P.J.Braun & Esteves wfo---0001433727..... | 314 | <i>Pilosocereus swartzii</i> (Griseb.) Byles & G.D.Rowley wfo--- 0000398091 | 357 |
| <i>Pilosocereus piauihyensis</i> subsp. <i>mucosiflorus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo---0001433728 | 314 | <i>Pilosocereus tehuacanus</i> (Weing.) Byles & G.D.Rowley wfo- --0001289445..... | 312 |
| <i>Pilosocereus pleurocarpus</i> (F.Ritter) P.J.Braun wfo--- 0000398120..... | 44 | <i>Pilosocereus tillianus</i> R.Gruber & Schatzl wfo--- 0000398083 | 314 |
| <i>Pilosocereus polygonus</i> (Lam.) Byles & G.D.Rowley wfo--- 0001288919..... | 314 | <i>Pilosocereus tuberculatus</i> (Werderm.) Byles & G.D.Rowley wfo---0001243798 | 387 |
| <i>Pilosocereus polygonus</i> subsp. <i>curtisii</i> (Otto) Guiggi wfo--- 0001433729..... | 310 | <i>Pilosocereus tuberosus</i> Rauh & Backeb. wfo--- 0000398082 | 310 |
| <i>Pilosocereus pseudosuperfloccosus</i> P.J.Braun & Esteves wfo---0000744468..... | 406 | <i>Pilosocereus tweedyanus</i> (Britton & Rose) Byles & G.D.Rowley wfo---0001289077 | 310 |
| <i>Pilosocereus purpusii</i> (Britton & Rose) Byles & G.D.Rowley wfo---0001289064..... | 314 | <i>Pilosocereus ulei</i> (K.Schum.) Byles & G.D.Rowley wfo--- 0000398081 | 314 |
| <i>Pilosocereus pusillibaccatus</i> P.J.Braun & Esteves wfo--- 0000398119..... | 314 | <i>Pilosocereus urbanianus</i> (K.Schum.) Byles & G.D.Rowley wfo---0001247316 | 310 |
| <i>Pilosocereus pusilliflorus</i> (F.Ritter) P.J.Braun wfo--- 0000398118..... | 44 | <i>Pilosocereus vilaboensis</i> (Diers & Esteves) P.J.Braun wfo--- 0001256483 | 314 |
| <i>Pilosocereus quadricentralis</i> (E.Y.Dawson) Backeb. wfo--- 0001289065..... | 314 | <i>Pilosocereus vilaboensis</i> subsp. <i>pluricostatus</i> N.P.Taylor, Zappi & P.O.Rosa wfo---0001433733 | 314 |
| <i>Pilosocereus quadricostatus</i> F.Ritter wfo---0001256471 | 310 | <i>Pilosocereus vilaboensis</i> subsp. <i>rizzoanus</i> (P.J.Braun & Esteves) N.P.Taylor & Zappi wfo---0001433734..... | 314 |
| | | <i>Pilosocereus vilaboensis</i> subsp. <i>vilaboensis</i> wfo--- 0001434922 | 315 |

| | | | |
|--|-----|--|-----|
| <i>Pilosocereus werdermannianus</i> (Buining & Brederoo) F.Ritter wfo---0000398078..... | 308 | <i>Piptanthocereus neonesioticus</i> var. <i>interior</i> F.Ritter wfo--- 0000398181..... | 41 |
| <i>Pilosocereus werdermannianus</i> var. <i>densilanatus</i> F.Ritter wfo---0001433735..... | 308 | <i>Piptanthocereus obtusus</i> (Haw.) F.Ritter wfo---0000398180 | 39 |
| <i>Pilosocereus werdermannianus</i> var. <i>diamantinensis</i> F.Ritter wfo---0001433736..... | 308 | <i>Piptanthocereus pachyrhizus</i> (K.Schum.) F.Ritter wfo--- 0000398179..... | 398 |
| <i>Pilosocereus zappiae</i> Lavour & Calvente wfo---0001433737 | 315 | <i>Piptanthocereus peruvianus</i> (L.) Riccob. wfo---0000398178 | 42 |
| <i>Pilosocereus zehntneri</i> (Britton & Rose) F.Ritter wfo--- 0000398171..... | 387 | <i>Piptanthocereus peruvianus</i> var. <i>monstruosus</i> (DC.) Riccob. wfo---0001433744..... | 40 |
| <i>Piptanthocereus</i> (A.Berger) Riccob. wfo---4000029820..... | 38 | <i>Piptanthocereus sericifer</i> F.Ritter wfo---0001254660..... | 39 |
| <i>Piptanthocereus aethiops</i> (Haw.) F.Ritter wfo--- 0000398156..... | 38 | <i>Piptanthocereus spegazzinii</i> (F.A.C.Weber) Riccob. wfo--- 0000398177..... | 43 |
| <i>Piptanthocereus alacriportanus</i> (Pfeiff.) F.Ritter wfo--- 0000398155..... | 40 | <i>Piptanthocereus stenogonus</i> (K.Schum.) F.Ritter wfo--- 0000398176..... | 43 |
| <i>Piptanthocereus azureus</i> (Parm. ex Pfeiff.) Riccob. wfo--- 0000398154..... | 38 | <i>Piptanthocereus uruguayanus</i> F.Ritter wfo---0000398175 | 41 |
| <i>Piptanthocereus bageanus</i> F.Ritter wfo---0000398153..... | 41 | <i>Piptanthocereus validus</i> (Haw.) Riccob. wfo---0000398072 | 40 |
| <i>Piptanthocereus beneckeii</i> (Ehrenb.) Riccob. wfo--- 0000398151..... | 356 | <i>Piptanthocereus xanthocarpus</i> (K.Schum.) F.Ritter wfo--- 0000398071..... | 40 |
| <i>Piptanthocereus cabralensis</i> F.Ritter wfo---0001253001..... | 41 | <i>Platyopuntia</i> (Engelm.) F.Ritter wfo---4000042645..... | 256 |
| <i>Piptanthocereus calcirupicola</i> F.Ritter wfo---000125466241 | 41 | <i>Platyopuntia</i> (Engelm.) Frič & Schelle ex Kreuz. wfo--- 4000030136..... | 256 |
| <i>Piptanthocereus calcirupicola</i> var. <i>pluricostatus</i> F.Ritter wfo---0001433738..... | 41 | <i>Platyopuntia albisaetacens</i> (Backeb.) F.Ritter wfo--- 0000398070..... | 7 |
| <i>Piptanthocereus chalibaeus</i> (Salm-Dyck) Riccob. wfo--- 0001433739..... | 38 | <i>Platyopuntia apurimacensis</i> F.Ritter wfo---0001287762..... | 263 |
| <i>Piptanthocereus chalybaeus</i> (Salm-Dyck) Riccob. wfo--- 0000398150..... | 38 | <i>Platyopuntia atroglobosa</i> Backeb. ex F.Ritter wfo--- 0001252213..... | 363 |
| <i>Piptanthocereus cipoensis</i> F.Ritter wfo---0001253002..... | 41 | <i>Platyopuntia brachyacantha</i> F.Ritter wfo---0001246851273 | 273 |
| <i>Piptanthocereus colosseus</i> F.Ritter wfo---0001246850..... | 42 | <i>Platyopuntia brunneogemma</i> F.Ritter wfo---0001263004 | 267 |
| <i>Piptanthocereus comarapanus</i> (Cárdenas) F.Ritter wfo--- 0001277369..... | 39 | <i>Platyopuntia cardiosperma</i> (K.Schum.) F.Ritter wfo--- 0000398067..... | 261 |
| <i>Piptanthocereus crassisepalus</i> (Buining & Brederoo) F.Ritter wfo---0000398158..... | 44 | <i>Platyopuntia chilensis</i> F.Ritter wfo---0000398066..... | 7 |
| <i>Piptanthocereus dayamii</i> (Speg.) F.Ritter wfo--- 0000398147..... | 43 | <i>Platyopuntia cognata</i> F.Ritter wfo---0001256448..... | 272 |
| <i>Piptanthocereus forbesii</i> Riccob. wfo---0000398145..... | 39 | <i>Platyopuntia conjungens</i> F.Ritter wfo---0001246852..... | 334 |
| <i>Piptanthocereus forbesii</i> var. <i>bolivianus</i> F.Ritter wfo--- 0001433740..... | 39 | <i>Platyopuntia cordobensis</i> (Speg.) F.Ritter wfo--- 0000398064..... | 263 |
| <i>Piptanthocereus goiasensis</i> F.Ritter wfo---0001253005..... | 41 | <i>Platyopuntia corrugata</i> (Gillies ex Loudon) F.Ritter wfo--- 0000398063..... | 8 |
| <i>Piptanthocereus hankeanus</i> (F.A.C.Weber ex K.Schum.) Riccob. wfo---0000398144..... | 40 | <i>Platyopuntia discolor</i> (Britton & Rose) F.Ritter wfo--- 0000398062..... | 260 |
| <i>Piptanthocereus huilunchu</i> (Cárdenas) F.Ritter wfo--- 0000398143..... | 41 | <i>Platyopuntia dumetorum</i> (A.Berger) F.Ritter wfo--- 0000398061..... | 271 |
| <i>Piptanthocereus jamacaru</i> (DC.) Riccob. wfo---0000398142 | 41 | <i>Platyopuntia ficus-indica</i> (L.) F.Ritter wfo---0000398711263 | 8 |
| <i>Piptanthocereus jamacaru</i> var. <i>caesia</i> (Salm-Dyck) Riccob. wfo---0001433741..... | 41 | <i>Platyopuntia ianthinantha</i> F.Ritter wfo---0001254420..... | 8 |
| <i>Piptanthocereus jamacaru</i> var. <i>cyanea</i> Riccob. wfo--- 0001433742..... | 41 | <i>Platyopuntia inaequilateralis</i> (A.Berger) F.Ritter wfo--- 0000398084..... | 265 |
| <i>Piptanthocereus jamacaru</i> var. <i>glauca</i> (Ladenberg) Riccob. wfo---0001433743..... | 41 | <i>Platyopuntia inaequilateralis</i> var. <i>angustior</i> F.Ritter wfo--- 0001433745..... | 265 |
| <i>Piptanthocereus labouretianus</i> Riccob. wfo---0000398141 | 39 | <i>Platyopuntia inaequilateralis</i> var. <i>angustior</i> F.Ritter wfo--- 0001287761..... | 265 |
| <i>Piptanthocereus lamprospermus</i> (K.Schum.) F.Ritter wfo--- 0000398140..... | 41 | <i>Platyopuntia inamoena</i> (K.Schum.) F.Ritter wfo--- 0000398069..... | 361 |
| <i>Piptanthocereus lanosus</i> F.Ritter wfo---0001232810..... | 42 | <i>Platyopuntia inamoena</i> f. <i>spinigera</i> F.Ritter wfo--- 0001433746..... | 361 |
| <i>Piptanthocereus lepidotus</i> Backeb. wfo---0000398148..... | 40 | <i>Platyopuntia infesta</i> F.Ritter wfo---0001287764..... | 271 |
| <i>Piptanthocereus lindenzweigianus</i> (Gürke) F.Ritter wfo--- 0000398149..... | 43 | <i>Platyopuntia interjecta</i> F.Ritter wfo---0001246853..... | 261 |
| <i>Piptanthocereus neonesioticus</i> F.Ritter wfo---0000398184 | 41 | <i>Platyopuntia kiska-loro</i> (Speg.) F.Ritter wfo---0000398128 | 257 |
| | | <i>Platyopuntia limitata</i> F.Ritter wfo---0001256649..... | 261 |

| | | | |
|--|----------|--|----------|
| <i>Platyopuntia microdisca</i> (F.A.C.Weber) F.Ritter wfo-- 0000398127..... | 8 | <i>Praecereus euchlorus</i> subsp. <i>diffusus</i> (Britton & Rose) N.P.Taylor wfo--0001254751..... | 315 |
| <i>Platyopuntia nana</i> (Kunth) F.Ritter wfo--0001287763.. | 271 | <i>Praecereus euchlorus</i> subsp. <i>euchlorus</i> wfo--0001434923 | 316 |
| <i>Platyopuntia nigrispina</i> (K.Schum.) F.Ritter wfo-- 0001289314..... | 363 | <i>Praecereus euchlorus</i> subsp. <i>jaenensis</i> (Rauh & Backeb.) Ostolaza wfo--0001254752..... | 316 |
| <i>Platyopuntia orurensis</i> (Cárdenas) F.Ritter wfo-- 0001283655..... | 8 | <i>Praecereus euchlorus</i> subsp. <i>smithianus</i> (Britton & Rose) N.P.Taylor wfo--0000398117..... | 316 |
| <i>Platyopuntia pituitosa</i> F.Ritter wfo--0001254423..... | 267 | <i>Praecereus jaenensis</i> (Rauh & Backeb.) Buxb. wfo-- 0001289202..... | 316 |
| <i>Platyopuntia pyrhantha</i> F.Ritter wfo--0001246854..... | 261 | <i>Praecereus maritimus</i> (Britton & Rose) Buxb. wfo-- 0001289367..... | 315 |
| <i>Platyopuntia quimilo</i> (K.Schum.) F.Ritter wfo-- 0001284034..... | 271 | <i>Praecereus saxicola</i> (Morong) N.P.Taylor wfo-- 0000398076..... | 316 |
| <i>Platyopuntia quitensis</i> (F.A.C.Weber) F.Ritter wfo-- 0001287760..... | 271 | <i>Praecereus smithianus</i> (Britton & Rose) Buxb. wfo-- 0000398075..... | 315, 316 |
| <i>Platyopuntia retrorsa</i> (Speg.) F.Ritter wfo--0000398125 | 257 | <i>Praepilosocereus</i> Guiggi wfo--4000031076..... | 38 |
| <i>Platyopuntia rubrogemmia</i> F.Ritter wfo--0001263067.. | 261 | <i>Praepilosocereus mortensenii</i> (Croizat) Guiggi wfo-- 0000750024..... | 42 |
| <i>Platyopuntia salmiana</i> (J.Parm. ex Pfeiff.) F.Ritter wfo-- 0000398124..... | 333 | <i>Pseudoacanthocereus boreominarum</i> Rizzini & A.Mattos wfo--0000398074..... | 360 |
| <i>Platyopuntia saxatilis</i> F.Ritter wfo--0001256658..... | 361 | <i>Pseudoacanthocereus brasiliensis</i> (Britton & Rose) F.Ritter wfo--0001254753..... | 360 |
| <i>Platyopuntia soehrensii</i> (Britton & Rose) F.Ritter wfo-- 0001289218..... | 7 | <i>Pseudoacanthocereus brasiliensis</i> f. <i>boreominarum</i> (Rizzini & A.Mattos) P.J.Braun & Esteves wfo--0001433752.. | 360 |
| <i>Platyopuntia soehrensii</i> var. <i>grandiflora</i> F.Ritter wfo-- 0001433747..... | 7 | <i>Pseudoacanthocereus</i> F.Ritter wfo--4000031393..... | 360 |
| <i>Platyopuntia soehrensii</i> var. <i>tilcarensis</i> (Backeb.) F.Ritter wfo--0001433748..... | 9 | <i>Pseudoacanthocereus sicariguensis</i> (Croizat & Tamayo) N.P.Taylor wfo--0000398133..... | 360 |
| <i>Platyopuntia soehrensii</i> var. <i>transiens</i> F.Ritter wfo-- 0001433749..... | 7 | <i>Pseudoespostoa</i> Backeb. wfo--4000031511..... | 133 |
| <i>Platyopuntia spinibarbis</i> F.Ritter wfo--0001246855..... | 273 | <i>Pseudoespostoa climaxantha</i> (Werderm.) Backeb. wfo-- 0001289232..... | 393 |
| <i>Platyopuntia spinibarbis</i> var. <i>grandiflora</i> F.Ritter wfo-- 0001433750..... | 273 | <i>Pseudoespostoa melanostele</i> (Vaupel) Backeb. wfo-- 0001287920..... | 133, 134 |
| <i>Platyopuntia sulphurea</i> (Gillies ex Loudon) F.Ritter wfo-- 0000398126..... | 273 | <i>Pseudoespostoa melanostele</i> var. <i>inermis</i> Backeb. wfo-- 0001287921..... | 134 |
| <i>Platyopuntia viridirubra</i> F.Ritter wfo--0001256665..... | 257 | <i>Pseudoespostoa nana</i> (F.Ritter) Backeb. wfo--0001287922 | 134 |
| <i>Platyopuntia vitelliniflora</i> F.Ritter wfo--0001246856.... | 257 | <i>Pseudolobivia</i> (Backeb.) Backeb. wfo--4000031571..... | 103 |
| <i>Platyopuntia vulgaris</i> (Mill.) F.Ritter wfo--0000398137.. | 264 | <i>Pseudolobivia acanthoplegma</i> Backeb. wfo--0000398174 | 190 |
| <i>Plutonopuntia chaffeyi</i> (Britton & Rose) P.V.Heath wfo-- 0000398136..... | 259 | <i>Pseudolobivia ancistrophora</i> (Speg.) Backeb. wfo-- 0000398173..... | 103, 181 |
| <i>Plutonopuntia</i> P.V.Heath wfo--4000030432..... | 256 | <i>Pseudolobivia aurea</i> (Britton & Rose) Backeb. wfo-- 0000398159..... | 103 |
| <i>Polaskia</i> Backeb. wfo--4000030629..... | 87, 315 | <i>Pseudolobivia aurea</i> var. <i>fallax</i> (Oehme) Backeb. wfo-- 0001433753..... | 104 |
| <i>Polaskia chende</i> (Rol.-Goss.) A.C.Gibson & K.E.Horak wfo-- 0001254749..... | 315 | <i>Pseudolobivia boyuibensis</i> (F.Ritter) Backeb. wfo-- 0000398170..... | 182 |
| <i>Polaskia chichipe</i> (Rol.-Goss.) Backeb. wfo--0001288077 | 315 | <i>Pseudolobivia callichroma</i> (Cárdenas) Backeb. wfo-- 0000398185..... | 187 |
| <i>Porfiria</i> Boed. wfo--4000030936..... | 197 | <i>Pseudolobivia calorubra</i> (Cárdenas) Backeb. wfo-- 0001277378..... | 183 |
| <i>Porfiria coahuilensis</i> Boed. wfo--0001255877..... | 197, 202 | <i>Pseudolobivia carmineoflora</i> Hoffm. & Backeb. wfo-- 0000398169..... | 187 |
| <i>Porfiria coahuilensis</i> var. <i>albiflora</i> Boed. wfo--0001433751 | 202 | <i>Pseudolobivia ducis-pauli</i> (C.F.Först.) Krainz wfo-- 0000398168..... | 80 |
| <i>Porfiria schwarzii</i> (Frič) Boed. wfo--0001271931..... | 202 | <i>Pseudolobivia ferox</i> (Britton & Rose) Backeb. wfo-- 0000398167..... | 184 |
| <i>Praecereus amazonicus</i> (K.Schum.) Buxb. wfo-- 0001239342..... | 315 | <i>Pseudolobivia fiebrigii</i> Backeb. ex Krainz wfo--0000398166 | 187 |
| <i>Praecereus apoloensis</i> (Cárdenas) Buxb. wfo--0001239341 | 315 | <i>Pseudolobivia grandis</i> (Britton & Rose) Krainz wfo-- 0000398165..... | 345 |
| <i>Praecereus</i> Buxb. wfo--4000031073..... | 315 | | |
| <i>Praecereus campinensis</i> (Backeb. & Voll) Buxb. wfo-- 0000398112..... | 316 | | |
| <i>Praecereus diffusus</i> (Britton & Rose) N.P.Taylor wfo-- 0001268426..... | 315 | | |
| <i>Praecereus euchlorus</i> (F.A.C.Weber ex K.Schum.) N.P.Taylor wfo--0000398111..... | 315 | | |
| <i>Praecereus euchlorus</i> subsp. <i>amazonicus</i> (K.Schum. ex Vaupel) N.P.Taylor wfo--0001254750..... | 315 | | |

| | | | |
|---|----------|---|----------|
| <i>Pseudolobivia hamatacantha</i> (Backeb.) Backeb. wfo-- 0000398164..... | 181 | <i>Pseudonopalxochia konzattiana</i> (T.MacDoug.) Backeb. wfo--0001288313 | 83 |
| <i>Pseudolobivia kermesina</i> Krainz wfo--0000398162..... | 186 | <i>Pseudonopalxochia konzattianum</i> (T.MacDoug.) Backeb. wfo--0001433761 | 83 |
| <i>Pseudolobivia kratochviliana</i> (Backeb.) Backeb. wfo-- 0000398161..... | 181 | <i>Pseudopilocereus arrabidae</i> (Lem.) Buxb. wfo-- 0001257201 | 307, 308 |
| <i>Pseudolobivia lecoriensis</i> (Cárdenas) Backeb. wfo-- 0000398160..... | 184 | <i>Pseudopilocereus atrofavispinus</i> (F.Ritter) P.V.Heath wfo-- -0000397967 | 313 |
| <i>Pseudolobivia leucorhodantha</i> Backeb. ex Krainz wfo-- 0000398134..... | 181 | <i>Pseudopilocereus aurilanatus</i> (F.Ritter) P.V.Heath wfo-- 0000397966 | 308 |
| <i>Pseudolobivia lobivoides</i> Backeb. ex Krainz wfo-- 0000398123..... | 181 | <i>Pseudopilocereus aurisetus</i> (Werderm.) Buxb. wfo-- 0000397965 | 308 |
| <i>Pseudolobivia longispina</i> Backeb. ex Krainz wfo-- 0000398139..... | 184 | <i>Pseudopilocereus azureus</i> (F.Ritter) P.V.Heath wfo-- 0000397989 | 313 |
| <i>Pseudolobivia longispina</i> var. <i>nigra</i> (Backeb.) Backeb. wfo-- -0001433754 | 184 | <i>Pseudopilocereus azureus</i> Buining & Brederoo wfo-- 0000397964 | 313 |
| <i>Pseudolobivia luteiflora</i> Backeb. wfo--0000398131..... | 103 | <i>Pseudopilocereus bradei</i> (Backeb. & Voll) Buxb. wfo-- 0000397969 | 44 |
| <i>Pseudolobivia nigra</i> (Backeb.) Backeb. wfo--0000398130 | 184 | <i>Pseudopilocereus</i> Buxb. wfo--4000031629..... | 307 |
| <i>Pseudolobivia obrepanda</i> Backeb. ex Krainz wfo-- 0000398043..... | 186 | <i>Pseudopilocereus carolinensis</i> (F.Ritter) P.V.Heath wfo-- 0000397970 | 310 |
| <i>Pseudolobivia obrepanda</i> var. <i>fiebrigii</i> (Gürke) Backeb. wfo--0001433755 | 187 | <i>Pseudopilocereus carolinensis</i> var. <i>robustispinus</i> (F.Ritter) P.V.Heath wfo--0001433762..... | 310 |
| <i>Pseudolobivia orozasana</i> (F.Ritter) Backeb. wfo-- 0000397939..... | 186 | <i>Pseudopilocereus catingicola</i> (Gürke) Buxb. wfo-- 0000398000 | 309 |
| <i>Pseudolobivia pelecyrhachis</i> Backeb. ex Krainz wfo-- 0000398068..... | 181 | <i>Pseudopilocereus chrysostele</i> (Vaupel) Buxb. wfo-- 0000397999 | 309 |
| <i>Pseudolobivia pelecyrhachis</i> var. <i>lobivoides</i> (Backeb.) Backeb. wfo--0001433756 | 181 | <i>Pseudopilocereus cuyabensis</i> (Backeb.) Buxb. wfo-- 0000397998 | 312 |
| <i>Pseudolobivia polyancistra</i> (Backeb.) Backeb. wfo-- 0000397978..... | 181 | <i>Pseudopilocereus densiareolatus</i> (F.Ritter) P.V.Heath wfo-- -0000397997 | 310 |
| <i>Pseudolobivia potosina</i> (Werderm.) Backeb. ex Krainz wfo-- -0000397976 | 184 | <i>Pseudopilocereus diersianus</i> Esteves wfo--0001256465310 | |
| <i>Pseudolobivia rojasii</i> (Cárdenas) Backeb. wfo-- 0000397975..... | 187 | <i>Pseudopilocereus flavipulvinatus</i> Buining & Brederoo wfo-- -0001256467 | 310 |
| <i>Pseudolobivia rojasii</i> var. <i>albiflora</i> (Cárdenas) Backeb. wfo-- -0001433757 | 187 | <i>Pseudopilocereus floccosus</i> Buxb. wfo--0000397996 ... | 310 |
| <i>Pseudolobivia toralapana</i> (Cárdenas) Backeb. wfo-- 0000397974..... | 187 | <i>Pseudopilocereus fulvilanatus</i> Buining & Brederoo wfo-- 0000397994 | 310 |
| <i>Pseudolobivia torrecillasensis</i> (Cárdenas) Backeb. wfo-- 0000397973..... | 182 | <i>Pseudopilocereus gaturianensis</i> (F.Ritter) P.V.Heath wfo-- 0000397993 | 314 |
| <i>Pseudolobivia wilkeae</i> Backeb. wfo--0001260642 | 370 | <i>Pseudopilocereus glaucescens</i> (Labour.) Buxb. wfo-- 0000397992 | 313 |
| <i>Pseudolobivia wilkeae</i> var. <i>carminata</i> Backeb. wfo-- 0001433758..... | 184 | <i>Pseudopilocereus glaucochrous</i> (Werderm.) Buxb. wfo-- 0000397979 | 311 |
| <i>Pseudomaihueniopsis</i> Guiggi wfo--4000042737 | 362 | <i>Pseudopilocereus gounellei</i> (F.A.C.Weber ex K.Schum.) Buxb. wfo--0000397990 | 387 |
| <i>Pseudomaihueniopsis nigrispina</i> (K.Schum.) Guiggi wfo-- 0001433759..... | 363 | <i>Pseudopilocereus hapalacanthus</i> (Werderm.) Buxb. wfo-- 0000398001 | 309 |
| <i>Pseudomaihueniopsis nigrispina</i> subsp. <i>atroglobosa</i> (F.Ritter) Guiggi wfo--0001433760..... | 363 | <i>Pseudopilocereus juaruensis</i> Buining & Brederoo wfo-- 0000397988 | 311 |
| <i>Pseudomammillaria albescens</i> (Tiegel) Buxb. wfo-- 0000397972..... | 205 | <i>Pseudopilocereus luetzelburgii</i> (Vaupel) Buxb. wfo-- 0000397987 | 359 |
| <i>Pseudomammillaria</i> Buxb. wfo--4000031586 | 197 | <i>Pseudopilocereus machrisii</i> (E.Y.Dawson) Buining & Brederoo wfo--0000397985 | 312 |
| <i>Pseudomammillaria campotricha</i> (Dams) Buxb. wfo-- 0001240019..... | 197, 205 | <i>Pseudopilocereus machrisii</i> (E.Y.Dawson) Buxb. wfo-- 0000397986 | 312 |
| <i>Pseudomammillaria decipiens</i> (Scheidw.) Buxb. wfo-- 0000397971..... | 204 | <i>Pseudopilocereus magnificus</i> Buining & Brederoo wfo-- 0001256477 | 312 |
| <i>Pseudomammillaria kraehenbuehlII</i> Krainz wfo-- 0001256233..... | 216 | <i>Pseudopilocereus mucosiflorus</i> Buining & Brederoo wfo-- 0000397983 | 314 |
| <i>Pseudomitrocereus</i> Bravo & Buxb. wfo--4000031599..... | 35 | <i>Pseudopilocereus multicostatus</i> (F.Ritter) P.V.Heath wfo-- 0000397982 | 312 |
| <i>Pseudomitrocereus fulviceps</i> (F.A.C.Weber ex K.Schum.) Bravo & Buxb. wfo--0001289774 | 35, 36 | | |
| <i>Pseudonopalxochia</i> Backeb. wfo--4000031609..... | 83 | | |

| | |
|---|---|
| <i>Pseudopilocereus nobilis</i> (Haw.) Buxb. wfo---0000397981 398 | <i>Pseudorhipsalis alata</i> (Sw.) Britton & Rose wfo--- 0001257242 316, 317 |
| <i>Pseudopilocereus oligolepis</i> (Vaupel) Buxb. wfo--- 0000397980 313 | <i>Pseudorhipsalis amazonica</i> (K.Schum.) Ralf Bauer wfo--- 0000398690 317 |
| <i>Pseudopilocereus oreus</i> (F.Ritter) P.V.Heath wfo--- 0000397961 313 | <i>Pseudorhipsalis amazonica</i> subsp. <i>amazonica</i> wfo--- 0001434924 317 |
| <i>Pseudopilocereus pachycladus</i> (F.Ritter) P.V.Heath wfo--- 0000397991 313 | <i>Pseudorhipsalis amazonica</i> subsp. <i>chocoensis</i> Ralf Bauer wfo---0001433770 317 |
| <i>Pseudopilocereus parvus</i> Diers & Esteves wfo--- 0000397962 313 | <i>Pseudorhipsalis amazonica</i> subsp. <i>panamensis</i> (Britton & Rose) Ralf Bauer wfo---0000398689 317 |
| <i>Pseudopilocereus pentaedrophorus</i> (Labour.) Buxb. wfo--- 0000397949 313 | <i>Pseudorhipsalis</i> Britton & Rose wfo---4000031654 316 |
| <i>Pseudopilocereus pernambucoensis</i> (F.Ritter) P.V.Heath wfo---0000397948 313 | <i>Pseudorhipsalis harrisii</i> (Gürke) Y.Itô wfo---0001273725317 |
| <i>Pseudopilocereus pernambucoensis</i> var. <i>caesius</i> (F.Ritter) P.V.Heath wfo---0001433763 313 | <i>Pseudorhipsalis himantoclada</i> (Rol.-Goss.) Britton & Rose wfo---0001287174 317 |
| <i>Pseudopilocereus pernambucoensis</i> var. <i>montealtoii</i> (F.Ritter) P.V.Heath wfo---0001433764 313 | <i>Pseudorhipsalis horichii</i> (Kimmnach) Barthlott wfo--- 0001289778 317 |
| <i>Pseudopilocereus piauhyensis</i> (Gürke) Buxb. wfo--- 0000397946 313 | <i>Pseudorhipsalis lankesteri</i> (Kimmnach) Barthlott wfo--- 0001289779 317 |
| <i>Pseudopilocereus quadricostatus</i> (F.Ritter) P.V.Heath wfo-- -0000397945 310 | <i>Pseudorhipsalis macrantha</i> Alexander wfo---0001237130 84 |
| <i>Pseudopilocereus robustus</i> (F.Ritter) P.V.Heath wfo--- 0000397944 309 | <i>Pseudorhipsalis ramulosa</i> f. <i>angustissima</i> (F.A.C.Weber) Barthlott wfo---0001433771 173 |
| <i>Pseudopilocereus rupicola</i> (Werderm.) Buxb. wfo--- 0000397943 309 | <i>Pseudorhipsalis ramulosa</i> subsp. <i>jamaicensis</i> (Britton & Harris) Doweld wfo---0001271802 173 |
| <i>Pseudopilocereus ruschianus</i> Buining & Brederoo wfo--- 0001256461 309 | <i>Pseudosolisia valdeziana</i> (H.Moeller) Y.Itô wfo--- 0000397957 370, 375 |
| <i>Pseudopilocereus salvadorensis</i> (Werderm.) Buxb. wfo--- 0000397942 309 | <i>Pseudosolisia valdeziana</i> var. <i>albiflora</i> Y.Itô wfo--- 0001433772 375 |
| <i>Pseudopilocereus saudadensis</i> (F.Ritter) P.V.Heath wfo--- 0000397933 311 | <i>Pseudosolisia</i> Y.Itô wfo---4000031697 370 |
| <i>Pseudopilocereus sergipensis</i> (Werderm.) Buxb. wfo--- 0000397941 309 | <i>Pseudotephrocactus</i> Frič & Schelle wfo---4000031722 17 |
| <i>Pseudopilocereus splendidus</i> (F.Ritter) P.V.Heath wfo--- 0000397950 314 | <i>Pseudotephrocactus subterraneus</i> Kreuz. wfo--- 0001284506 72 |
| <i>Pseudopilocereus superbus</i> (F.Ritter) P.V.Heath wfo--- 0000397938 313 | <i>Pseudotephrocactus subterraneus</i> var. <i>brevispinus</i> Kreuz. wfo---0001433773 72 |
| <i>Pseudopilocereus superbus</i> var. <i>gacapaensis</i> (F.Ritter) P.V.Heath wfo---0001433765 313 | <i>Pseudotephrocactus subterraneus</i> var. <i>inermis</i> Kreuz. wfo-- -0001433774 72 |
| <i>Pseudopilocereus superbus</i> var. <i>lanosior</i> (F.Ritter) P.V.Heath wfo---0001433766 313 | <i>Pseudotephrocactus vestitus</i> (Salm-Dyck) Frič & Schelle wfo---0000737332 19 |
| <i>Pseudopilocereus superbus</i> var. <i>regius</i> (F.Ritter) P.V.Heath wfo---0001433767 313 | <i>Pseudozygocactus</i> Backeb. wfo---4000031752 334 |
| <i>Pseudopilocereus superfloccosus</i> Buining & Brederoo wfo-- -0000397937 387 | <i>Pseudozygocactus epiphyllodes</i> (Porto & Werderm.) Backeb. wfo---0001038964 334 |
| <i>Pseudopilocereus tuberculatus</i> (Werderm.) Buxb. wfo--- 0001243799 387 | <i>Pseudozygocactus epiphyllodes</i> subsp. <i>bradei</i> (Porto & A.Cast.) Doweld wfo---0001433775 334 |
| <i>Pseudopilocereus ulei</i> (K.Schum.) Buxb. wfo---0000397936 314 | <i>Pseudozygocactus epiphyllodes</i> var. <i>bradei</i> (Porto & A.Cast.) Backeb. wfo---0001433776 334 |
| <i>Pseudopilocereus vilaboensis</i> Diers & Esteves wfo--- 0001256484 314 | <i>Pterocactus araucanus</i> A.Cast. wfo---0000397954 317 |
| <i>Pseudopilocereus werdermannianus</i> Buining & Brederoo wfo---0000397935 308 | <i>Pterocactus australis</i> (F.A.C.Weber) Backeb. wfo--- 0000397953 317 |
| <i>Pseudopilocereus werdermannianus</i> var. <i>densilanatus</i> (F.Ritter) P.V.Heath wfo---0001433768 308 | <i>Pterocactus australis</i> var. <i>arnoldianus</i> Backeb. wfo--- 0001433777 317 |
| <i>Pseudopilocereus werdermannianus</i> var. <i>diamantinensis</i> (F.Ritter) P.V.Heath wfo---0001433769 308 | <i>Pterocactus decipiens</i> Gürke wfo---0000397952 317 |
| <i>Pseudopilocereus zehntneri</i> (Britton & Rose) P.V.Heath wfo---0000397958 387 | <i>Pterocactus fischeri</i> Britton & Rose wfo---0001288314 317 |
| <i>Pseudorhipsalis acuminata</i> Cufod. wfo---0001287078 317 | <i>Pterocactus gonjianii</i> R.Kiesling wfo---0000397951 317 |
| | <i>Pterocactus hickenii</i> Britton & Rose wfo---0000398018 317 |
| | <i>Pterocactus</i> K.Schum. wfo---4000031929 317 |
| | <i>Pterocactus kuntzei</i> f. <i>lelongii</i> Ruiz Leal ex R.Kiesling wfo--- 0001039440 318 |
| | <i>Pterocactus kuntzei</i> K.Schum. wfo---0000398053 317, 318 |
| | <i>Pterocactus kurtzei</i> K.Schum. wfo---0000398042 318 |
| | <i>Pterocactus marenae</i> (S.H.Parsons) G.D.Rowley wfo--- 0001289595 148 |
| | <i>Pterocactus meglilii</i> R.Kiesling wfo---0000398041 317 |

| | | | |
|---|----------|---|-----|
| <i>Pterocactus neuquensis</i> R.Kiesling, E.Sarnes & N.Sarnes wfo--0001433778..... | 317 | <i>Pyrrhocactus andicola</i> var. <i>descendens</i> (F.Ritter) F.Ritter wfo--0001433787..... | 116 |
| <i>Pterocactus pumilus</i> Britton & Rose wfo--0000398040 | 318 | <i>Pyrrhocactus andicola</i> var. <i>mollensis</i> (F.Ritter) F.Ritter wfo-- --0001433788..... | 116 |
| <i>Pterocactus reticulatus</i> R.Kiesling wfo--0000398038..... | 317 | <i>Pyrrhocactus andicola</i> var. <i>robustus</i> (F.Ritter) F.Ritter wfo-- -0001433789..... | 116 |
| <i>Pterocactus skottsbergii</i> (Britton & Rose) Backeb. wfo-- 0001289357..... | 318 | <i>Pyrrhocactus andreaeanus</i> (Backeb.) F.Ritter wfo-- 0000398057..... | 125 |
| <i>Pterocactus tuberosus</i> (Pfeiff.) Britton & Rose wfo-- 0001257523..... | 317 | <i>Pyrrhocactus aricensis</i> F.Ritter wfo--0000398056..... | 123 |
| <i>Pterocactus tuberosus</i> f. <i>lelongii</i> (Ruiz Leal ex R.Kiesling) R.Kiesling wfo--0001039441..... | 318 | <i>Pyrrhocactus armatus</i> F.Ritter wfo--0001255406..... | 113 |
| <i>Pterocactus valentini</i> Speg. wfo--0000398037..... | 318 | <i>Pyrrhocactus aspillagae</i> (Söhrens) F.Ritter wfo-- 0000398055..... | 113 |
| <i>Pterocereus foetidus</i> T.MacDoug. & Miranda wfo-- 0001287079..... | 278 | <i>Pyrrhocactus atrospinosus</i> Backeb. wfo--0000398044..... | 125 |
| <i>Pterocereus gaumeri</i> (Britton & Rose) T.MacDoug. & Miranda wfo--0001215688..... | 278 | <i>Pyrrhocactus atroviridis</i> F.Ritter wfo--0001255401..... | 113 |
| <i>Pterocereus gaumeri</i> subsp. <i>foetidus</i> (T.MacDoug. & Miranda) S.Arias & Terrazas wfo--0001433779..... | 278 | <i>Pyrrhocactus bulbocalyx</i> (Werderm.) Backeb. wfo-- 0000398060..... | 114 |
| <i>Pterocereus</i> T.MacDoug. & Miranda wfo--4000031943 | 278 | <i>Pyrrhocactus calderanus</i> F.Ritter wfo--0000398052..... | 114 |
| <i>Puebloa bradyi</i> (L.D.Benson) Doweld wfo--0001039036 | 300, 301 | <i>Pyrrhocactus carrizalensis</i> F.Ritter wfo--0001255402.. | 118 |
| <i>Puebloa bradyi</i> subsp. <i>winkleri</i> (K.D.Heil) Doweld wfo-- 0001433780..... | 302 | <i>Pyrrhocactus catamarcensis</i> (F.A.C.Weber) Backeb. wfo-- 0000398051..... | 125 |
| <i>Puebloa bradyi</i> var. <i>despainii</i> (S.L.Welsh & Goodrich) Doweld wfo--0001433781..... | 301 | <i>Pyrrhocactus centeterius</i> (Lehm. ex Pfeiff.) A.Berger wfo-- 0000398050..... | 413 |
| <i>Puebloa bradyi</i> var. <i>winkleri</i> (K.D.Heil) Doweld wfo-- 0001433782..... | 302 | <i>Pyrrhocactus chaniarensis</i> F.Ritter wfo--0000398049.. | 119 |
| <i>Puebloa</i> Doweld wfo--4000032152..... | 300 | <i>Pyrrhocactus chilensis</i> (Hildm. ex K.Schum.) F.Ritter wfo-- 0000398048..... | 114 |
| <i>Puna bonnieae</i> D.J.Ferguson & R.Kiesling wfo-- 0001250950..... | 363 | <i>Pyrrhocactus chilensis</i> var. <i>albidiflorus</i> F.Ritter wfo-- 0001255398..... | 114 |
| <i>Puna clavarioides</i> (Otto ex Pfeiff.) R.Kiesling wfo-- 0001289353..... | 194, 195 | <i>Pyrrhocactus choapensis</i> F.Ritter wfo--0001255407.... | 116 |
| <i>Puna clavarioides</i> f. <i>cristata</i> (Schelle) P.V.Heath wfo-- 0001433783..... | 195 | <i>Pyrrhocactus chorosensis</i> F.Ritter wfo--0000398046.... | 119 |
| <i>Puna</i> R.Kiesling wfo--4000032178..... | 194 | <i>Pyrrhocactus coliguayensis</i> F.Ritter wfo--0000398045..... | 116 |
| <i>Puna subterranea</i> (R.E.Fr.) R.Kiesling wfo--0001289359. | 72 | <i>Pyrrhocactus confinis</i> F.Ritter wfo--0001255399..... | 120 |
| <i>Punotia</i> D.R.Hunt wfo--4000032186..... | 318 | <i>Pyrrhocactus crispus</i> F.Ritter wfo--0001255400..... | 115 |
| <i>Punotia lagopus</i> (K.Schum.) D.R.Hunt wfo--0000750019 | 318 | <i>Pyrrhocactus curvispinus</i> (Bertero ex Colla) A.Berger wfo-- 0001288749..... | 115 |
| <i>Pygmaeocereus akersii</i> H.Johnson wfo--0001289207... 319 | | <i>Pyrrhocactus deherdtianus</i> (Backeb.) Katt. wfo-- 0000398017..... | 119 |
| <i>Pygmaeocereus bieblii</i> Diers wfo--0000398036..... | 318 | <i>Pyrrhocactus dimorphus</i> F.Ritter wfo--0000398016..... | 124 |
| <i>Pygmaeocereus bieblii</i> subsp. <i>bieblii</i> wfo--0001434925 | 318 | <i>Pyrrhocactus dubius</i> Backeb. wfo--0000398014..... | 114 |
| <i>Pygmaeocereus bieblii</i> subsp. <i>kuehhasii</i> (Diers) Ostolaza wfo--0001433784..... | 318 | <i>Pyrrhocactus echinus</i> F.Ritter wfo--0001255432..... | 123 |
| <i>Pygmaeocereus bieblii</i> var. <i>kuehhasii</i> Diers wfo-- 0001433785..... | 318 | <i>Pyrrhocactus echinus</i> var. <i>minor</i> F.Ritter wfo--0001433790 | 123 |
| <i>Pygmaeocereus bylesianus</i> Andreae & Backeb. wfo-- 0001287698..... | 318 | <i>Pyrrhocactus engleri</i> (F.Ritter) F.Ritter wfo--0000398013 | 117 |
| <i>Pygmaeocereus densiaculeatus</i> Backeb. wfo--0001289157 | 167 | <i>Pyrrhocactus eriosyzoides</i> (F.Ritter) F.Ritter wfo-- 0000398012..... | 117 |
| <i>Pygmaeocereus familiaris</i> F.Ritter wfo--0001287862... 318 | | <i>Pyrrhocactus eriosyzoides</i> var. <i>domeykoensis</i> F.Ritter wfo-- -0001262307..... | 113 |
| <i>Pygmaeocereus</i> H.Johnson & Backeb. wfo--4000032250 | 318 | <i>Pyrrhocactus estherae</i> Damsma wfo--0001433791..... | 125 |
| <i>Pygmaeocereus rowleyanus</i> Backeb. wfo--0001289158318 | | <i>Pyrrhocactus floccosus</i> F.Ritter wfo--0001255433..... | 123 |
| <i>Pygmaeocereus vespertinus</i> H.Johnson wfo--0001289208 | 319 | <i>Pyrrhocactus floccosus</i> var. <i>minor</i> (F.Ritter) F.Ritter wfo-- 0001433792..... | 123 |
| <i>Pyrrhocactus</i> A.Berger wfo--4000032317..... | 112 | <i>Pyrrhocactus floribundus</i> (Backeb.) F.Ritter wfo-- 0000398002..... | 119 |
| <i>Pyrrhocactus aconcaguensis</i> F.Ritter wfo--0001255405 116 | | <i>Pyrrhocactus froehlichianus</i> (K.Schum.) Backeb. wfo-- 0000398011..... | 116 |
| <i>Pyrrhocactus aconcaguensis</i> var. <i>orientalis</i> F.Ritter wfo-- 0001433786..... | 116 | <i>Pyrrhocactus fuscus</i> (Muehlenpf.) F.Ritter wfo-- 0000398019..... | 123 |
| <i>Pyrrhocactus andicola</i> (F.Ritter) F.Ritter wfo--0000398058 | 116 | <i>Pyrrhocactus garaventae</i> (F.Ritter) F.Ritter wfo-- 0000398010..... | 118 |
| | | <i>Pyrrhocactus glaucescens</i> F.Ritter wfo--0000398009... 127 | |
| | | <i>Pyrrhocactus gracilis</i> F.Ritter wfo--0000398008..... | 127 |
| | | <i>Pyrrhocactus grandiflorus</i> F.Ritter wfo--0000398007... 116 | |

| | | | |
|--|-----|---|-----|
| <i>Pyrrhocactus griseus</i> Backeb. wfo--0000398006..... | 422 | <i>Pyrrhocactus paucicostatus</i> var. <i>viridis</i> (F.Ritter) F.Ritter | |
| <i>Pyrrhocactus heinrichianus</i> (Backeb.) F.Ritter wfo-- | | wfo--0001433803 | 123 |
| 0000398005..... | 118 | <i>Pyrrhocactus philippianus</i> Faúndez wfo--0000510140 | 122 |
| <i>Pyrrhocactus horridus</i> (Colla) Backeb. wfo--0000398004 | | <i>Pyrrhocactus pilispinus</i> F.Ritter wfo--0001255435 | 114 |
| ..... | 115 | <i>Pyrrhocactus platyacanthus</i> F.Ritter wfo--0000395481 | 125 |
| <i>Pyrrhocactus horridus</i> var. <i>aconcaguensis</i> (F.Ritter) F.Ritter | | <i>Pyrrhocactus pulchellus</i> F.Ritter wfo--0001262320 | 127 |
| wfo--0001433793..... | 116 | <i>Pyrrhocactus pygmaeus</i> F.Ritter wfo--0001255436..... | 127 |
| <i>Pyrrhocactus horridus</i> var. <i>mutabilis</i> F.Ritter wfo-- | | <i>Pyrrhocactus reconditus</i> F.Ritter wfo--0001255424 | 123 |
| 0001255408..... | 117 | <i>Pyrrhocactus residuus</i> F.Ritter & Buining wfo-- | |
| <i>Pyrrhocactus horridus</i> var. <i>orientalis</i> (F.Ritter) F.Ritter wfo- | | 0000395479 | 123 |
| --0001433794 | 116 | <i>Pyrrhocactus robustus</i> F.Ritter wfo--0001255410 | 116 |
| <i>Pyrrhocactus horridus</i> var. <i>robustus</i> (F.Ritter) F.Ritter wfo-- | | <i>Pyrrhocactus robustus</i> var. <i>vegasanus</i> F.Ritter wfo-- | |
| -0001433795 | 116 | 0001433804 | 116 |
| <i>Pyrrhocactus huascensis</i> F.Ritter wfo--0001255403 | 117 | <i>Pyrrhocactus rupicola</i> F.Ritter wfo--0001038972 | 127 |
| <i>Pyrrhocactus intermedius</i> F.Ritter wfo--0000398033..... | 127 | <i>Pyrrhocactus sanjuanensis</i> (Speg.) Backeb. wfo-- | |
| <i>Pyrrhocactus iquiquensis</i> F.Ritter wfo--0000398032..... | 119 | 0000395473 | 125 |
| <i>Pyrrhocactus jussieui</i> (Monv.) F.Ritter wfo--0000398031 | | <i>Pyrrhocactus saxifragus</i> F.Ritter wfo--0000395478..... | 123 |
| ..... | 124 | <i>Pyrrhocactus scoparius</i> F.Ritter wfo--0000395484 | 127 |
| <i>Pyrrhocactus jussieui</i> var. <i>australis</i> F.Ritter wfo-- | | <i>Pyrrhocactus setiflorus</i> Backeb. wfo--0000395477..... | 125 |
| 0001433796..... | 125 | <i>Pyrrhocactus setosiflorus</i> Backeb. wfo--0000395475 ... | 124 |
| <i>Pyrrhocactus jussieui</i> var. <i>spiniosior</i> F.Ritter wfo-- | | <i>Pyrrhocactus setosiflorus</i> F.Ritter wfo--0001255414.... | 124 |
| 0001433797..... | 124 | <i>Pyrrhocactus setosiflorus</i> var. <i>intermedius</i> F.Ritter wfo-- | |
| <i>Pyrrhocactus kattermannii</i> R.Kiesling wfo--0001039443 | | 0001255413 | 125 |
| ..... | 125 | <i>Pyrrhocactus simulans</i> F.Ritter wfo--0001255416 | 124 |
| <i>Pyrrhocactus kesselringianus</i> (Dölz) F.Ritter wfo-- | | <i>Pyrrhocactus strausianus</i> (K.Schum.) A.Berger wfo-- | |
| 0000398030..... | 116 | 0001038977 | 125 |
| <i>Pyrrhocactus krausii</i> F.Ritter wfo--0000398029 | 114 | <i>Pyrrhocactus strausianus</i> var. <i>sanjuanensis</i> (Speg.) | |
| <i>Pyrrhocactus kunzei</i> (C.F.Först.) Borg wfo--0000398028 | | J.G.Lamb. wfo--0001433805 | 125 |
| ..... | 120 | <i>Pyrrhocactus subaianus</i> Backeb. wfo--0000395474 | 118 |
| <i>Pyrrhocactus limariensis</i> F.Ritter wfo--0001255418 | 120 | <i>Pyrrhocactus taltalensis</i> (Hutchison) F.Ritter wfo-- | |
| <i>Pyrrhocactus lissocarpus</i> F.Ritter wfo--0001255421 | 121 | 0001038973 | 127 |
| <i>Pyrrhocactus lissocarpus</i> var. <i>gracilis</i> F.Ritter wfo-- | | <i>Pyrrhocactus tenuis</i> F.Ritter wfo--0000395492 | 127 |
| 0001255420..... | 121 | <i>Pyrrhocactus totoralensis</i> F.Ritter wfo--0001255404 ... | 115 |
| <i>Pyrrhocactus mammillarioides</i> (Hook.) Backeb. wfo-- | | <i>Pyrrhocactus transiens</i> F.Ritter wfo--0001262325 | 127 |
| 0000398020..... | 138 | <i>Pyrrhocactus transitensis</i> F.Ritter wfo--0001255417.... | 118 |
| <i>Pyrrhocactus marayesensis</i> (Backeb.) J.G.Lamb. wfo-- | | <i>Pyrrhocactus trapichensis</i> F.Ritter wfo--0000395523 ... | 119 |
| 0000398026..... | 114 | <i>Pyrrhocactus truncatipetalus</i> F.Ritter wfo--0000395522 | |
| <i>Pyrrhocactus marksianus</i> F.Ritter wfo--0001255419 | 121 | ..... | 116 |
| <i>Pyrrhocactus marksianus</i> var. <i>tunensis</i> F.Ritter wfo-- | | <i>Pyrrhocactus tubersulcatus</i> (Jacobi) A.Berger wfo-- | |
| 0001433798..... | 121 | 0000395499 | 117 |
| <i>Pyrrhocactus megliolii</i> Rausch wfo--0000398025 | 121 | <i>Pyrrhocactus umadeave</i> (Frič ex Werderm.) Backeb. wfo-- | |
| <i>Pyrrhocactus melanacanthus</i> Backeb. wfo--0000398024 | | 0000395498 | 127 |
| ..... | 128 | <i>Pyrrhocactus umadeave</i> var. <i>marayesensis</i> Backeb. wfo-- | |
| <i>Pyrrhocactus neohankeanus</i> f. <i>woutersianus</i> (Backeb.) | | 0000395923 | 114 |
| F.Ritter wfo--0001433799 | 127 | <i>Pyrrhocactus vallenarensis</i> F.Ritter wfo--0000395497 . | 127 |
| <i>Pyrrhocactus neohankeanus</i> F.Ritter wfo--0001262314..... | 127 | <i>Pyrrhocactus vertongenii</i> J.G.Lamb. wfo--0001255800 | 128 |
| <i>Pyrrhocactus neohankeanus</i> var. <i>densispinus</i> F.Ritter wfo-- | | <i>Pyrrhocactus vexatus</i> F.Ritter wfo--0000395495..... | 123 |
| 0001433800..... | 123 | <i>Pyrrhocactus villicumensis</i> Rausch wfo--0001255437 .. | 128 |
| <i>Pyrrhocactus neohankeanus</i> var. <i>elongatus</i> F.Ritter wfo-- | | <i>Pyrrhocactus vollianus</i> Backeb. wfo--0000395494 | 125 |
| 0001433801..... | 123 | <i>Pyrrhocactus vollianus</i> var. <i>breviaristatus</i> Backeb. wfo-- | |
| <i>Pyrrhocactus neohankeanus</i> var. <i>flaviflorus</i> F.Ritter wfo-- | | 0001433806 | 125 |
| 0001433802..... | 123 | <i>Pyrrhocactus wagenknechtii</i> F.Ritter wfo--0000395493..... | 115 |
| <i>Pyrrhocactus nigricans</i> (Linke) F.Ritter wfo--0000398022 | | <i>Quasitephrocactus</i> G.Popov wfo--4000042624 | 362 |
| ..... | 113 | <i>Quiabentia</i> Britton & Rose wfo--4000032388 | 319 |
| <i>Pyrrhocactus occultus</i> (K.Schum.) F.Ritter wfo-- | | <i>Quiabentia chacoensis</i> Backeb. wfo--0000733432 | 319 |
| 0000398021..... | 119 | <i>Quiabentia chacoensis</i> var. <i>juyuyensis</i> Backeb. wfo-- | |
| <i>Pyrrhocactus odoriflorus</i> F.Ritter wfo--0000396491 | 116 | 0000733433 | 319 |
| <i>Pyrrhocactus pachacoensis</i> Rausch wfo--0001255426 | 125 | <i>Quiabentia pereziensis</i> Backeb. wfo--0000733434 | 319 |
| <i>Pyrrhocactus pamaensis</i> F.Ritter wfo--0000396936 | 116 | <i>Quiabentia pflanzii</i> (Vaupel) Borg wfo--0000733435 ... | 319 |
| <i>Pyrrhocactus paucicostatus</i> (F.Ritter) F.Ritter wfo-- | | <i>Quiabentia pflanzii</i> (Vaupel) Vaupel ex A.Berger wfo-- | |
| 0000395482..... | 122 | 0001287948 | 319 |

| | |
|---|--|
| <i>Quiabentia verticillata</i> (Vaupel) Borg wfo--0000733436 319 | <i>Rathbunia fimbriata</i> (Lam.) P.V.Heath wfo--0000399458 357 |
| <i>Quiabentia verticillata</i> (Vaupel) Vaupel ex A.Berger wfo-- 0001289529..... 319 | <i>Rathbunia fricii</i> (Sánchez-Mej.) P.V.Heath wfo-- 0000399451..... 356 |
| <i>Quiabentia zehntneri</i> (Britton & Rose) Britton & Rose wfo-- -0000733437..... 319 | <i>Rathbunia grisea</i> (Haw.) P.V.Heath wfo--0000399459. 356 |
| <i>Rapicactus beguinii</i> (N.P.Taylor) Lüthy wfo--0000399433 319 | <i>Rathbunia grisea</i> f. <i>cristata</i> P.V.Heath wfo--0001433817 357 |
| <i>Rapicactus beguinii</i> subsp. <i>beguinii</i> wfo--0001433807 319 | <i>Rathbunia grisea</i> var. <i>monstrosa</i> (Salm-Dyck ex DC.) P.V.Heath wfo--0001433818..... 357 |
| <i>Rapicactus beguinii</i> subsp. <i>hintoniorum</i> (A.Hofer) Lüthy wfo--0001433808..... 319 | <i>Rathbunia gummosa</i> (K.Brandege) P.V.Heath wfo-- 0000399461..... 357 |
| <i>Rapicactus beguinii</i> subsp. <i>laurae</i> D.Donati & Zanov. wfo-- 0001433809..... 319 | <i>Rathbunia gummosa</i> f. <i>cristata</i> P.V.Heath wfo-- 0001433819..... 357 |
| <i>Rapicactus booleanus</i> (G.S.Hinton) D.Donati wfo-- 0000399464..... 320 | <i>Rathbunia gummosa</i> f. <i>tortuosa</i> P.V.Heath wfo-- 0001433820..... 357 |
| <i>Rapicactus</i> Buxb. & Oehme wfo--4000032569..... 319 | <i>Rathbunia kerberi</i> (K.Schum.) Britton & Rose wfo-- 0001289460..... 358 |
| <i>Rapicactus canescens</i> D.Donati & Zanov. wfo-- 0000399465..... 319 | <i>Rathbunia laevigata</i> (Salm-Dyck) P.V.Heath wfo-- 0000399488..... 358 |
| <i>Rapicactus donatii</i> D.Donati & Zanov. wfo--0000399466 319 | <i>Rathbunia laevigata</i> var. <i>schumannii</i> (Mathsson ex K.Schum.) P.V.Heath wfo--0001433821..... 238 |
| <i>Rapicactus mandragora</i> (Frič ex A.Berger) Buxb. & Oehme wfo--0000398898..... 320 | <i>Rathbunia longispinus</i> (Britton & Rose) P.V.Heath wfo-- 0000399518..... 358 |
| <i>Rapicactus mandragora</i> subsp. <i>mandragora</i> wfo-- 0001433810..... 320 | <i>Rathbunia martiniezii</i> (J.G.Ortega) P.V.Heath wfo-- 0000399519..... 358 |
| <i>Rapicactus mandragora</i> subsp. <i>pailanus</i> (Halda & Panar.) Lüthy wfo--0001433811..... 320 | <i>Rathbunia montana</i> (Britton & Rose) P.V.Heath wfo-- 0000399520..... 358 |
| <i>Rapicactus pailanus</i> (Halda & Panar.) D.Donati wfo-- 0000398903..... 320 | <i>Rathbunia neosonorensis</i> Backeb. wfo--0001289459... 356 |
| <i>Rapicactus subterraneus</i> (Backeb.) Buxb. & Oehme wfo-- 0001038978..... 319, 320 | <i>Rathbunia pruinosa</i> (Otto ex Pfeiff.) P.V.Heath wfo-- 0000399521..... 358 |
| <i>Rapicactus subterraneus</i> subsp. <i>booleanus</i> (G.S.Hinton) Lüthy wfo--0001433812..... 320 | <i>Rathbunia pseudosonorensis</i> (Gürke) A.Berger wfo-- 0000399528..... 356 |
| <i>Rapicactus subterraneus</i> subsp. <i>zaragosae</i> (Glass & R.A.Foster) Lüthy wfo--0001433813..... 320 | <i>Rathbunia queretaroensis</i> (F.A.C.Weber ex Mathsson) P.V.Heath wfo--0000399523..... 358 |
| <i>Rapicactus zaragosae</i> (Glass & R.A.Foster) D.Donati ex D.Aquino wfo--0001434683..... 320 | <i>Rathbunia quevedonis</i> (J.G.Ortega) P.V.Heath wfo-- 0000399515..... 358 |
| <i>Rapicactus zaragosae</i> (Glass & R.A.Foster) D.Donati wfo-- 0000398901..... 320 | <i>Rathbunia sonorensis</i> (Runge ex Schum.) Britton & Rose wfo--0001289458..... 355, 356 |
| <i>Rathbunia alamosensis</i> (J.M.Coult.) Britton & Rose wfo-- 0001289084..... 356 | <i>Rathbunia standleyi</i> (J.G.Ortega) P.V.Heath wfo-- 0000399524..... 358 |
| <i>Rathbunia alamosensis</i> f. <i>cristata</i> P.V.Heath wfo-- 0001433814..... 356 | <i>Rathbunia stellata</i> (Pfeiff.) P.V.Heath wfo--0000399526 358 |
| <i>Rathbunia alamosensis</i> var. <i>sonorensis</i> (K.Schum.) P.V.Heath wfo--0001433815..... 356 | <i>Rathbunia thurberi</i> (Engelm.) P.V.Heath wfo--0001269387 359 |
| <i>Rathbunia beneckeii</i> (Ehrenb.) P.V.Heath wfo-- 0000398899..... 356 | <i>Rathbunia thurberi</i> f. <i>cristata</i> P.V.Heath wfo--0001433822 359 |
| <i>Rathbunia beneckeii</i> f. <i>cristatus</i> P.V.Heath wfo-- 0001433816..... 356 | <i>Rathbunia thurberi</i> f. <i>dichotoma</i> P.V.Heath wfo-- 0001433823..... 359 |
| <i>Rathbunia</i> Britton & Rose wfo--4000032588..... 355 | <i>Rathbunia thurberi</i> var. <i>littoralis</i> (K.Brandege) P.V.Heath wfo--0001433824..... 359 |
| <i>Rathbunia chacalapensis</i> (Bravo & T.MacDoug.) P.V.Heath wfo--0000399453..... 356 | <i>Rathbunia treleasei</i> (Rose) P.V.Heath wfo--0000399522 359 |
| <i>Rathbunia chrysocarpa</i> (Sánchez-Mej.) P.V.Heath wfo-- 0000399454..... 356 | <i>Rathbunia yunckeri</i> (Standl.) P.V.Heath wfo--0001268834 359 |
| <i>Rathbunia deficiens</i> (Otto & A.Dietr.) P.V.Heath wfo-- 0000399455..... 357 | <i>Rathbunillocaustus xglassii</i> P.V.Heath wfo--0000399511 395 |
| <i>Rathbunia dumortieri</i> (Scheidw.) P.V.Heath wfo-- 0000399456..... 171 | <i>Rauhocereus</i> Backeb. wfo--4000032599..... 320 |
| <i>Rathbunia eichlamii</i> (Britton & Rose) P.V.Heath wfo-- 0000399457..... 238 | <i>Rauhocereus riosaniensis</i> Backeb. wfo--0001287612... 320 |
| <i>Rathbunia eruca</i> (K.Brandege) P.V.Heath wfo-- 0000399463..... 356 | <i>Rauhocereus riosaniensis</i> subsp. <i>jaenensis</i> (Rauh ex Backeb.) Ostolaza wfo--0001433825..... 320 |
| | <i>Rauhocereus riosaniensis</i> subsp. <i>riosaniensis</i> wfo-- 0001434926..... 320 |

| | | | |
|--|-----|---|-----|
| <i>Rauhocereus riosaniensis</i> var. <i>jaenensis</i> Rauh ex Backeb. wfo--0001287613 | 320 | <i>Rebutia calliantha</i> f. <i>breviseta</i> (Backeb.) Buining & Donald wfo--0001433839 | 322 |
| <i>Rebulobivia einsteinii</i> Frič wfo--0000399513 | 21 | <i>Rebutia calliantha</i> f. <i>hyalacantha</i> (Backeb.) Buining & Donald wfo--0001433840 | 321 |
| <i>Rebulobivia Frič</i> wfo--4000032647 | 321 | <i>Rebutia calliantha</i> var. <i>beryllioides</i> Buining & Donald wfo--0001433841 | 322 |
| <i>Rebulobivia haagei</i> Frič & Schelle ex Backeb. & F.M.Knuth wfo--0000399514 | 24 | <i>Rebutia calliantha</i> var. <i>kariusiana</i> (Wessner) Buining & Donald wfo--0001433842 | 322 |
| <i>Rebulobivia peterseimii</i> Frič wfo--0001260710 | 422 | <i>Rebutia calliantha</i> var. <i>krainziana</i> (Kesselr.) Buining & Donald wfo--0001433843 | 322 |
| <i>Rebutia albiareolata</i> F.Ritter wfo--0001246857 | 21 | <i>Rebutia camargoensis</i> Rausch wfo--0000401993 | 25 |
| <i>Rebutia albidula</i> Slaba, Šorma & Lad.Fisch. wfo--0000750119 | 27 | <i>Rebutia canacruzensis</i> Rausch wfo--0001246861 | 25 |
| <i>Rebutia albiflora</i> F.Ritter & Buining wfo--0001288646 | 20 | <i>Rebutia candiae</i> Cárdenas wfo--0001288183 | 379 |
| <i>Rebutia albipilosa</i> F.Ritter wfo--0001288647 | 20 | <i>Rebutia canigueralii</i> Cárdenas wfo--0001254632 | 379 |
| <i>Rebutia albispina</i> (Rausch) Šída wfo--0000399527 | 27 | <i>Rebutia canigueralii</i> subsp. <i>crispata</i> (Rausch) Donald ex D.R.Hunt wfo--0001254646 | 382 |
| <i>Rebutia albopectinata</i> Rausch wfo--0001288326 | 19 | <i>Rebutia canigueralii</i> subsp. <i>pulchra</i> (Cárdenas) Donald ex D.R.Hunt wfo--0001254634 | 323 |
| <i>Rebutia amblypetala</i> (F.Ritter) Mosti wfo--0000399536 | 26 | <i>Rebutia caracarensis</i> Cárdenas wfo--0001262886 | 380 |
| <i>Rebutia applanata</i> (Rausch) Šída wfo--0000399537 | 27 | <i>Rebutia cardenasiana</i> (R.Vásquez) G.Navarro wfo--0001254433 | 381 |
| <i>Rebutia archibuiningiana</i> F.Ritter wfo--0000401525 | 21 | <i>Rebutia carmeniana</i> Rausch wfo--0001260707 | 26 |
| <i>Rebutia arenacea</i> Cárdenas wfo--0001288158 | 379 | <i>Rebutia carminea</i> Buining wfo--0000399539 | 322 |
| <i>Rebutia atrovirens</i> (Backeb.) Šída wfo--0001254432 | 24 | <i>Rebutia christinae</i> Rausch wfo--0001260814 | 25 |
| <i>Rebutia atrovirens</i> var. <i>pseudoritteri</i> (Rausch) Mosti wfo--0001433826 | 26 | <i>Rebutia chrysacantha</i> Backeb. wfo--0000399540 | 322 |
| <i>Rebutia aurantida</i> (Wessner) Buining & Donald wfo--0000402056 | 22 | <i>Rebutia chrysacantha</i> var. <i>elegans</i> (Backeb.) Backeb. wfo--0000406259 | 322 |
| <i>Rebutia aurantida</i> f. <i>gracilis</i> (Wessner) Buining & Donald wfo--0001433827 | 22 | <i>Rebutia chrysacantha</i> var. <i>iseliniana</i> (Krainz) Donald ex Šída wfo--0001433844 | 322 |
| <i>Rebutia aureiflora</i> Backeb. wfo--0001254920 | 22 | <i>Rebutia chrysacantha</i> var. <i>kesselringiana</i> (Bewer.) Donald ex Šída wfo--0001433845 | 322 |
| <i>Rebutia aureiflora</i> f. <i>boedekeriana</i> (Backeb.) Šída wfo--0001433828 | 22 | <i>Rebutia chrysacantha</i> var. <i>schieliana</i> (Bewer.) Šída wfo--0001433846 | 322 |
| <i>Rebutia aureiflora</i> f. <i>duursmaiana</i> (Backeb.) Šída wfo--0001433829 | 22 | <i>Rebutia cincinnata</i> Rausch wfo--0001246862 | 25 |
| <i>Rebutia aureiflora</i> f. <i>rubelliflora</i> (Backeb.) Buining & Donald wfo--0001433830 | 22 | <i>Rebutia cintia</i> Hjertson wfo--0000399530 | 382 |
| <i>Rebutia aureiflora</i> f. <i>rubriflora</i> (Backeb.) Buining & Donald wfo--0001433831 | 22 | <i>Rebutia cintiensis</i> F.Ritter wfo--0001246863 | 21 |
| <i>Rebutia aureiflora</i> f. <i>sarothroides</i> (Werderm.) Buining & Donald wfo--0001433832 | 22 | <i>Rebutia citricarpa</i> Frič wfo--0000399531 | 321 |
| <i>Rebutia aureiflora</i> subsp. <i>elegans</i> (Backeb.) Donald wfo--0001433833 | 22 | <i>Rebutia colorea</i> F.Ritter wfo--0001246864 | 26 |
| <i>Rebutia aureiflora</i> var. <i>albisetata</i> (Backeb.) Borg wfo--0001433834 | 22 | <i>Rebutia corroana</i> Cárdenas wfo--0000399534 | 385 |
| <i>Rebutia aureiflora</i> var. <i>blossfeldii</i> (Werderm.) Donald wfo--0001433835 | 22 | <i>Rebutia costata</i> f. <i>eucaliptana</i> (Backeb.) Buining & Donald wfo--0001433847 | 24 |
| <i>Rebutia aureiflora</i> var. <i>elegans</i> (Backeb.) Buining & Donald wfo--0001433836 | 22 | <i>Rebutia costata</i> Werderm. wfo--0001245817 | 24 |
| <i>Rebutia aureiflora</i> var. <i>sarothroides</i> (Werderm.) Donald wfo--0001433837 | 22 | <i>Rebutia crassa</i> (Rausch) Šída wfo--0000399529 | 27 |
| <i>Rebutia australis</i> Mottram & V.Gapon wfo--0001433838 | 323 | <i>Rebutia cylindrica</i> (Donald & A.B.Lau) Donald wfo--0001254922 | 382 |
| <i>Rebutia blossfeldiana</i> Backeb. wfo--0000402005 | 22 | <i>Rebutia dasyphrissa</i> Werderm. wfo--0000399533 | 321 |
| <i>Rebutia blossfeldii</i> Werderm. wfo--0000402001 | 22 | <i>Rebutia deminuta</i> (F.A.C.Weber) Britton & Rose wfo--0001254923 | 19 |
| <i>Rebutia borealis</i> Diers & Krahn wfo--0001039405 | 321 | <i>Rebutia deminuta</i> f. <i>pseudominuscula</i> (Speg.) Buining & Donald wfo--0001433848 | 20 |
| <i>Rebutia brachyantha</i> (Wessner) Buining & Donald wfo--0001263581 | 25 | <i>Rebutia deminuta</i> subsp. <i>kupperiana</i> (Boed.) Hjertson wfo--0001433849 | 20 |
| <i>Rebutia breviflora</i> (Backeb.) D.R.Hunt wfo--0000402002 | 379 | <i>Rebutia diersiana</i> Rausch wfo--0001246865 | 25 |
| <i>Rebutia brighignae</i> Mosti & Papini wfo--0000402003 | 23 | <i>Rebutia diersiana</i> subsp. <i>atrovirens</i> (Rausch) Mosti wfo--0001433850 | 25 |
| <i>Rebutia brunescens</i> Rausch wfo--0001246858 | 25 | <i>Rebutia diersiana</i> var. <i>atrovirens</i> Rausch wfo--0001433851 | 25 |
| <i>Rebutia brunneoradicata</i> F.Ritter wfo--0001246859 | 25 | <i>Rebutia diersiana</i> var. <i>minor</i> Rausch wfo--0001246866 | 26 |
| <i>Rebutia buiningiana</i> Rausch wfo--0001284412 | 20 | <i>Rebutia donaldiana</i> A.B.Lau & G.D.Rowley wfo--0001246867 | 21 |
| <i>Rebutia caineana</i> Cárdenas wfo--0001254921 | 379 | <i>Rebutia dutineana</i> Rausch wfo--0000510154 | 21 |
| <i>Rebutia cajasensis</i> F.Ritter wfo--0001246860 | 21 | | |
| <i>Rebutia calliantha</i> Bewer. wfo--0000401992 | 322 | | |

| | |
|---|--|
| <i>Rebutia dutineana</i> var. <i>gracilior</i> Rausch wfo--0001433852 21 | <i>Rebutia fiebrigii</i> f. <i>densiseta</i> Cullmann wfo--0001433875 20 |
| <i>Rebutia einsteinii</i> f. <i>conoidea</i> (Wessner) Donald wfo-- 0001433853..... 23 | <i>Rebutia fiebrigii</i> var. <i>densiseta</i> (Cullmann) Oeser wfo-- 0001433876..... 20 |
| <i>Rebutia einsteinii</i> f. <i>karreri</i> (Backeb.) Buining & Donald wfo--0001433854..... 23 | <i>Rebutia fiebrigii</i> var. <i>vulpes</i> F.Ritter wfo--0001433877 .. 21 |
| <i>Rebutia einsteinii</i> f. <i>rubriviridis</i> (Frič & Kreuz. ex Backeb.) Donald wfo--0001433855..... 23 | <i>Rebutia fischeriana</i> Slaba wfo--0000399494..... 23 |
| <i>Rebutia einsteinii</i> f. <i>schmiedcheniana</i> (U.Köhler) Buining & Donald wfo--0001433856..... 22 | <i>Rebutia flavistyla</i> F.Ritter wfo--0001246868..... 21 |
| <i>Rebutia einsteinii</i> f. <i>steineckeii</i> (Backeb.) Donald wfo-- 0001433857..... 23 | <i>Rebutia friedrichiana</i> Rausch wfo--0001246869..... 25 |
| <i>Rebutia einsteinii</i> Frič ex Kreuz. & Buining wfo-- 0001254924..... 21 | <i>Rebutia froehlichiana</i> Rausch wfo--0000399508..... 23 |
| <i>Rebutia einsteinii</i> subsp. <i>aureiflora</i> (Backeb.) Hjertson wfo- --0001433858..... 22 | <i>Rebutia fuauxiana</i> (Backeb.) Šída wfo--0000399509..... 25 |
| <i>Rebutia einsteinii</i> subsp. <i>euanthema</i> (Backeb.) Slaba wfo-- 0001433859..... 22 | <i>Rebutia fulviseta</i> F.Ritter wfo--0001254926..... 20 |
| <i>Rebutia einsteinii</i> subsp. <i>gonjianii</i> (R.Kiesling) Hjertson wfo--0001433860..... 23 | <i>Rebutia fusca</i> F.Ritter wfo--0000399501..... 21 |
| <i>Rebutia einsteinii</i> var. <i>atrospinosa</i> (Rausch) Šída wfo-- 0001433861..... 23 | <i>Rebutia gavazzii</i> Mosti wfo--0000399507..... 27 |
| <i>Rebutia einsteinii</i> var. <i>columnaris</i> (Wessner) Buining & Donald wfo--0001433862..... 23 | <i>Rebutia gavazzii</i> subsp. <i>gertii</i> V.Gapon wfo--0001433878 27 |
| <i>Rebutia einsteinii</i> var. <i>conoidea</i> (Wessner) Buining & Donald wfo--0001433863..... 23 | <i>Rebutia glomeriseta</i> Cárdenas wfo--0001288159..... 379 |
| <i>Rebutia einsteinii</i> var. <i>gonjianii</i> (R.Kiesling) Donald wfo-- 0001433864..... 23 | <i>Rebutia glomerispina</i> Cárdenas wfo--0001262962..... 323 |
| <i>Rebutia einsteinii</i> var. <i>karreri</i> (Backeb.) Šída wfo-- 0001433865..... 23 | <i>Rebutia gonjianii</i> R.Kiesling wfo--0001254927..... 23 |
| <i>Rebutia einsteinii</i> var. <i>rubriviridis</i> (Frič & Kreuz. ex Backeb.) Buining & Donald wfo--0001433866..... 23 | <i>Rebutia graciliflora</i> Backeb. wfo--0000399497..... 323 |
| <i>Rebutia einsteinii</i> var. <i>steineckeii</i> (Backeb.) Buining & Donald wfo--0001433867..... 23 | <i>Rebutia gracilispina</i> F.Ritter wfo--0001246870..... 26 |
| <i>Rebutia elegantula</i> (Rausch) Šída wfo--0000399492..... 27 | <i>Rebutia grandiflora</i> Backeb. wfo--0000399498..... 322 |
| <i>Rebutia eos</i> Rausch wfo--0001260667..... 23 | <i>Rebutia haagei</i> f. <i>flavovirens</i> (Backeb.) Šída wfo-- 0001433879..... 24 |
| <i>Rebutia euanthema</i> (Backeb.) Buining & Donald wfo-- 0001234030..... 22 | <i>Rebutia haagei</i> Frič & Schelle wfo--0001289815..... 24 |
| <i>Rebutia euanthema</i> f. <i>fricii</i> (Backeb.) Buining & Donald wfo--0001433868..... 23 | <i>Rebutia haagei</i> subsp. <i>mudanensis</i> (Rausch) Mosti wfo-- 0001433880..... 25 |
| <i>Rebutia euanthema</i> f. <i>neopygmaea</i> (Backeb.) Buining & Donald wfo--0001433869..... 23 | <i>Rebutia haagei</i> var. <i>elegantula</i> (Rausch) Mosti wfo-- 0001433881..... 27 |
| <i>Rebutia euanthema</i> f. <i>oculata</i> (Werderm.) Buining & Donald wfo--0001433870..... 22 | <i>Rebutia haagei</i> var. <i>orurensis</i> (Backeb.) Šída wfo-- 0001433882..... 24 |
| <i>Rebutia eucaiptana</i> (Backeb.) F.Ritter wfo--0000399489 24 | <i>Rebutia haefneriana</i> (Cullmann) Šída wfo--0000399502 25 |
| <i>Rebutia fabrisii</i> Rausch wfo--0001254925..... 321 | <i>Rebutia haseltonii</i> Cárdenas wfo--0001262845..... 379 |
| <i>Rebutia fabrisii</i> var. <i>aureiflora</i> Rausch wfo--0001433871 321 | <i>Rebutia heliosa</i> Rausch wfo--0001288318..... 20 |
| <i>Rebutia fabrisii</i> var. <i>nana</i> Rausch wfo--0001433872..... 321 | <i>Rebutia heliosa</i> subsp. <i>cajasensis</i> (Donald) Říha & Šeda wfo--0001433883..... 21 |
| <i>Rebutia famatimensis</i> var. <i>jachalensis</i> (Rausch) Šída wfo-- 0001433873..... 326 | <i>Rebutia heliosa</i> subsp. <i>condorensis</i> (Donald) Říha & Šeda wfo--0001433884..... 21 |
| <i>Rebutia famatimensis</i> var. <i>sanjuanensis</i> (Rausch) Šída wfo- --0001433874..... 326 | <i>Rebutia heliosa</i> subsp. <i>teresae</i> Kníže, Říha & Šeda wfo-- 0001433885..... 21 |
| <i>Rebutia famatinensis</i> Speg. ex Hosseus wfo--0000399490 325 | <i>Rebutia heliosa</i> var. <i>cajasensis</i> Donald wfo--0001433886 21 |
| <i>Rebutia fidana</i> (Backeb.) D.R.Hunt wfo--0001252399 .. 382 | <i>Rebutia heliosa</i> var. <i>condorensis</i> Donald wfo--0001433887 21 |
| <i>Rebutia fidana</i> subsp. <i>cintiensis</i> (Cárdenas) D.R.Hunt wfo-- 0001252401..... 383 | <i>Rebutia hoffmannii</i> Diers & Rausch wfo--0000399832.. 21 |
| <i>Rebutia fiebdgii</i> Britton & Rose wfo--0000399493..... 20 | <i>Rebutia huasiensis</i> Rausch wfo--0001246871..... 26 |
| <i>Rebutia fiebrigii</i> (Gürke) Britton & Rose wfo--0001245818 20 | <i>Rebutia hyalacantha</i> (Backeb.) Backeb. wfo--0000399833 321 |
| | <i>Rebutia inflexiseta</i> Cárdenas wfo--0001262897..... 380 |
| | <i>Rebutia iridescens</i> F.Ritter wfo--0001246872..... 26 |
| | <i>Rebutia iscayachensis</i> Rausch wfo--0001246873..... 26 |
| | <i>Rebutia ithyacantha</i> (Cárdenas) Diers wfo--000128440620 |
| | <i>Rebutia jujuyana</i> Rausch wfo--0000399835..... 20 |
| | <i>Rebutia</i> K.Schum. wfo--4000032648..... 19, 321 |
| | <i>Rebutia kariusiana</i> Wessner wfo--0000399836..... 322 |
| | <i>Rebutia karreri</i> Frič wfo--0000399837..... 22 |
| | <i>Rebutia kieslingii</i> Rausch wfo--0000399838..... 21 |
| | <i>Rebutia knizei</i> (Rausch) Šída wfo--0000399839..... 27 |
| | <i>Rebutia knuthiana</i> Backeb. wfo--0000399834..... 322 |
| | <i>Rebutia krainziana</i> Kesselr. wfo--0001245819..... 322 |
| | <i>Rebutia krainziana</i> var. <i>breviseta</i> (Backeb.) Donald wfo-- 0001433888..... 322 |

| | | | |
|---|-----|--|-----|
| <i>Rebutia krainziana</i> var. <i>hyalacantha</i> (Backeb.) Buchheim wfo--0001433889..... | 321 | <i>Rebutia narvaecense</i> (Cárdenas) Donald wfo--0000399846 | 20 |
| <i>Rebutia krainziana</i> var. <i>wessneriana</i> (Bewer.) Krainz & Haarm. wfo--0000734452..... | 322 | <i>Rebutia narvaecensis</i> (Cárdenas) Donald wfo-- 0001254929..... | 20 |
| <i>Rebutia kruegerae</i> (Cárdenas) Backeb. wfo--0000399824 | 383 | <i>Rebutia nazarenoensis</i> (Rausch) B.Fearn & Pearcy wfo-- 0000399847..... | 26 |
| <i>Rebutia kupperiana</i> Boed. wfo--0001287046..... | 20 | <i>Rebutia neocumingii</i> (Backeb.) D.R.Hunt wfo--0001288016 | 384 |
| <i>Rebutia kupperiana</i> var. <i>spiniflora</i> F.Ritter wfo-- 0001433890..... | 21 | <i>Rebutia neocumingii</i> subsp. <i>lanata</i> (F.Ritter) D.R.Hunt wfo-- --0001433901..... | 384 |
| <i>Rebutia lanosiflora</i> F.Ritter wfo--0001246875..... | 26 | <i>Rebutia neocumingii</i> subsp. <i>pilcomayensis</i> (Cárdenas) D.R.Hunt wfo--0001252407..... | 385 |
| <i>Rebutia leucacantha</i> (Rausch) Šída wfo--0000399826..... | 27 | <i>Rebutia neocumingii</i> subsp. <i>pulquinensis</i> (Cárdenas) D.R.Hunt wfo--0001433902..... | 385 |
| <i>Rebutia leucanthema</i> Rausch wfo--0000399823..... | 23 | <i>Rebutia neocumingii</i> subsp. <i>riograndensis</i> (F.Ritter) D.R.Hunt wfo--0001252409..... | 385 |
| <i>Rebutia leucanthema</i> var. <i>cocciniflora</i> F.Ritter wfo-- 0001433891..... | 26 | <i>Rebutia neocumingii</i> subsp. <i>saipinensis</i> (F.H.Brandt) D.R.Hunt wfo--0001252403..... | 385 |
| <i>Rebutia major</i> (Rausch) Šída wfo--0000399827..... | 27 | <i>Rebutia neocumingii</i> subsp. <i>trollii</i> (Oeser) D.R.Hunt wfo-- 0001433903..... | 385 |
| <i>Rebutia malochii</i> Slaba & Lad.Fisch. wfo--0000744583..... | 23 | <i>Rebutia neumanniana</i> (Werderm.) D.R.Hunt wfo-- 0001254930..... | 382 |
| <i>Rebutia mamillosa</i> Rausch wfo--0000399828..... | 23 | <i>Rebutia nicolaii</i> Frič wfo--0000399841..... | 422 |
| <i>Rebutia mamillosa</i> var. <i>australis</i> F.Ritter wfo--0001433892 | 21 | <i>Rebutia nigricans</i> (Wessner) D.R.Hunt wfo--0001252396 | 25 |
| <i>Rebutia mamillosa</i> var. <i>orientalis</i> F.Ritter wfo-- 0001433893..... | 21 | <i>Rebutia nigricans</i> subsp. <i>carmeniana</i> (Rausch) Mosti wfo-- 0001433904..... | 26 |
| <i>Rebutia margarethae</i> Rausch wfo--0001284410..... | 323 | <i>Rebutia nigricans</i> var. <i>albispina</i> (Rausch) Mosti wfo-- 0001433905..... | 27 |
| <i>Rebutia marieae</i> Lad.Fisch. & Halda wfo--0000406262..... | 27 | <i>Rebutia nigricans</i> var. <i>peterseimii</i> (Frič ex Kreuz.) Mosti wfo--0001433906..... | 24 |
| <i>Rebutia marsoneri</i> f. <i>sieperdaiana</i> (Buining) Buining & Donald wfo--0001433894..... | 322 | <i>Rebutia nigricans</i> var. <i>peterseimii</i> Buining & Donald ex Šída wfo--0001433907..... | 27 |
| <i>Rebutia marsoneri</i> var. <i>sieperdaiana</i> (Buining) Donald wfo-- --0001433895..... | 322 | <i>Rebutia nitida</i> F.Ritter wfo--0001246880..... | 21 |
| <i>Rebutia marsoneri</i> Werderm. wfo--0001254928..... | 322 | <i>Rebutia nogalesensis</i> F.Ritter wfo--0001246881..... | 21 |
| <i>Rebutia melanocentra</i> (Rausch) Šída wfo--0000399844..... | 27 | <i>Rebutia oculata</i> subsp. <i>tilcarensis</i> (Rausch) Mosti wfo-- 0001433908..... | 23 |
| <i>Rebutia menesesii</i> Cárdenas wfo--0001288184..... | 379 | <i>Rebutia oculata</i> Werderm. wfo--0001234029..... | 22 |
| <i>Rebutia mentosa</i> (F.Ritter) Donald wfo--0001254644..... | 383 | <i>Rebutia odehnalii</i> Halda, Šeda & Šorma wfo--0000406246 | 27 |
| <i>Rebutia mentosa</i> subsp. <i>purpurea</i> (Donald & A.B.Lau) Donald ex D.R.Hunt wfo--0001254648..... | 385 | <i>Rebutia odontopetala</i> F.Ritter wfo--0000399829..... | 26 |
| <i>Rebutia minor</i> (Rausch) Mosti wfo--0000399845..... | 26 | <i>Rebutia oligacantha</i> (F.H.Brandt) Donald ex D.R.Hunt wfo-- -0001254649..... | 386 |
| <i>Rebutia minuscula</i> f. <i>kariusiana</i> (Wessner) Donald wfo-- 0001433896..... | 322 | <i>Rebutia orurensis</i> (Backeb.) F.Ritter wfo--0001284417..... | 24 |
| <i>Rebutia minuscula</i> f. <i>knuthiana</i> (Backeb.) Buining & Donald wfo--0001433897..... | 322 | <i>Rebutia padcayensis</i> Rausch wfo--0001254931..... | 323 |
| <i>Rebutia minuscula</i> f. <i>violaciflora</i> (Backeb.) Buining & Donald wfo--0000406250..... | 321 | <i>Rebutia pallida</i> Rausch wfo--0001246882..... | 26 |
| <i>Rebutia minuscula</i> K.Schum. wfo--0000399849..... | 321 | <i>Rebutia parvula</i> (Rausch) Šída wfo--0000399809..... | 27 |
| <i>Rebutia minuscula</i> subsp. <i>grandiflora</i> (Backeb.) Donald wfo--0000399499..... | 322 | <i>Rebutia patericalyx</i> F.Ritter wfo--0000399806..... | 21 |
| <i>Rebutia minuscula</i> subsp. <i>violaciflora</i> (Backeb.) Donald wfo--0000399504..... | 321 | <i>Rebutia pauciareolata</i> F.Ritter wfo--0001246884..... | 26 |
| <i>Rebutia minuscula</i> subsp. <i>wessneriana</i> (Bewer.) Muruaga wfo--0001433898..... | 322 | <i>Rebutia paucicostata</i> F.Ritter wfo--0001246885..... | 26 |
| <i>Rebutia minuscula</i> var. <i>grandiflora</i> (Backeb.) Krainz wfo-- 0000406241..... | 322 | <i>Rebutia pelzliana</i> (Rausch) Šída wfo--0000399808..... | 27 |
| <i>Rebutia minuscula</i> var. <i>marsoneri</i> (Werderm.) Eb.Scholz wfo--0001433899..... | 322 | <i>Rebutia permutata</i> f. <i>gokrausei</i> Heinrich wfo-- 0001433909..... | 323 |
| <i>Rebutia minuscula</i> var. <i>wessneriana</i> (Bewer.) Eb.Scholz wfo--0000399506..... | 322 | <i>Rebutia permutata</i> Heinrich wfo--0000399805..... | 322 |
| <i>Rebutia minutissima</i> F.Ritter wfo--0001246877..... | 21 | <i>Rebutia perplexa</i> Donald wfo--0001246886..... | 21 |
| <i>Rebutia mixta</i> F.Ritter wfo--0001246878..... | 26 | <i>Rebutia peterseimii</i> Frič ex Kreuz. wfo--0000401994..... | 24 |
| <i>Rebutia mixticolor</i> F.Ritter wfo--0001246879..... | 26 | <i>Rebutia poecilantha</i> F.Ritter wfo--0000401995..... | 26 |
| <i>Rebutia mudanensis</i> Rausch wfo--0001260669..... | 25 | <i>Rebutia polymorpha</i> Cárdenas wfo--0001262952..... | 324 |
| <i>Rebutia multiplex</i> (Pfeiff.) Roeder wfo--0000399503..... | 108 | <i>Rebutia polypetala</i> (Rausch) Šída wfo--0000401996..... | 27 |
| <i>Rebutia muscula</i> F.Ritter & Thiele wfo--0001288651..... | 20 | <i>Rebutia potosina</i> F.Ritter wfo--0000401997..... | 26 |
| <i>Rebutia muscula</i> var. <i>luteoalbida</i> F.H.Brandt wfo-- 0001433900..... | 21 | <i>Rebutia pseudodeminuta</i> Backeb. wfo--0001288652..... | 20 |

| | | | |
|---|-----|--|-----|
| <i>Rebutia pseudodeminuta</i> f. <i>albiseta</i> (Backeb.) Buining & Donald wfo--0001288660..... | 20 | <i>Rebutia rutiliflora</i> F.Ritter wfo--0001246892..... | 26 |
| <i>Rebutia pseudodeminuta</i> f. <i>grandiflora</i> (Backeb.) Buining & Donald wfo--0001288661..... | 20 | <i>Rebutia salpingantha</i> F.Ritter wfo--0001246893..... | 26 |
| <i>Rebutia pseudodeminuta</i> f. <i>schneideriana</i> (Backeb.) Buining & Donald wfo--0001288662..... | 20 | <i>Rebutia sanguinea</i> F.Ritter wfo--0001246894..... | 21 |
| <i>Rebutia pseudodeminuta</i> f. <i>schumanniana</i> (Backeb.) Šída wfo--0001433910..... | 20 | <i>Rebutia sanguinea</i> var. <i>minor</i> F.Ritter wfo--000143392721 | |
| <i>Rebutia pseudodeminuta</i> var. <i>schumanniana</i> Backeb. wfo--0001288663..... | 20 | <i>Rebutia sarothroides</i> Werderm. wfo--0001284396..... | 22 |
| <i>Rebutia pseudominuscula</i> (Speg.) Britton & Rose wfo--0001257585..... | 20 | <i>Rebutia schatzliana</i> Rausch wfo--0001246895..... | 19 |
| <i>Rebutia pseudoritteri</i> (Rausch) Šída wfo--0000402009..... | 26 | <i>Rebutia schmiedcheniana</i> (U.Köhler) W.T.Marshall wfo--0000399822..... | 22 |
| <i>Rebutia pulchella</i> Rausch wfo--0001246887..... | 26 | <i>Rebutia senilis</i> Backeb. wfo--0000399813..... | 321 |
| <i>Rebutia pulchra</i> Cárdenas wfo--0001262953..... | 323 | <i>Rebutia senilis</i> f. <i>chrysacantha</i> (Backeb.) Buining & Donald wfo--0000406243..... | 322 |
| <i>Rebutia pulvinosa</i> F.Ritter & Buining wfo--0001288665..... | 20 | <i>Rebutia senilis</i> f. <i>elegans</i> (Backeb. ex Krainz) Buining & Donald wfo--0001433928..... | 322 |
| <i>Rebutia pulvinosa</i> subsp. <i>albiflora</i> (F.Ritter & Buining) Hjertson wfo--0001433911..... | 20 | <i>Rebutia senilis</i> f. <i>iseliniana</i> (Krainz) Buining & Donald wfo--0001433929..... | 322 |
| <i>Rebutia pulvinosa</i> subsp. <i>perplexa</i> (Donald) Hjertson wfo--0001433912..... | 21 | <i>Rebutia senilis</i> f. <i>kesselringiana</i> (Bewer.) Buining & Donald wfo--0001433930..... | 322 |
| <i>Rebutia pygmaea</i> (R.E.Fr.) Britton & Rose wfo--0001289813..... | 24 | <i>Rebutia senilis</i> f. <i>lilacinorosea</i> (Backeb.) Buining & Donald wfo--0001433931..... | 322 |
| <i>Rebutia pygmaea</i> f. <i>atrovirens</i> (Backeb.) Buining & Donald wfo--0001433913..... | 24 | <i>Rebutia senilis</i> f. <i>schieliana</i> (Bewer.) Donald wfo--0000399819..... | 322 |
| <i>Rebutia pygmaea</i> f. <i>flavovirens</i> (Backeb.) Buining & Donald wfo--0001433914..... | 24 | <i>Rebutia senilis</i> f. <i>stuemeri</i> (Backeb.) Buining & Donald wfo--0000406244..... | 321 |
| <i>Rebutia pygmaea</i> f. <i>fuaxiana</i> (Backeb.) Buining & Donald wfo--0001433915..... | 25 | <i>Rebutia senilis</i> subsp. <i>chrysacantha</i> (Backeb.) Donald wfo--0000399820..... | 322 |
| <i>Rebutia pygmaea</i> f. <i>haefneriana</i> (Cullmann) Buining & Donald wfo--0001433916..... | 25 | <i>Rebutia senilis</i> var. <i>aurescens</i> Backeb. wfo--0000406256..... | 322 |
| <i>Rebutia pygmaea</i> f. <i>neosteinmannii</i> (Backeb.) Buining & Donald wfo--0001433917..... | 25 | <i>Rebutia senilis</i> var. <i>brevisetata</i> Backeb. wfo--0001433932..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>colorea</i> (F.Ritter) Lodé wfo--0001433918..... | 26 | <i>Rebutia senilis</i> var. <i>chrysacantha</i> (Backeb.) Donald wfo--0000406255..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>diersiana</i> (Rausch) Lodé wfo--0001433919..... | 25 | <i>Rebutia senilis</i> var. <i>elegans</i> Backeb. ex Krainz wfo--0001433933..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>friedrichiana</i> (Rausch) M.Erikss. wfo--0001263313..... | 25 | <i>Rebutia senilis</i> var. <i>hyalacantha</i> Backeb. wfo--0000406254..... | 321 |
| <i>Rebutia pygmaea</i> var. <i>iscayachensis</i> (Rausch) Lodé wfo--0001433920..... | 26 | <i>Rebutia senilis</i> var. <i>iseliniana</i> Krainz wfo--0001433934..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>mudanensis</i> (Rausch) Lodé wfo--0001433921..... | 25 | <i>Rebutia senilis</i> var. <i>kesselringiana</i> Bewer. wfo--0001433935..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>nazarenoensis</i> (Rausch) Lodé wfo--0001433922..... | 26 | <i>Rebutia senilis</i> var. <i>lilacinorosea</i> Backeb. wfo--0000406253..... | 322 |
| <i>Rebutia pygmaea</i> var. <i>pectinata</i> (Backeb.) Šída wfo--0001433923..... | 25 | <i>Rebutia senilis</i> var. <i>schieliana</i> Bewer. wfo--0000406252..... | 322 |
| <i>Rebutia raffaellii</i> Mosti & Papini wfo--0000399803..... | 27 | <i>Rebutia senilis</i> var. <i>sieperdaiana</i> (Buining) Backeb. wfo--0001433936..... | 322 |
| <i>Rebutia raulii</i> Rausch wfo--0001246888..... | 323 | <i>Rebutia senilis</i> var. <i>stuemeri</i> Backeb. wfo--0000406249..... | 321 |
| <i>Rebutia rauschii</i> (G.Frank) D.R.Hunt wfo--0001433924..... | 380 | <i>Rebutia senilis</i> var. <i>stuemeriana</i> Backeb. wfo--0000406257..... | 322 |
| <i>Rebutia rauschii</i> Zecher wfo--0001246889..... | 26 | <i>Rebutia senilis</i> var. <i>xanthocarpa</i> (Backeb.) W.T.Marshall wfo--0001433937..... | 321 |
| <i>Rebutia ritteri</i> (Wessner) Buining & Donald wfo--0001254932..... | 323 | <i>Rebutia sieperdaiana</i> Buining wfo--0000399810..... | 322 |
| <i>Rebutia ritteri</i> var. <i>nigricans</i> (Wessner) Buining & Donald wfo--0001433925..... | 25 | <i>Rebutia simoniana</i> Rausch wfo--0001246896..... | 21 |
| <i>Rebutia robustispina</i> F.Ritter wfo--0001246890..... | 21 | <i>Rebutia singularis</i> F.Ritter wfo--0001246897..... | 323 |
| <i>Rebutia robustispina</i> var. <i>minor</i> F.Ritter wfo--0001433926..... | 21 | <i>Rebutia spegazziana</i> Backeb. wfo--0001287047..... | 20 |
| <i>Rebutia rosalbiflora</i> F.Ritter wfo--0001246891..... | 26 | <i>Rebutia spegazziniana</i> Backeb. wfo--0000399811..... | 20 |
| <i>Rebutia rosalbiflora</i> var. <i>amblypetala</i> F.Ritter wfo--0000399817..... | 26 | <i>Rebutia spegazziniana</i> var. <i>atroviridis</i> (Backeb.) Šída wfo--0001433938..... | 20 |
| <i>Rebutia rovidana</i> Mosti & Papini wfo--0000399818..... | 27 | <i>Rebutia spinosissima</i> Backeb. wfo--0001288668..... | 20 |
| <i>Rebutia rubiginosa</i> F.Ritter wfo--0001288666..... | 20 | <i>Rebutia spiralispala</i> (Schütz) Šída wfo--0000510155..... | 23 |
| | | <i>Rebutia steinbachii</i> subsp. <i>kruegerae</i> (Cárdenas) D.R.Hunt wfo--0001254651..... | 383 |

| | | | |
|---|-----|---|----------|
| <i>Rebutia steinbachii</i> subsp. <i>steinbachii</i> wfo--0001434928 | 325 | <i>Rebutia violaciflora</i> var. <i>knuthiana</i> (Backeb.) Donald wfo--0000406248 | 322 |
| <i>Rebutia steinbachii</i> subsp. <i>tiraquensis</i> (Cárdenas) D.R.Hunt wfo--0001254652 | 386 | <i>Rebutia violascens</i> F.Ritter wfo--0001246903 | 23 |
| <i>Rebutia steinbachii</i> subsp. <i>verticillacantha</i> (F.Ritter) Donald ex D.R.Hunt wfo--0001254653 | 325 | <i>Rebutia vizcarrae</i> Cárdenas wfo--0001263012 | 324 |
| <i>Rebutia steinbachii</i> var. <i>rosiflora</i> Backeb. wfo--0001433939 | 323 | <i>Rebutia vulpina</i> F.Ritter wfo--0000399896 | 21 |
| <i>Rebutia steinbachii</i> var. <i>violaciflora</i> Backeb. wfo--0001433940 | 323 | <i>Rebutia wahliana</i> Rausch wfo--0001246904 | 21 |
| <i>Rebutia steinbachii</i> Werderm. wfo--0001287048 | 323 | <i>Rebutia walteri</i> Diers wfo--0000399891 | 21 |
| <i>Rebutia steinecke</i> Frič wfo--0000399814 | 22 | <i>Rebutia wessneriana</i> Bewer. wfo--0000399904 | 322 |
| <i>Rebutia steinmannii</i> (Solms) Britton & Rose wfo--0001245820 | 24 | <i>Rebutia wessneriana</i> f. <i>permutata</i> (Heinrich) Donald wfo--0001433950 | 322 |
| <i>Rebutia steinmannii</i> subsp. <i>brachyantha</i> (Wessner) Mosti wfo--0001433941 | 25 | <i>Rebutia wessneriana</i> subsp. <i>beryllioides</i> (Buining & Donald) Donald wfo--0001433951 | 322 |
| <i>Rebutia steinmannii</i> var. <i>cincinnata</i> (Rausch) F.Ritter wfo--0001433942 | 25 | <i>Rebutia wessneriana</i> var. <i>beryllioides</i> (Buining & Donald) Buining & Donald wfo--0001433952 | 322 |
| <i>Rebutia steinmannii</i> var. <i>costata</i> (Werderm.) Mosti wfo--0001433943 | 24 | <i>Rebutia wessneriana</i> var. <i>calliantha</i> (Bewer.) Krainz wfo--0000406264 | 322 |
| <i>Rebutia steinmannii</i> var. <i>eucaliptana</i> (Backeb.) Šída wfo--0001433944 | 24 | <i>Rebutia wessneriana</i> var. <i>gokrausei</i> (Heinrich) Donald wfo--0001433953 | 323 |
| <i>Rebutia steinmannii</i> var. <i>leucacantha</i> (Rausch) Mosti wfo--0001433945 | 27 | <i>Rebutia wessneriana</i> var. <i>krainziana</i> (Kesseler) Buining & Donald wfo--0001433954 | 322 |
| <i>Rebutia steinmannii</i> var. <i>melanocentra</i> (Rausch) Mosti wfo--0001433946 | 27 | <i>Rebutia wessneriana</i> var. <i>permutata</i> (Heinrich) Buining & Donald wfo--0001433955 | 322 |
| <i>Rebutia steinmannii</i> var. <i>tuberculata</i> (Rausch) Mosti wfo--0001433947 | 27 | <i>Rebutia xanthocarpa</i> Backeb. wfo--0000399905 | 321 |
| <i>Rebutia stuemmeriana</i> (Backeb.) Backeb. wfo--0000399895 | 322 | <i>Rebutia xanthocarpa</i> f. <i>citricarpa</i> (Frič ex Backeb.) Buining & Donald wfo--0000406285 | 322 |
| <i>Rebutia subg. Eurebutia</i> Backeb. wfo--3500004031 | 321 | <i>Rebutia xanthocarpa</i> f. <i>dasyphrissa</i> (Werderm.) Buining & Donald wfo--0001433956 | 321 |
| <i>Rebutia sumayana</i> Rausch wfo--0000399894 | 28 | <i>Rebutia xanthocarpa</i> f. <i>graciliflora</i> (Backeb.) Donald wfo--0001433957 | 323 |
| <i>Rebutia supthutiana</i> Rausch wfo--0000399885 | 24 | <i>Rebutia xanthocarpa</i> f. <i>salmonia</i> (Backeb.) Buining & Donald wfo--0000406284 | 322 |
| <i>Rebutia tafnaensis</i> (Rausch) Šída wfo--0000399886 | 27 | <i>Rebutia xanthocarpa</i> f. <i>violaciflora</i> (Backeb.) Buining & Donald wfo--0000406283 | 321 |
| <i>Rebutia tamboensis</i> F.Ritter wfo--0001246898 | 21 | <i>Rebutia xanthocarpa</i> var. <i>citricarpa</i> Frič ex Backeb. wfo--0000406278 | 322 |
| <i>Rebutia taratensis</i> Cárdenas wfo--0001262995 | 323 | <i>Rebutia xanthocarpa</i> var. <i>coerulescens</i> Backeb. wfo--0001433958 | 322 |
| <i>Rebutia tarijensis</i> Rausch wfo--0000399888 | 28 | <i>Rebutia xanthocarpa</i> var. <i>dasyphrissa</i> (Werderm.) Backeb. wfo--0000406287 | 321 |
| <i>Rebutia tarvitaensis</i> F.Ritter wfo--0000399884 | 28 | <i>Rebutia xanthocarpa</i> var. <i>elegans</i> Backeb. wfo--0000406282 | 322 |
| <i>Rebutia tilcarensis</i> (Rausch) Šída wfo--0000399890 | 23 | <i>Rebutia xanthocarpa</i> var. <i>graciliflora</i> Backeb. ex Šída wfo--0001433959 | 323 |
| <i>Rebutia tiraquensis</i> Cárdenas wfo--0001254650 | 386 | <i>Rebutia xanthocarpa</i> var. <i>luteirosea</i> Backeb. wfo--0000734451 | 322 |
| <i>Rebutia tiraquensis</i> var. <i>longiseta</i> Cárdenas wfo--0001262983 | 386 | <i>Rebutia xanthocarpa</i> var. <i>salmonia</i> Backeb. wfo--0000406281 | 322 |
| <i>Rebutia torquata</i> F.Ritter & Buining wfo--0001246899 | 26 | <i>Rebutia xanthocarpa</i> var. <i>violaciflora</i> (Backeb.) Backeb. wfo--0001433960 | 321 |
| <i>Rebutia totorensis</i> Cárdenas wfo--0001262987 | 323 | <i>Rebutia yuncharasensis</i> (Rausch) Šída wfo--000039990027 | 26 |
| <i>Rebutia tropaeolipicta</i> F.Ritter wfo--0001246900 | 26 | <i>Rebutia yuquinensis</i> Rausch wfo--0001246905 | 26 |
| <i>Rebutia tuberculata</i> (Rausch) Šída wfo--0000399908 | 27 | <i>Rebutia zecheri</i> Rausch wfo--0001246906 | 26 |
| <i>Rebutia tuberculato-chrysantha</i> Cárdenas wfo--0001246901 | 324 | <i>Reicheocactus</i> Backeb. wfo--4000032705 | 325 |
| <i>Rebutia tuberculatochrysantha</i> Cárdenas wfo--0001433948 | 324 | <i>Reicheocactus bonnieae</i> (Halda, Hogan & Janeba) Schlumpb. wfo--0001433961 | 325 |
| <i>Rebutia tuberosa</i> F.Ritter wfo--0001288669 | 28 | <i>Reicheocactus famatinensis</i> (Speg.) Schlumpb. wfo--0001433962 | 325 |
| <i>Rebutia tunariensis</i> Cárdenas wfo--0001262970 | 324 | <i>Reicheocactus floribundus</i> Backeb. wfo--0000399902 | 119 |
| <i>Rebutia vallegrandensis</i> Cárdenas wfo--0001284408 | 20 | <i>Reicheocactus neoreichei</i> (Backeb.) Backeb. wfo--0000399887 | 122 |
| <i>Rebutia vasqueziana</i> (Rausch) D.R.Hunt wfo--0000399906 | 386 | <i>Reicheocactus pseudoreicheanus</i> Backeb. wfo--0001287296 | 325, 326 |
| <i>Rebutia villazonensis</i> F.H.Brandt wfo--0001246902 | 26 | | |
| <i>Rebutia violaceostaminata</i> (Rausch) Šída wfo--0000399897 | 27 | | |
| <i>Rebutia violaciflora</i> Backeb. wfo--0000399899 | 321 | | |
| <i>Rebutia violaciflora</i> var. <i>carminea</i> (Buining) Donald wfo--0001433949 | 322 | | |

| | | | |
|--|-----|--|----------|
| <i>Rhipsalidopsis xgraeseri</i> (Werderm.) Moran wfo-- 0000399856..... | 326 | <i>Rhipsalis biolleyi</i> F.A.C.Weber wfo--0001287951 | 378 |
| <i>Rhipsalidopsis xgraeseri</i> (Werderm.) P.V.Heath wfo-- 0000399860..... | 326 | <i>Rhipsalis boliviana</i> (Britton) Lauterb. wfo--0001288487 | 306 |
| <i>Rhipsalidopsis</i> Britton & Rose wfo--4000032971 | 326 | <i>Rhipsalis brachiata</i> Hook. wfo--0000399883 | 328 |
| <i>Rhipsalidopsis gaertneri</i> (Regel) Linding. wfo--0001433963 | 326 | <i>Rhipsalis brevibarbis</i> K.Schum. wfo--0000399878 | 175 |
| ..... | 326 | <i>Rhipsalis brevispina</i> (Barthlott) Kimnach wfo--0001254434 | 194 |
| <i>Rhipsalidopsis gaertneri</i> (Regel) Moran wfo--0000399855 | 326 | ..... | 328 |
| ..... | 326 | <i>Rhipsalis burchellii</i> Britton & Rose wfo--0000399879... | 330 |
| <i>Rhipsalidopsis gaertneri</i> var. <i>tiburtii</i> (Backeb. & Voll) | 326 | <i>Rhipsalis calamiformis</i> Pfeiff. wfo--0000399880 | 328 |
| Moran wfo--0001252055 | 326 | <i>Rhipsalis campos-portoana</i> Loefgr. wfo--0000399882. | 332 |
| <i>Rhipsalidopsis rosea</i> (Lagerh.) Britton & Rose wfo-- 0001288092..... | 326 | <i>Rhipsalis capilliformis</i> F.A.C.Weber wfo--0000399866. | 327 |
| <i>Rhipsalidopsis rosea</i> var. <i>remanens</i> Backeb. wfo-- 0001259070..... | 326 | <i>Rhipsalis caripensis</i> (Kunth) F.A.C.Weber wfo-- 0001288727 | 327 |
| <i>Rhipsalidopsis rosea</i> var. <i>riograndensis</i> Prestlé wfo-- 0001433964..... | 326 | <i>Rhipsalis carnosa</i> Vöcht. wfo--0000399877..... | 407 |
| <i>Rhipsalidopsis serrata</i> Linding. wfo--0001258821..... | 326 | <i>Rhipsalis cassutha</i> Gaertn. wfo--0001433974 | 326, 327 |
| <i>Rhipsalis xgraeseri</i> Werderm. wfo--0000399720..... | 326 | <i>Rhipsalis cassuthopsis</i> Backeb. wfo--0001433975..... | 328 |
| <i>Rhipsalis aculeata</i> F.A.C.Weber wfo--0001239323 | 176 | <i>Rhipsalis cassytha</i> Gaertn. wfo--0000399862..... | 327 |
| <i>Rhipsalis acuminata</i> (Cufod.) Standl. wfo--0001241345317 | 328 | <i>Rhipsalis cassytha</i> var. <i>dichotoma</i> DC. wfo--0001221665 | 327 |
| <i>Rhipsalis aethiopica</i> Welw. wfo--0000399857 | 327 | ..... | 327 |
| <i>Rhipsalis agudoensis</i> N.P.Taylor wfo--0000399851..... | 317 | <i>Rhipsalis cassytha</i> var. <i>hookeriana</i> DC. wfo--0001221666 | 327 |
| <i>Rhipsalis alata</i> (Sw.) K.Schum. wfo--0001288761 | 332 | ..... | 328 |
| <i>Rhipsalis alboareolata</i> F.Ritter wfo--0000399850..... | 331 | <i>Rhipsalis cassytha</i> var. <i>mauritanica</i> DC. wfo--0000406234 | 328 |
| <i>Rhipsalis alternata</i> (Lem.) Lem. wfo--0001223737 | 175 | ..... | 327 |
| <i>Rhipsalis anceps</i> F.A.C.Weber wfo--0001260120 | 173 | <i>Rhipsalis cassytha</i> var. <i>mocinoana</i> DC. wfo--0001433976 | 327 |
| <i>Rhipsalis angustissima</i> F.A.C.Weber wfo--0001287959 | 307 | ..... | 327 |
| <i>Rhipsalis asperula</i> Vaupel wfo--0001287942 | 327 | <i>Rhipsalis cassytha</i> var. <i>pendula</i> (Sw.) Salm-Dyck ex Pfeiff. | 327 |
| <i>Rhipsalis aurea</i> M.F.Freitas & J.M.A.Braga wfo-- 0000747104..... | 327 | wfo--0001433977 | 327 |
| <i>Rhipsalis baccifera</i> (Sol. ex J.S.Muell.) Stearn wfo-- 0000399853..... | 327 | <i>Rhipsalis cassytha</i> var. <i>rhodocarpa</i> F.A.C.Weber wfo-- 0001433978 | 327 |
| <i>Rhipsalis baccifera</i> f. <i>zanzibarica</i> (F.A.C.Weber) P.V.Heath | 328 | <i>Rhipsalis cassytha</i> var. <i>swartziana</i> DC. wfo--0001433979 | 327 |
| wfo--0001433965 | 328 | ..... | 327 |
| <i>Rhipsalis baccifera</i> subsp. <i>baccifera</i> wfo--0001255639 | 327 | <i>Rhipsalis cassythoides</i> (Moc. & Sessé ex DC.) G.Don wfo-- 0001221668 | 327 |
| <i>Rhipsalis baccifera</i> subsp. <i>cleistogama</i> M.Kessler, Ibsch & Barthlott wfo--0001433966..... | 328 | ..... | 327 |
| <i>Rhipsalis baccifera</i> subsp. <i>erythrocarpa</i> (K.Schum.) Barthlott wfo--0001239330..... | 328 | <i>Rhipsalis cassythopsis</i> Backeb. wfo--0000399861 | 328 |
| <i>Rhipsalis baccifera</i> subsp. <i>fasciculata</i> (Willd.) Süplie wfo-- -0001433967 | 327 | <i>Rhipsalis cassythoydes</i> Loefgr. wfo--0000399863 | 175 |
| <i>Rhipsalis baccifera</i> subsp. <i>fortdauphinensis</i> Süplie wfo-- 0001433968..... | 328 | <i>Rhipsalis cavernosa</i> G.Lindb. ex K.Schum. wfo-- 0000357985 | 306 |
| <i>Rhipsalis baccifera</i> subsp. <i>hileiabaiana</i> N.P.Taylor & Barthlott wfo--0001433969..... | 330 | <i>Rhipsalis cereiformis</i> (Salm-Dyck) C.F.Först. wfo-- 0001284156 | 328 |
| <i>Rhipsalis baccifera</i> subsp. <i>horrida</i> (Baker) Barthlott wfo-- 0001433970..... | 328 | <i>Rhipsalis cereoides</i> (Backeb. & Voll) A.Cast. wfo-- 0001433980 | 328 |
| <i>Rhipsalis baccifera</i> subsp. <i>mauritanica</i> (DC.) Barthlott wfo-- 0000399865..... | 328 | <i>Rhipsalis cereoides</i> (Backeb. & Voll) Backeb. wfo-- 0001244408 | 328 |
| <i>Rhipsalis baccifera</i> subsp. <i>rhodocarpa</i> (F.A.C.Weber) Süplie wfo--0001433971 | 327 | <i>Rhipsalis cereuscula</i> Haw. wfo--0000399868..... | 328 |
| <i>Rhipsalis baccifera</i> subsp. <i>shaferi</i> (Britton & Rose) Barthlott & N.P.Taylor wfo--0000399873..... | 332 | <i>Rhipsalis cereuscula</i> var. <i>rubrodisca</i> (Loefgr.) Castell. wfo-- 0001433981 | 329 |
| <i>Rhipsalis bambusoides</i> F.A.C.Weber wfo--0000399875 | 170 | <i>Rhipsalis chloroptera</i> F.A.C.Weber wfo--0000399869 .. | 329 |
| <i>Rhipsalis bambusoides</i> Loefgr. wfo--0001433972 | 170 | <i>Rhipsalis chrysantha</i> Loefgr. wfo--0000399870..... | 332 |
| <i>Rhipsalis barthlottii</i> Ralf Bauer & N.Korotkova wfo-- 0001433973..... | 328 | <i>Rhipsalis chrysocarpa</i> Loefgr. wfo--0000399871 | 329 |
| <i>Rhipsalis bartlettii</i> Clover wfo--0001287405 | 328 | <i>Rhipsalis clavata</i> f. <i>clavata</i> wfo--0001434929 | 329 |
| <i>Rhipsalis bauchienii</i> Guillaumin & Poup. wfo--0000399876 | 176 | <i>Rhipsalis clavata</i> f. <i>delicatula</i> (Loefgr.) Barthlott & N.P.Taylor wfo--0001433982..... | 329 |
| <i>Rhipsalis bermejensis</i> F.Ritter wfo--0001287207 | 332 | <i>Rhipsalis clavata</i> F.A.C.Weber wfo--0000399872..... | 329 |
| | | <i>Rhipsalis clavata</i> var. <i>delicatula</i> Loefgr. wfo--0001043673 | 329 |
|  |  | ..... | 332 |
| | | <i>Rhipsalis clavellina</i> F.Ritter wfo--0000399892 | 422 |
| | | <i>Rhipsalis communis</i> (Pfeiff.) Mottet wfo--0001433983 | 328 |
| | | <i>Rhipsalis comorensis</i> F.A.C.Weber wfo--0001287199 .. | 332 |
| | | <i>Rhipsalis conferta</i> Salm-Dyck wfo--0000399692 | 328 |
| | | <i>Rhipsalis coralloides</i> Rauh wfo--0001287203 | 173 |
| | | <i>Rhipsalis coriacea</i> Pol. wfo--0000399693 | 194 |
| | | <i>Rhipsalis crenata</i> (Britton) Vaupel wfo--0001245821... .. | |

| | | | |
|--|-----|---|-----|
| <i>Rhipsalis cribrata</i> (Lem.) Rümpler wfo---0000399694 | 328 | <i>Rhipsalis funalis</i> var. <i>minor</i> Pfeiff. wfo---0001433994 | 330 |
| <i>Rhipsalis cribrata</i> Loefgr. wfo---0001433984 | 328 | <i>Rhipsalis gaermeri</i> Vaupel wfo---0000399717 | 422 |
| <i>Rhipsalis cribrata</i> var. <i>filiformis</i> Engelhar wfo---0001433985 | 328 | <i>Rhipsalis Gaertn.</i> wfo---4000032972 | 326 |
| <i>Rhipsalis crispa</i> C.F.Först. wfo---0000399695 | 329 | <i>Rhipsalis gaertneri</i> (Regel) Vaupel wfo---0000406231 | 326 |
| <i>Rhipsalis crispata</i> (Haw.) Pfeiff. wfo---0000399701 | 329 | <i>Rhipsalis gibberula</i> F.A.C.Weber wfo---0001287049 | 330 |
| <i>Rhipsalis crispimarginata</i> Loefgr. wfo---0000399697 | 331 | <i>Rhipsalis goebeliana</i> Backeb. wfo---0001251074 | 330 |
| <i>Rhipsalis cruciformis</i> (Vell.) A.Cast. wfo---0000399691 | 175 | <i>Rhipsalis gonocarpa</i> F.A.C.Weber wfo---0000399719 | 176 |
| <i>Rhipsalis cuneata</i> Britton & Rose wfo---0001289533 | 329 | <i>Rhipsalis gracilis</i> F.A.C.Weber wfo---0001259072 | 170 |
| <i>Rhipsalis cuneata</i> subsp. <i>australis</i> Ralf Bauer wfo---0001433986 | 329 | <i>Rhipsalis gracilis</i> N.E.Br. wfo---0001433995 | 332 |
| <i>Rhipsalis cuneata</i> subsp. <i>cuneata</i> wfo---0001434930 | 329 | <i>Rhipsalis grandiflora</i> Haw. wfo---0000399721 | 330 |
| <i>Rhipsalis cylindrica</i> (Britton & Rose) Vaupel wfo---0001433987 | 170 | <i>Rhipsalis guineensis</i> A.Chev. wfo---0000399722 | 328 |
| <i>Rhipsalis cylindrica</i> (Vell.) Steud. wfo---0000399699 | 330 | <i>Rhipsalis hadrosoma</i> G.Lindb. wfo---0000399723 | 330 |
| <i>Rhipsalis delphinensis</i> Barthlott wfo---0001287204 | 327 | <i>Rhipsalis harrisii</i> Gürke wfo---0001273724 | 317 |
| <i>Rhipsalis densiareolata</i> Loefgr. wfo---0000406228 | 330 | <i>Rhipsalis heptagona</i> Rauh & Backeb. wfo---0001287523 | 328 |
| <i>Rhipsalis dichotoma</i> (DC.) Don wfo---0001289412 | 327 | <i>Rhipsalis herminiae</i> (Porto & A.Cast.) Kimnach wfo---0001254435 | 170 |
| <i>Rhipsalis dissimilis</i> (G.Lindb.) K.Schum. wfo---0000399700 | 329 | <i>Rhipsalis heteroclada</i> Britton & Rose wfo---0000399705 | 332 |
| <i>Rhipsalis dissimilis</i> f. <i>dissimilis</i> wfo---0001243564 | 329 | <i>Rhipsalis hileiabaiana</i> (N.P.Taylor & Barthlott) Barthlott & N.Korotkova wfo---0001433996 | 330 |
| <i>Rhipsalis dissimilis</i> f. <i>epiphyllanthoides</i> (Backeb.) Barthlott & N.P.Taylor wfo---0001243565 | 329 | <i>Rhipsalis himantoclada</i> Rol.-Goss. wfo---0001287193 | 317 |
| <i>Rhipsalis dissimilis</i> var. <i>setulosa</i> F.A.C.Weber wfo---0001433988 | 329 | <i>Rhipsalis hoelleri</i> Barthlott & N.P.Taylor wfo---0000399706 | 330 |
| <i>Rhipsalis dusenii</i> Hjelmq. wfo---0000399696 | 331 | <i>Rhipsalis hohenauensis</i> F.Ritter wfo---0000399707 | 330 |
| <i>Rhipsalis echinata</i> Pfeiff. wfo---0000399681 | 330 | <i>Rhipsalis hookeriana</i> (DC.) Don wfo---0001221667 | 327 |
| <i>Rhipsalis elliptica</i> G.Lindb. ex K.Schum. wfo---0000399682 | 329 | <i>Rhipsalis horrida</i> Baker wfo---0001287015 | 328 |
| <i>Rhipsalis elliptica</i> var. <i>helicoidea</i> Loefgr. wfo---0001433989 | 329 | <i>Rhipsalis houletiana</i> Lem. wfo---0000399702 | 176 |
| <i>Rhipsalis ensiformis</i> F.A.C.Weber wfo---0000406232 | 175 | <i>Rhipsalis houletiana</i> var. <i>regnellii</i> (G.Lindb.) Kimnach wfo---0001433997 | 176 |
| <i>Rhipsalis epiphyllanthoides</i> Backeb. wfo---0000399683 | 329 | <i>Rhipsalis houletii</i> Hook.f. wfo---0000399709 | 176 |
| <i>Rhipsalis epiphylloides</i> Porto & Werderm. wfo---0000399685 | 334 | <i>Rhipsalis hylaea</i> F.Ritter wfo---0001287765 | 328 |
| <i>Rhipsalis epiphylloides</i> var. <i>bradei</i> (Porto & A.Cast.) Kimnach wfo---0001433990 | 334 | <i>Rhipsalis ianthothele</i> (Monv.) K.Brandege wfo---0001257890 | 306 |
| <i>Rhipsalis erythrocarpa</i> K.Schum. wfo---0001239331 | 328 | <i>Rhipsalis incachacana</i> Cárdenas wfo---0001239319 | 194 |
| <i>Rhipsalis ewaldiana</i> Barthlott & N.P.Taylor wfo---0000399680 | 329 | <i>Rhipsalis jamaicensis</i> Britton & Harris wfo---0000399711 | 173 |
| <i>Rhipsalis fasciculata</i> (Willd.) Haw. wfo---0001287014 | 327 | <i>Rhipsalis juengeri</i> Barthlott & N.P.Taylor wfo---0000399712 | 330 |
| <i>Rhipsalis fastigiata</i> Hjelmq. wfo---0000399686 | 330 | <i>Rhipsalis kirbergii</i> Barthlott wfo---0001289376 | 330 |
| <i>Rhipsalis flagelliformis</i> N.P.Taylor & Zappi wfo---0001433991 | 329 | <i>Rhipsalis kirbergii</i> var. <i>monticola</i> Barthlott wfo---0001289379 | 330 |
| <i>Rhipsalis floccosa</i> Salm-Dyck ex Pfeiff. wfo---0000399687 | 329 | <i>Rhipsalis knightii</i> (Pfeiff.) C.F.Först. wfo---0000399689 | 175 |
| <i>Rhipsalis floccosa</i> subsp. <i>floccosa</i> wfo---0001243567 | 329 | <i>Rhipsalis lagenaria</i> Vöcht. wfo---0000399653 | 170 |
| <i>Rhipsalis floccosa</i> subsp. <i>hohenauensis</i> (F.Ritter) Barthlott & N.P.Taylor wfo---0000399688 | 330 | <i>Rhipsalis leiophloea</i> Vaupel wfo---0001287960 | 173 |
| <i>Rhipsalis floccosa</i> subsp. <i>oreophila</i> N.P.Taylor & Zappi wfo---0001433992 | 330 | <i>Rhipsalis leucorhaphis</i> K.Schum. wfo---0001289170 | 176 |
| <i>Rhipsalis floccosa</i> subsp. <i>pittieri</i> (Britton & Rose) Barthlott & N.P.Taylor wfo---0000399708 | 332 | <i>Rhipsalis lindbergiana</i> K.Schum. wfo---0000399654 | 330 |
| <i>Rhipsalis floccosa</i> subsp. <i>pulvinigera</i> (G.Lindb.) Barthlott & N.P.Taylor wfo---0001243568 | 330 | <i>Rhipsalis linearis</i> K.Schum. wfo---0001287080 | 176 |
| <i>Rhipsalis floccosa</i> subsp. <i>tucumanensis</i> (F.A.C.Weber) Barthlott & N.P.Taylor wfo---0001433993 | 333 | <i>Rhipsalis loefgrenii</i> Britton & Rose wfo---0000399660 | 176 |
| <i>Rhipsalis floribunda</i> Schott ex K.Schum. wfo---0000399713 | 332 | <i>Rhipsalis lorentziana</i> Griseb. wfo---0001287081 | 176 |
| <i>Rhipsalis flosculosa</i> F.Ritter wfo---0000399714 | 330 | <i>Rhipsalis lumbricoides</i> (Lem.) Lem. wfo---0000399651 | 176 |
| <i>Rhipsalis foveolata</i> F.A.C.Weber wfo---0000399715 | 331 | <i>Rhipsalis lumbricoides</i> var. <i>aculeata</i> (F.A.C.Weber) Kimnach wfo---0001433998 | 176 |
| <i>Rhipsalis funalis</i> Salm-Dyck ex DC. wfo---0000399716 | 330 | <i>Rhipsalis lumbricoides</i> var. <i>leucorhaphis</i> (K.Schum.) F.Ritter wfo---0001433999 | 176 |
| | | <i>Rhipsalis macrocarpa</i> Miq. wfo---0001287913 | 110 |
| | | <i>Rhipsalis macropogon</i> K.Schum. wfo---0000399658 | 175 |
| | | <i>Rhipsalis madagascariensis</i> F.A.C.Weber wfo---0001287198 | 328 |
| | | <i>Rhipsalis madagascariensis</i> var. <i>dasyserca</i> F.A.C.Weber wfo---0001287201 | 327 |
| | | <i>Rhipsalis maricaensis</i> Scheinvar wfo---0000399656 | 333 |

| | | | |
|--|----------|--|-----|
| <i>Rhipsalis mauritiana</i> (DC.) Barthlott wfo--0001287208 | 328 | <i>Rhipsalis paradoxa</i> var. <i>beastonii</i> Hochstätter wfo-- | |
| <i>Rhipsalis mauritiana</i> var. <i>ellipticarpa</i> Barthlott wfo-- | | 0001434009 | 331 |
| 0001287209 | 328 | <i>Rhipsalis paradoxa</i> var. <i>catenulata</i> Kimmach wfo-- | |
| <i>Rhipsalis megalantha</i> Loefgr. wfo--0000399655 | 331 | 0001289115 | 331 |
| <i>Rhipsalis mesembryanthemoides</i> Haw. wfo--0001287050 | | <i>Rhipsalis paranganiensis</i> (Cárdenas) Kimmach wfo-- | |
| | 330 | 0001283640 | 307 |
| <i>Rhipsalis mesembryanthoides</i> Haw. wfo--0000399646 | 330 | <i>Rhipsalis parasitica</i> (L.) Haw. wfo--0001287194 | 327 |
| <i>Rhipsalis micrantha</i> (Kunth) DC. wfo--0001287406 | 330 | <i>Rhipsalis parasitica</i> DC. wfo--0001434010 | 327 |
| <i>Rhipsalis micrantha</i> f. <i>kirbergii</i> (Barthlott) Barthlott & | | <i>Rhipsalis parasiticus</i> (Lam.) Haw. wfo--0001434011 | 327 |
| N.P.Taylor wfo--0001434000 | 330 | <i>Rhipsalis pendula</i> (Sw.) Link & Otto wfo--0000399669 | 327 |
| <i>Rhipsalis micrantha</i> f. <i>kirbergii</i> (Barthlott) Süplie wfo-- | | <i>Rhipsalis pendula</i> Pfeiff. wfo--0000399662 | 327 |
| 0001434001 | 330 | <i>Rhipsalis pendula</i> Vöcht. wfo--0000399663 | 332 |
| <i>Rhipsalis micrantha</i> f. <i>micrantha</i> wfo--0001257240 | 330 | <i>Rhipsalis penduliflora</i> N.E.Br. wfo--0000399665 | 328 |
| <i>Rhipsalis micrantha</i> f. <i>rauhiorum</i> (Barthlott) Barthlott & | | <i>Rhipsalis pendulina</i> A.Berger wfo--0001287206 | 328 |
| N.P.Taylor wfo--0001434002 | 331 | <i>Rhipsalis pentagona</i> C.F.Först. wfo--0000399661 | 332 |
| <i>Rhipsalis micrantha</i> f. <i>rauhiorum</i> (Barthlott) Süplie wfo-- | | <i>Rhipsalis pentaptera</i> Pfeiff. ex A.Dietr. wfo--0001287051 | |
| 0001434003 | 331 | | 332 |
| <i>Rhipsalis minutiflora</i> K.Schum. wfo--0001289488 | 328 | <i>Rhipsalis phyllanthus</i> (L.) K.Schum. wfo--0001287195 | 110 |
| <i>Rhipsalis miquelii</i> Lem. wfo--0000399649 | 407 | <i>Rhipsalis pilocarpa</i> f. <i>minima</i> Süplie wfo--0001434012 | |
| <i>Rhipsalis mittleri</i> C.F.Först. wfo--0000399650 | 175 | | 332 |
| <i>Rhipsalis miyagawae</i> (Barthlott & Rauh) Kimmach wfo-- | | <i>Rhipsalis pilocarpa</i> Loefgr. wfo--0000399667 | 332 |
| 0001254436 | 306 | <i>Rhipsalis pilosa</i> F.A.C.Weber ex K.Schum. wfo-- | |
| <i>Rhipsalis monacantha</i> Griseb. wfo--0001288051 | 306, 307 | 0001287016 | 328 |
| <i>Rhipsalis monacantha</i> var. <i>espinosa</i> Kimmach wfo-- | | <i>Rhipsalis pittieri</i> Britton & Rose wfo--0000399668 | 332 |
| 0001434004 | 307 | <i>Rhipsalis platycarpa</i> (Zucc.) Pfeiff. wfo--0001257521 | 407 |
| <i>Rhipsalis monacantha</i> var. <i>samaipatana</i> Cárdenas wfo-- | | <i>Rhipsalis prismatica</i> (Lem.) Rümpler wfo--0001287017 | 333 |
| 0001288171 | 307 | <i>Rhipsalis pterocarpa</i> F.A.C.Weber ex K.Schum. wfo-- | |
| <i>Rhipsalis monteazulensis</i> F.Ritter wfo--0000399647 | 330 | 0000399771 | 176 |
| <i>Rhipsalis myosurus</i> C.F.Först. wfo--0000399659 | 175 | <i>Rhipsalis pterocaulis</i> C.F.Först. wfo--0000399772 | 331 |
| <i>Rhipsalis myosurus</i> K.Schum. wfo--0000399671 | 175 | <i>Rhipsalis pulchra</i> Loefgr. wfo--0000399773 | 332 |
| <i>Rhipsalis neocassutha</i> Y.Itô wfo--0000399672 | 327 | <i>Rhipsalis pulvinigera</i> G.Lindb. wfo--0001223716 | 330 |
| <i>Rhipsalis neves-armondii</i> f. <i>megalantha</i> (Loefgr.) | | <i>Rhipsalis puniceodiscus</i> G.Lindb. wfo--0000399774 | 332 |
| Barthlott & N.P.Taylor wfo--0001243563 | 331 | <i>Rhipsalis puniceodiscus</i> var. <i>chrysoarpa</i> (Loefgr.) Borg | |
| <i>Rhipsalis neves-armondii</i> f. <i>megalantha</i> (Loefgr.) Barthlott | | wfo--0001434013 | 332 |
| & N.P.Taylor wfo--0001434005 | 331 | <i>Rhipsalis purpusii</i> Weing. wfo--0001289363 | 173 |
| <i>Rhipsalis neves-armondii</i> f. <i>neves-armondii</i> wfo-- | | <i>Rhipsalis radicans</i> F.A.C.Weber wfo--0000399781 | 175 |
| 0001434931 | 331 | <i>Rhipsalis radicans</i> var. <i>anceps</i> F.A.C.Weber wfo-- | |
| <i>Rhipsalis neves-armondii</i> K.Schum. wfo--0000399673 | 331 | 0001434014 | 175 |
| <i>Rhipsalis novaesii</i> Gürke wfo--0000399674 | 331 | <i>Rhipsalis radicans</i> var. <i>ensiflora</i> F.A.C.Weber wfo-- | |
| <i>Rhipsalis novaesii</i> Loefgr. wfo--0001434006 | 176 | 0001434015 | 175 |
| <i>Rhipsalis oblonga</i> Loefgr. wfo--0000399676 | 331 | <i>Rhipsalis radicans</i> var. <i>rosea</i> F.A.C.Weber wfo-- | |
| <i>Rhipsalis occidentalis</i> Barthlott & Rauh wfo--0001289159 | | 0001434016 | 175 |
| | 331 | <i>Rhipsalis ramosissima</i> (Lem.) K.Schum. wfo--0001257248 | |
| <i>Rhipsalis olivifera</i> N.P.Taylor & Zappi wfo--0000399677 | | | 175 |
| | 331 | <i>Rhipsalis rauhiorum</i> Barthlott wfo--0001287912 | 331 |
| <i>Rhipsalis ormindoi</i> N.P.Taylor & Zappi wfo--0001254673 | | <i>Rhipsalis regnellii</i> G.Lindb. wfo--0001239314 | 176 |
| | 331 | <i>Rhipsalis rhombea</i> (Salm-Dyck) Pfeiff. wfo--0001257241 | |
| <i>Rhipsalis pacheco-leoni</i> Loefgr. wfo--0001434007 | 331 | | 332 |
| <i>Rhipsalis pacheco-leonis</i> Loefgr. wfo--0001223735 | 331 | <i>Rhipsalis rhombea</i> var. <i>crispata</i> K.Schum. wfo-- | |
| <i>Rhipsalis pacheco-leonis</i> subsp. <i>catenulata</i> (Kimmach) | | 0001434017 | 329 |
| Barthlott & N.P.Taylor wfo--0001243720 | 331 | <i>Rhipsalis riedeliana</i> Regel wfo--0000399778 | 407 |
| <i>Rhipsalis pacheco-leonis</i> subsp. <i>pacheco-leonis</i> wfo-- | | <i>Rhipsalis rigida</i> Loefgr. wfo--0000399779 | 329 |
| 0001243719 | 331 | <i>Rhipsalis riocampanensis</i> Madsen & Z.Aguirre wfo-- | |
| <i>Rhipsalis pachyptera</i> f. <i>rubra</i> Süplie wfo--0001434008 | | 0000399765 | 194 |
| | 331 | <i>Rhipsalis robusta</i> H.Lindb. wfo--0000399775 | 330 |
| <i>Rhipsalis pachyptera</i> Pfeiff. wfo--0000399679 | 331 | <i>Rhipsalis robusta</i> Lem. wfo--0000399777 | 331 |
| <i>Rhipsalis paradoxa</i> (Salm-Dyck ex Pfeiff.) Salm-Dyck wfo-- | | <i>Rhipsalis rosea</i> Lagerh. wfo--0001239337 | 326 |
| 0000399666 | 331 | <i>Rhipsalis roseana</i> A.Berger wfo--0001289377 | 331 |
| <i>Rhipsalis paradoxa</i> subsp. <i>paradoxa</i> wfo--0001243718 | | <i>Rhipsalis rugulosa</i> Lem. wfo--0001223656 | 329 |
| | 331 | <i>Rhipsalis russellii</i> Britton & Rose wfo--0001244406 | 332 |
| <i>Rhipsalis paradoxa</i> subsp. <i>septentrionalis</i> N.P.Taylor & | | <i>Rhipsalis saglionis</i> (Lem.) Otto ex Walp. wfo--0000399764 | |
| Barthlott wfo--0000399675 | 331 | | 328 |

| | | | |
|--|-----|--|-----|
| <i>Rhipsalis saglionis</i> var. <i>rubrodisca</i> Loefgr. wfo--- 0001434018..... | 328 | <i>Rhipsalis warmingiana</i> K.Schum. wfo---0000399794..... | 176 |
| <i>Rhipsalis salicornioides</i> Haw. wfo---0001287052 | 170 | <i>Rhipsalis wercklei</i> A.Berger wfo---0001287963 | 330 |
| <i>Rhipsalis salicornioides</i> var. <i>bambusoides</i> F.A.C.Weber wfo---0001257892 | 170 | <i>Rhipsalis zanzibarica</i> F.A.C.Weber wfo---0000399782 .. | 328 |
| <i>Rhipsalis salicornioides</i> var. <i>cylindrica</i> (Britton & Rose) Kimnach wfo---0001434019 | 170 | <i>Rhipsalisaphyllopsis</i> <i>x</i> <i>graeseri</i> Werderm. wfo---0000399790 | 326 |
| <i>Rhipsalis salicornioides</i> var. <i>gracilior</i> Salm-Dyck ex C.F.Först. wfo---0001434932 | 170 | <i>Rhipsalisaphyllopsis</i> <i>graeseri</i> Werderm. wfo---0001239339 | 326 |
| <i>Rhipsalis salicornioides</i> var. <i>gracilis</i> F.A.C.Weber wfo--- 0001434020..... | 170 | <i>Rhodocactus</i> (A.Berger) F.M.Knuth wfo---4000033016. | 304 |
| <i>Rhipsalis salicornioides</i> var. <i>stricta</i> F.A.C.Weber wfo--- 0001434021..... | 170 | <i>Rhodocactus antonianus</i> Backeb. wfo---0001289514.... | 305 |
| <i>Rhipsalis salicornioides</i> var. <i>strictior</i> C.F.Först. wfo--- 0001434022..... | 170 | <i>Rhodocactus autumnalis</i> (Eichlam) F.M.Knuth wfo--- 0000399792 | 181 |
| <i>Rhipsalis salicornioides</i> var. <i>villigera</i> (K.Schum.) Loefgr. wfo---0001434023 | 170 | <i>Rhodocactus bahiensis</i> (Gürke) I.Asai & K.Miyata wfo--- 0001434030 | 304 |
| <i>Rhipsalis sansibarica</i> F.A.C.Weber wfo---0000399762 .. | 328 | <i>Rhodocactus bleo</i> (Kunth) F.M.Knuth wfo---0000399793 | 180 |
| <i>Rhipsalis sarmentacea</i> Otto & A.Dietr. wfo---0001273400 | 176 | <i>Rhodocactus colombianus</i> (Britton & Rose) F.M.Knuth wfo- --0000399760..... | 180 |
| <i>Rhipsalis saxatile</i> (H.Friedrich, Redecker & Backeb.) H.Friedrich & Redecker wfo---0000399766 | 329 | <i>Rhodocactus konzattii</i> (Britton & Rose) Backeb. wfo--- 0000399737 | 181 |
| <i>Rhipsalis saxatile</i> Friedrich & Redecker ex G.D.Rowley wfo- --0000399767 | 329 | <i>Rhodocactus corrugatus</i> (Cutak) Backeb. wfo--- 0001289515 | 180 |
| <i>Rhipsalis saxicola</i> Rauh wfo---0001287202 | 328 | <i>Rhodocactus cubensis</i> (Britton & Rose) F.M.Knuth wfo--- 0001289516 | 181 |
| <i>Rhipsalis schottmuelleri</i> Hort. ex Schelle wfo---0001434024 | 170 | <i>Rhodocactus grandifolius</i> (Haw.) F.M.Knuth wfo--- 0000399740 | 304 |
| <i>Rhipsalis setulosa</i> (F.A.C.Weber) F.A.C.Weber wfo--- 0000399768..... | 329 | <i>Rhodocactus grandifolius</i> subsp. <i>violaceus</i> (Leuenb.) I.Asai & K.Miyata wfo---0001434031..... | 305 |
| <i>Rhipsalis shaferi</i> Britton & Rose wfo---0000399788..... | 332 | <i>Rhodocactus guamacho</i> (F.A.C.Weber) F.M.Knuth wfo--- 0001289111 | 180 |
| <i>Rhipsalis simmleri</i> Beauverd wfo---0001287961 | 328 | <i>Rhodocactus higueraanus</i> (Cárdenas) Backeb. wfo--- 0001289517 | 305 |
| <i>Rhipsalis spathulata</i> Otto ex Sweet wfo---0001434025. | 407 | <i>Rhodocactus horridus</i> (Kunth) F.M.Knuth wfo--- 0001288821 | 305 |
| <i>Rhipsalis spatulata</i> Otto ex Sweet wfo---0000399780 .. | 407 | <i>Rhodocactus lychnidiflorus</i> (DC.) F.M.Knuth wfo--- 0000399743 | 180 |
| <i>Rhipsalis spinescens</i> Lombardi wfo---0000399795 | 329 | <i>Rhodocactus nemorosus</i> (Rojas Acosta) I.Asai & K.Miyata wfo---0001434032 | 305 |
| <i>Rhipsalis squamulosa</i> K.Schum. wfo---0000399796 | 175 | <i>Rhodocactus nicoyanus</i> (F.A.C.Weber) F.M.Knuth wfo--- 0000399741 | 181 |
| <i>Rhipsalis stricta</i> Cels ex F.A.C.Weber wfo---0001259073 | 170 | <i>Rhodocactus portulacifolius</i> (L.) F.M.Knuth wfo--- 0001288924 | 181 |
| <i>Rhipsalis suareziana</i> F.A.C.Weber wfo---0001287200.... | 328 | <i>Rhodocactus sacharosa</i> (Griseb.) Backeb. wfo--- 0001289518 | 305 |
| <i>Rhipsalis subg. Acanthorhipsalis</i> K.Schum. wfo--- 3500004037..... | 306 | <i>Rhodocactus saipinensis</i> (Cárdenas) Backeb. wfo--- 0001289519 | 305 |
| <i>Rhipsalis sulcata</i> F.A.C.Weber wfo---0000399797..... | 332 | <i>Rhodocactus stenanthus</i> (F.Ritter) I.Asai & K.Miyata wfo--- 0001434033 | 305 |
| <i>Rhipsalis swartziana</i> Pfeiff. wfo---0001273723 | 317 | <i>Rhodocactus tampicanus</i> (F.A.C.Weber) Backeb. wfo--- 0001289497 | 304 |
| <i>Rhipsalis teres</i> (Vell.) Steud. wfo---0000399799..... | 332 | <i>Rhodocactus zinniiflorus</i> (DC.) F.M.Knuth wfo--- 0001289498 | 181 |
| <i>Rhipsalis teres</i> f. <i>capilliformis</i> (F.A.C.Weber) Barthlott & N.P.Taylor wfo---0001434026 | 332 | <i>Rimacactus laui</i> (Lüthy) Mottram wfo---0001265845.... | 333 |
| <i>Rhipsalis teres</i> f. <i>heteroclada</i> (Britton & Rose) Barthlott & N.P.Taylor wfo---0001434027 | 332 | <i>Rimacactus</i> Mottram wfo---4000033290..... | 333 |
| <i>Rhipsalis teres</i> f. <i>prismatica</i> (Lem.) Barthlott & N.P.Taylor wfo---0001434028..... | 333 | <i>Ritterocactus allosiphon</i> (Marchesi) Doweld wfo--- 0000399726 | 280 |
| <i>Rhipsalis teres</i> f. <i>teres</i> wfo---0001434933 | 333 | <i>Ritterocactus arnostianus</i> (Lisal & Kolarik) Doweld wfo--- 0000399727 | 283 |
| <i>Rhipsalis tetragona</i> F.A.C.Weber wfo---0001287205 | 333 | <i>Ritterocactus ayopayanus</i> (Cárdenas) Doweld wfo--- 0000399728 | 280 |
| <i>Rhipsalis tonduzii</i> F.A.C.Weber wfo---0001287962 | 330 | <i>Ritterocactus buiningii</i> (Buxb.) Doweld wfo---0000399729 | 280 |
| <i>Rhipsalis triangularis</i> Werderm. wfo---0000399801 | 333 | <i>Ritterocactus crassigibbus</i> (F.Ritter) Doweld wfo--- 0000399730 | 282 |
| <i>Rhipsalis trigona</i> Pfeiff. wfo---0000399789 | 333 | | |
| <i>Rhipsalis trigonoidea</i> Hoehne wfo---0000399800 | 333 | | |
| <i>Rhipsalis trigonoides</i> (Doweld) N.Korotkova wfo--- 0001434684..... | 333 | | |
| <i>Rhipsalis tucumanensis</i> F.A.C.Weber wfo---0001287053 | 333 | | |
| <i>Rhipsalis turpinii</i> Lem. wfo---0000399784 | 407 | | |
| <i>Rhipsalis undulata</i> Pfeiff. wfo---0000399785 | 328 | | |
| <i>Rhipsalis villigera</i> (K.Schum.) Orcutt wfo---0000399786 | 170 | | |
| <i>Rhipsalis virgata</i> F.A.C.Weber wfo---0000399787..... | 332 | | |
| <i>Rhipsalis vollii</i> Backeb. wfo---0001434029 | 175 | | |

| | | | |
|---|-----|--|----------|
| <i>Ritterocactus curvispinus</i> (F.Ritter) Doweld wfo-- 0000399738..... | 282 | <i>Ritterocereus griseus</i> (Haw.) Backeb. wfo--0000399745 | 356 |
| <i>Ritterocactus</i> Doweld wfo--4000033320..... | 279 | <i>Ritterocereus humilis</i> (Britton & Rose) Backeb. wfo-- 0000399746..... | 357 |
| <i>Ritterocactus erubescens</i> (Osten) Doweld wfo-- 0000399732..... | 285 | <i>Ritterocereus hystrix</i> (Haw.) Backeb. wfo--0001258829357 <i>Ritterocereus laevigatus</i> (Salm-Dyck) Backeb. wfo-- 0001247817..... | 358 |
| <i>Ritterocactus fuscus</i> (F.Ritter) Doweld wfo--0000399725 | 286 | <i>Ritterocereus montanus</i> (Britton & Rose) Backeb. wfo-- 0001258832..... | 358 |
| <i>Ritterocactus herteri</i> (Werderm.) Doweld wfo-- 0000399734..... | 286 | <i>Ritterocereus pruinosis</i> (Otto) Backeb. wfo--0001258834 | 358 |
| <i>Ritterocactus horstii</i> (F.Ritter) Doweld wfo--0000399735 | 294 | <i>Ritterocereus queretaroensis</i> (F.A.C.Weber ex Mathsson) Backeb. wfo--0001258835..... | 358 |
| <i>Ritterocactus horstii</i> f. <i>juvenaliformis</i> (F.Ritter) Doweld wfo--0001434034..... | 294 | <i>Ritterocereus standleyi</i> (G.J.Ortega) Backeb. wfo-- 0001258837..... | 355, 358 |
| <i>Ritterocactus langsдорфii</i> (Lehm.) Doweld wfo-- 0000399736..... | 287 | <i>Ritterocereus weberi</i> (J.M.Coult.) Backeb. wfo-- 0000399748..... | 279 |
| <i>Ritterocactus langsдорфii</i> subsp. <i>multiceps</i> (Hofacker & K.Herm) Doweld wfo--0001434035..... | 288 | <i>Rodentiophila atacamensis</i> F.Ritter & Y.Itô wfo-- 0000399749..... | 124 |
| <i>Ritterocactus langsдорфii</i> subsp. <i>pulvinatus</i> (Vliet) Doweld wfo--0001434036..... | 285 | <i>Rodentiophila</i> F.Ritter & Y.Itô wfo--4000033371..... | 112 |
| <i>Ritterocactus mammulosus</i> (Lem.) Doweld wfo-- 0000399731..... | 289 | <i>Rodentiophila megacarpa</i> F.Ritter & Y.Itô wfo-- 0000399750..... | 124 |
| <i>Ritterocactus mammulosus</i> subsp. <i>brasiliensis</i> (Havlíček) Doweld wfo--0001434037..... | 290 | <i>Rooksbya</i> (Backeb.) Backeb. wfo--4000033460..... | 35 |
| <i>Ritterocactus mammulosus</i> subsp. <i>erythracanthus</i> (H.Schloss. & Brederoo) Doweld wfo--0001434038..... | 290 | <i>Rooksbya euphorbioides</i> (Haw.) Backeb. wfo--0001289456 | 35, 36 |
| <i>Ritterocactus mammulosus</i> subsp. <i>eugeniae</i> (Vliet) Doweld wfo--0001434039..... | 290 | <i>Rooksbya euphorbioides</i> var. <i>olfersii</i> (Salm-Dyck) Backeb. wfo--0001434045..... | 36 |
| <i>Ritterocactus mammulosus</i> subsp. <i>submammulosus</i> (Lem.) Doweld wfo--0001434040..... | 290 | <i>Roseia castanedai</i> Frič wfo--0001038979..... | 336, 339 |
| <i>Ritterocactus megalanthus</i> (H.Schloss. & Brederoo) Doweld wfo--0000399752..... | 290 | <i>Roseia</i> Frič wfo--4000033487..... | 336 |
| <i>Ritterocactus meonacanthus</i> (Prestlé) Doweld wfo-- 0000399753..... | 282 | <i>Roseocactus</i> A.Berger wfo--4000033493..... | 9 |
| <i>Ritterocactus miguillensis</i> (Cárdenas) Doweld wfo-- 0000399754..... | 280 | <i>Roseocactus fissurams</i> A.Berger wfo--0000399073..... | 10 |
| <i>Ritterocactus mueller-melchersii</i> (Frič ex Backeb.) Doweld wfo--0000399761..... | 293 | <i>Roseocactus fissuratus</i> (Engelm.) A.Berger wfo-- 0001250182..... | 9, 10 |
| <i>Ritterocactus mueller-melchersii</i> subsp. <i>gutierrezii</i> (W.R.Abraham) Doweld wfo--0001434041..... | 294 | <i>Roseocactus intermedius</i> Backeb. & Kilian wfo-- 0001223884..... | 10 |
| <i>Ritterocactus mueller-melchersii</i> subsp. <i>winkleri</i> (Vliet) Doweld wfo--0001434042..... | 293 | <i>Roseocactus kotschoubeyanus</i> (Lem.) A.Berger wfo-- 0001250183..... | 10 |
| <i>Ritterocactus permutatus</i> (F.Ritter) Doweld wfo-- 0000399756..... | 293 | <i>Roseocactus kotschoubeyanus</i> subsp. <i>macdowellii</i> Backeb. wfo--0001434046..... | 10 |
| <i>Ritterocactus rauschii</i> (Vliet) Doweld wfo--0000399757 | 294 | <i>Roseocactus kotschoubeyanus</i> var. <i>albiflorus</i> Backeb. wfo-- -0000406382..... | 10 |
| <i>Ritterocactus rutilans</i> (Däniker & Krainz) Doweld wfo-- 0000399758..... | 293 | <i>Roseocactus kotschoubeyanus</i> var. <i>macdowellii</i> (Backeb.) Backeb. wfo--0001434047..... | 10 |
| <i>Ritterocactus rutilans</i> subsp. <i>veenianus</i> (Vliet) Doweld wfo-- -0001434043..... | 293 | <i>Roseocactus lloydii</i> (Rose) A.Berger wfo--0001223883 .. | 10 |
| <i>Ritterocactus uebelmannianus</i> (Buining) Doweld wfo-- 0000399759..... | 282 | <i>Roseocereus</i> Backeb. wfo--4000033494..... | 167 |
| <i>Ritterocactus uebelmannianus</i> subsp. <i>pleiocephalus</i> (N.Gerloff & Königs) Doweld wfo--0001434044..... | 282 | <i>Roseocereus tephracanthus</i> (Labour.) Backeb. wfo-- 0000399909..... | 169 |
| <i>Ritterocereus</i> Backeb. wfo--4000033321..... | 355 | <i>Roseocereus tephracanthus</i> (Labour.) Backeb. wfo-- 0001258729..... | 167, 169 |
| <i>Ritterocereus chacalapensis</i> Bravo & T.MacDoug. wfo-- 0001256509..... | 356 | <i>Salmiopuntia</i> Frič ex Guiggi wfo--4000033854..... | 333 |
| <i>Ritterocereus deficiens</i> (Otto & A.Dietr.) Backeb. wfo-- 0001258825..... | 357 | <i>Salmiopuntia</i> Frič ex Kreuz. wfo--4000042557..... | 333 |
| <i>Ritterocereus eichlamii</i> (Britton & Rose) Backeb. wfo-- 0001289537..... | 238 | <i>Salmiopuntia salmiana</i> (J.Parm. ex Pfeiff.) Guiggi wfo-- 0000750170..... | 333 |
| <i>Ritterocereus fimbriatus</i> (Lam.) Backeb. wfo--0000399744 | 357 | <i>Salmonopuntia</i> P.V.Heath wfo--4000033856..... | 333 |
| | | <i>Salmonopuntia salmiana</i> (J.Parm. ex Pfeiff.) P.V.Heath wfo--0000439189..... | 333 |
| | | <i>Salmonopuntia salmiana</i> f. <i>alba</i> P.V.Heath wfo-- 0001434048..... | 333 |
| | | <i>Salmonopuntia salmiana</i> f. <i>glauca</i> P.V.Heath wfo-- 0001434049..... | 333 |
| | | <i>Salmonopuntia salmiana</i> f. <i>rosea</i> P.V.Heath wfo-- 0001434050..... | 333 |

| | | | |
|--|----------|---|-----|
| <i>Salmonopuntia schickendantzii</i> (F.A.C.Weber) Font & M.Köhler wfo--0001434934 | 334 | <i>Schlumbergera opuntioides</i> (Loefgr. & Dusén) D.R.Hunt wfo--0000439196 | 335 |
| <i>Salpingolobivia andalgalensis</i> (F.A.C.Weber ex K.Schum.) Y.Itô wfo--0000439185 | 348 | <i>Schlumbergera orssichiana</i> Barthlott & McMillan wfo--0000439202 | 335 |
| <i>Salpingolobivia aurea</i> (Britton & Rose) Y.Itô wfo--0000439186 | 103 | <i>Schlumbergera rosea</i> (Lagerh.) Calvente & Zappi wfo--0001434058 | 326 |
| <i>Salpingolobivia cylindrica</i> (Backeb.) Y.Itô wfo--0000439187 | 103 | <i>Schlumbergera russelliana</i> (Hook.) Britton & Rose wfo--0001289405 | 335 |
| <i>Salpingolobivia densispina</i> (Werderm.) Y.Itô wfo--0000439176 | 104 | <i>Schlumbergera truncata</i> (Haw.) Moran wfo--0000439199 | 335 |
| <i>Salpingolobivia huascha</i> (F.A.C.Weber) Y.Itô wfo--0000439183 | 348 | <i>Schlumbergera truncata</i> subsp. <i>kautskyi</i> J.F.Horobin & McMillan wfo--0000439200 | 334 |
| <i>Salpingolobivia shaferi</i> (Britton & Rose) Y.Itô wfo--0000439182 | 104 | <i>Schlumbergera truncata</i> var. <i>altensteinii</i> (Pfeiff.) Moran wfo--0001252050 | 335 |
| <i>Salpingolobivia spinosissima</i> var. <i>rubriflora</i> Y.Itô wfo--0001434051 | 103 | <i>Schlumbergera truncata</i> var. <i>delicata</i> (N.E.Br.) Moran wfo--0001252052 | 335 |
| <i>Salpingolobivia spinosissima</i> Y.Itô wfo--0000439173 | 103 | <i>Schlumbergera truncata</i> var. <i>kautskyi</i> J.F.Horobin & McMillan wfo--0001434059 | 334 |
| <i>Salpingolobivia</i> Y.Itô wfo--4000033872 | 103 | <i>Sclerocactus blainei</i> S.L.Welsh & K.H.Thorne wfo--0001287398 | 336 |
| <i>Samaipaticereus</i> Cárdenas wfo--4000033897 | 334 | <i>Sclerocactus brevihamatus</i> (Engelm.) D.R.Hunt wfo--0001289781 | 336 |
| <i>Samaipaticereus corroanus</i> Cárdenas wfo--0001288163 | 334 | <i>Sclerocactus brevihamatus</i> subsp. <i>brevihamatus</i> wfo--0001434936 | 336 |
| <i>Samaipaticereus inquisivensis</i> Cárdenas wfo--0001289532 | 387 | <i>Sclerocactus brevihamatus</i> subsp. <i>tobuschii</i> (W.T.Marshall) N.P.Taylor wfo--0001246595 | 336 |
| <i>Schlumbergera xbuckleyi</i> (T.Moore) Tjaden wfo--0000439172 | 334 | <i>Sclerocactus brevispinus</i> K.D.Heil & J.M.Porter wfo--0001246599 | 336 |
| <i>Schlumbergera xeprica</i> Süplie wfo--0000439178 | 334 | <i>Sclerocactus</i> Britton & Rose wfo--4000034711 | 336 |
| <i>Schlumbergera xexotica</i> Barthlott & Rauh wfo--0000439179 | 334 | <i>Sclerocactus cloverae</i> K.D.Heil & J.M.Porter wfo--0001246606 | 336 |
| <i>Schlumbergera xgraeseri</i> (Barthlott ex D.R.Hunt) D.R.Hunt wfo--0001434052 | 326 | <i>Sclerocactus cloverae</i> subsp. <i>brackii</i> K.D.Heil & J.M.Porter wfo--0001246607 | 336 |
| <i>Schlumbergera xreginae</i> McMillan & Orsich wfo--0000439197 | 335 | <i>Sclerocactus contortus</i> K.D.Heil wfo--0001288330 | 338 |
| <i>Schlumbergera bridgesii</i> (Lem.) Loefgr. wfo--0001220360 | 335 | <i>Sclerocactus erectocentrus</i> (J.M.Coult.) N.P.Taylor wfo--0001256485 | 337 |
| <i>Schlumbergera candida</i> (Loefgr.) Hoewel wfo--0000439177 | 335 | <i>Sclerocactus franklinii</i> J.W.Evans wfo--0000439192 | 337 |
| <i>Schlumbergera epiphylloides</i> Lem. wfo--0001252053 | 334, 335 | <i>Sclerocactus glaucus</i> (K.Schum.) L.D.Benson wfo--0001287160 | 337 |
| <i>Schlumbergera gaertneri</i> (Regel) Britton & Rose wfo--0001220361 | 326 | <i>Sclerocactus glaucus</i> subsp. <i>wetlandicus</i> (Hochstätter) Lüthy wfo--0001434060 | 339 |
| <i>Schlumbergera kautskyi</i> (Horobin & McMillan) N.P.Taylor wfo--0000439191 | 334 | <i>Sclerocactus havasupaiensis</i> Clover wfo--0001256491 | 338 |
| <i>Schlumbergera</i> Lem. wfo--4000034500 | 334 | <i>Sclerocactus havasupaiensis</i> var. <i>roseus</i> Clover wfo--0001263042 | 338 |
| <i>Schlumbergera lutea</i> Calvente & Zappi wfo--0001434053 | 334 | <i>Sclerocactus intermedius</i> Peebles wfo--0001236962 | 338 |
| <i>Schlumbergera lutea</i> subsp. <i>bradei</i> (Porto & A.Cast.) Calvente & Zappi wfo--0001434054 | 334 | <i>Sclerocactus intertextus</i> (Engelm.) N.P.Taylor wfo--0001256486 | 337 |
| <i>Schlumbergera lutea</i> subsp. <i>lutea</i> wfo--0001434935 | 334 | <i>Sclerocactus intertextus</i> var. <i>dasyacanthus</i> (Engelm.) N.P.Taylor wfo--0001269391 | 337 |
| <i>Schlumbergera microsphaerica</i> (K.Schum.) P.V.Heath wfo--0000439188 | 334 | <i>Sclerocactus intertextus</i> var. <i>intertextus</i> wfo--0001434937 | 337 |
| <i>Schlumbergera microsphaerica</i> f. <i>candida</i> (Loefgr.) Süplie wfo--0001434055 | 335 | <i>Sclerocactus johnsonii</i> (Parry ex Engelm.) N.P.Taylor wfo--0001289675 | 337 |
| <i>Schlumbergera microsphaerica</i> f. <i>obtusangula</i> (K.Schum.) P.V.Heath wfo--0001434056 | 335 | <i>Sclerocactus johnsonii</i> subsp. <i>acunensis</i> (W.T.Marshall) M.A.Baker & J.M.Porter wfo--0001434061 | 338 |
| <i>Schlumbergera microsphaerica</i> f. <i>parvula</i> (K.Schum.) P.V.Heath wfo--0001434057 | 335 | <i>Sclerocactus johnsonii</i> subsp. <i>erectocentrus</i> (J.M.Coult.) M.A.Baker wfo--0001434062 | 337 |
| <i>Schlumbergera microsphaerica</i> Hoewel wfo--0000439175 | 334 | <i>Sclerocactus johnsonii</i> subsp. <i>johnsonii</i> wfo--0001434938 | 338 |
| <i>Schlumbergera microsphaerica</i> subsp. <i>candida</i> (Loefgr.) D.R.Hunt wfo--0000439195 | 335 | <i>Sclerocactus mariposensis</i> (Hester) N.P.Taylor wfo--0001256487 | 338 |
| <i>Schlumbergera obtusangula</i> (K.Schum.) D.R.Hunt wfo--0001289406 | 335 | | |

| | | | |
|---|----------|--|-----|
| <i>Sclerocactus mesae-verdae</i> (Boissev. & C.Davidson) L.D.Benson wfo--0001287161 | 338 | <i>Sclerocactus uncinatus</i> var. <i>crassihamatus</i> (F.A.C.Weber) N.P.Taylor wfo--0001286192 | 141 |
| <i>Sclerocactus nyensis</i> Hochstätter wfo--0001246608..... | 338 | <i>Sclerocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) N.P.Taylor wfo--0001256495 | 143 |
| <i>Sclerocactus papyracanthus</i> (Engelm.) N.P.Taylor wfo-- 0001289550..... | 338 | <i>Sclerocactus unguispinus</i> (Engelm.) N.P.Taylor wfo-- 0001256496 | 339 |
| <i>Sclerocactus parviflorus</i> Clover & Jotter wfo--0001287162 | 338 | <i>Sclerocactus unguispinus</i> var. <i>durangensis</i> (Runge) N.P.Taylor wfo--0001286179 | 339 |
| <i>Sclerocactus parviflorus</i> f. <i>macrospermus</i> Hochstätter wfo-- 0001434063 | 338 | <i>Sclerocactus warnockii</i> (L.D.Benson) N.P.Taylor wfo-- 0001256497 | 339 |
| <i>Sclerocactus parviflorus</i> f. <i>terrae-canyonae</i> (K.D.Heil) Hochstätter wfo--0001434064 | 338 | <i>Sclerocactus wetlandicus</i> Hochstätter wfo--0001262057 | 339 |
| <i>Sclerocactus parviflorus</i> f. <i>variiflorus</i> Hochstätter wfo-- 0001434065..... | 338 | <i>Sclerocactus wetlandicus</i> subsp. <i>ilseae</i> (Hochstätter) Hochstätter wfo--0001434073 | 336 |
| <i>Sclerocactus parviflorus</i> subsp. <i>havasupaiensis</i> (Clover) Hochstätter wfo--0001256489 | 338 | <i>Sclerocactus wetlandicus</i> var. <i>ilseae</i> Hochstätter wfo-- 0001246601 | 336 |
| <i>Sclerocactus parviflorus</i> subsp. <i>intermedius</i> (Peebles) K.D.Heil & J.M.Porter wfo--0001434066 | 338 | <i>Sclerocactus whipplei</i> (Engelm. & J.M.Bigelow) Britton & Rose wfo--0001287167 | 340 |
| <i>Sclerocactus parviflorus</i> subsp. <i>macrospermus</i> (Hochstätter) Hochstätter wfo--0001434067..... | 338 | <i>Sclerocactus whipplei</i> subsp. <i>busekii</i> (K.D.Heil & J.M.Porter) Hochstätter wfo--0001434074 | 340 |
| <i>Sclerocactus parviflorus</i> subsp. <i>terrae-canyonae</i> (K.D.Heil) K.D.Heil & J.M.Porter wfo--0001256490 | 338 | <i>Sclerocactus whipplei</i> subsp. <i>cloverae</i> (K.D.Heil & J.M.Porter) Hochstätter wfo--0001434075..... | 336 |
| <i>Sclerocactus parviflorus</i> subsp. <i>variiflorus</i> (Hochstätter) Hochstätter wfo--0001434068 | 338 | <i>Sclerocactus whipplei</i> subsp. <i>heilii</i> (Castetter, P.Pierce & K.H.Schwer.) D.R.Hunt wfo--0001434076..... | 340 |
| <i>Sclerocactus parviflorus</i> var. <i>blessingiae</i> W.H.Earle wfo-- 0001434069..... | 340 | <i>Sclerocactus whipplei</i> subsp. <i>whipplei</i> wfo--0001434939 | 340 |
| <i>Sclerocactus parviflorus</i> var. <i>intermedius</i> (Peebles) D.Woodruff & L.D.Benson wfo--0001287163 | 338 | <i>Sclerocactus whipplei</i> subvar. <i>aztecia</i> Hochstätter wfo-- 0001434077 | 336 |
| <i>Sclerocactus polyancistrus</i> (Engelm. & J.M.Bigelow) Britton & Rose wfo--0001287164..... | 336, 338 | <i>Sclerocactus whipplei</i> var. <i>glaucus</i> (K.Schum.) S.L.Welsh wfo--0000438981 | 337 |
| <i>Sclerocactus pubispinus</i> (Engelm.) L.D.Benson wfo-- 0001287165..... | 339 | <i>Sclerocactus whipplei</i> var. <i>heilii</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001288272 | 340 |
| <i>Sclerocactus pubispinus</i> var. <i>sileri</i> L.D.Benson wfo-- 0001289961..... | 339 | <i>Sclerocactus whipplei</i> var. <i>ilseae</i> (Hochstätter) S.L.Welsh wfo--0001434078 | 336 |
| <i>Sclerocactus pubispinus</i> var. <i>spinosior</i> (Engelm.) S.L.Welsh wfo--0001266503 | 339 | <i>Sclerocactus whipplei</i> var. <i>intermedius</i> (Peebles) L.D.Benson wfo--0001263044..... | 338 |
| <i>Sclerocactus scheeri</i> (Salm-Dyck) N.P.Taylor wfo-- 0001256492..... | 339 | <i>Sclerocactus whipplei</i> var. <i>pygmaeus</i> Peebles wfo-- 0001236963 | 340 |
| <i>Sclerocactus scheeri</i> subsp. <i>brevihamatus</i> (Engelm.) Lüthy wfo--0001434070 | 336 | <i>Sclerocactus whipplei</i> var. <i>reevesii</i> Castetter, P.Pierce & K.H.Schwer. wfo--0001288273 | 336 |
| <i>Sclerocactus schlesseri</i> K.D.Heil & S.L.Welsh wfo-- 0001287399..... | 336 | <i>Sclerocactus whipplei</i> var. <i>roseus</i> (Clover) L.D.Benson wfo-- 0001263043..... | 338 |
| <i>Sclerocactus sileri</i> (L.D.Benson) K.D.Heil & J.M.Porter wfo-- 0001256493 | 339 | <i>Sclerocactus wrightiae</i> L.D.Benson wfo--0001287168.. | 340 |
| <i>Sclerocactus spinosior</i> (Engelm.) D.Woodruff & L.D.Benson wfo--0001287166..... | 339 | <i>Scoparebutia</i> Frič & Kreuz. wfo--4000042644 | 321 |
| <i>Sclerocactus spinosior</i> subsp. <i>blainei</i> (S.L.Welsh & K.H.Thorne) Hochstätter wfo--0001266508 | 336 | <i>Selenicereus</i> (A.Berger) Britton & Rose wfo--4000034979 | 340 |
| <i>Sclerocactus spinosior</i> subsp. <i>nyensis</i> (Hochstätter) Lüthy wfo--0001434071 | 338 | <i>Selenicereus xinnesii</i> Kimnach wfo--0001434079 | 407 |
| <i>Sclerocactus spinosior</i> var. <i>blainei</i> (S.L.Welsh & K.H.Thorne) R.May wfo--0001266509..... | 336 | <i>Selenicereus alliodorus</i> (Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova ex D.R.Hunt wfo--0001434081 | 340 |
| <i>Sclerocactus spinosior</i> var. <i>schlesseri</i> (K.D.Heil & S.L.Welsh) R.May wfo--0001434072..... | 336 | <i>Selenicereus alliodorus</i> (Gómez-Hin. & H.M.Hern.) S.Arias & N.Korotkova wfo--0001434080 | 340 |
| <i>Sclerocactus terrae-canyonae</i> K.D.Heil wfo--0001288331 | 338 | <i>Selenicereus anthonyanus</i> (Alexander) D.R.Hunt wfo-- 0001256105 | 340 |
| <i>Sclerocactus uncinatus</i> (Galeotti ex Pfeiff.) N.P.Taylor wfo-- 0001256494 | 143 | <i>Selenicereus atropilosus</i> Kimnach wfo--0000438971 ... | 340 |
| <i>Sclerocactus uncinatus</i> subsp. <i>crassihamatus</i> (F.A.C.Weber) N.P.Taylor wfo--0001286191 | 141 | <i>Selenicereus boeckmannii</i> (Otto ex Salm-Dyck) Britton & Rose wfo--0000496791 | 343 |
| <i>Sclerocactus uncinatus</i> subsp. <i>wrightii</i> (Engelm.) N.P.Taylor wfo--0001286201 | 143 | <i>Selenicereus brevispinus</i> (Salm-Dyck) Britton & Rose wfo-- 0000438972 | 343 |
| | | <i>Selenicereus calcaratus</i> (F.A.C.Weber) D.R.Hunt wfo-- 0001434082 | 340 |
| | | <i>Selenicereus chontalensis</i> (Alexander) Kimnach wfo-- 0001289782 | 79 |

| | | | |
|--|----------|---|-----|
| <i>Selenicereus chrysochordium</i> (Alexander) Kimnach wfo-- 0001289783..... | 109 | <i>Selenicereus inermis</i> subsp. <i>tricae</i> (D.R.Hunt) Ralf Bauer wfo--0001434095 | 344 |
| <i>Selenicereus confiflorus</i> (Weing.) Britton & Rose wfo-- 0000438950..... | 341 | <i>Selenicereus inermis</i> subsp. <i>wercklei</i> (F.A.C.Weber) Gómez- Hin. & H.M.Hern. wfo--0001434096 | 342 |
| <i>Selenicereus costaricensis</i> (F.A.C.Weber) S.Arias & N.Korotkova wfo--0001434083 | 340 | <i>Selenicereus innesii</i> Kimnach wfo--0000438956 | 407 |
| <i>Selenicereus costaricensis</i> (F.A.C.Weber) S.Arias & N.Korotkova wfo--0001434685 | 340 | <i>Selenicereus jalapaensis</i> (Vaupel) Britton & Rose ex Borg wfo--0001232904 | 341 |
| <i>Selenicereus donkelaarii</i> (Salm-Dyck) Britton & Rose wfo-- 0000438951..... | 341 | <i>Selenicereus kunthianus</i> (Hort.Berol. ex Salm-Dyck) Britton & Rose wfo--0001220235 | 343 |
| <i>Selenicereus donkelaarii</i> (Salm-Dyck) Britton & Rose wfo-- 0001434084..... | 341 | <i>Selenicereus longicaudatus</i> (F.A.C.Weber) Borg wfo-- 0000438940 | 345 |
| <i>Selenicereus dorschianus</i> Ralf Bauer wfo--0001434085 | 340 | <i>Selenicereus macdonaldae</i> (Hook.) Britton & Rose wfo-- 0001434097 | 343 |
| <i>Selenicereus escuintlensis</i> (Kimnach) D.R.Hunt wfo-- 0001434086..... | 340 | <i>Selenicereus macdonaldiae</i> (Hook.) Britton & Rose wfo-- 0000438953 | 343 |
| <i>Selenicereus extensus</i> (Salm-Dyck ex DC.) Leuenb. wfo-- 0001260310..... | 341 | <i>Selenicereus macdonaldiae</i> var. <i>grusonianus</i> (Weing.) Backeb. wfo--0001232906 | 343 |
| <i>Selenicereus glaber</i> (Eichlam) S.Arias & N.Korotkova ex D.R.Hunt wfo--0001434088 | 341 | <i>Selenicereus maxonii</i> Rose wfo--0000438952 | 341 |
| <i>Selenicereus glaber</i> (Eichlam) S.Arias & N.Korotkova wfo-- 0001434087..... | 341 | <i>Selenicereus megalanthus</i> (K.Schum. ex Vaupel) Moran wfo--0001288022 | 342 |
| <i>Selenicereus glaber</i> subsp. <i>glaber</i> wfo--0001434940... | 341 | <i>Selenicereus minutiflorus</i> (Britton & Rose) D.R.Hunt wfo-- 0001434098 | 342 |
| <i>Selenicereus glaber</i> subsp. <i>mirandae</i> (Bravo) S.Arias & N.Korotkova ex M. van der Meer wfo--0001434686. | 341 | <i>Selenicereus mirandae</i> Bravo wfo--0000438936 | 341 |
| <i>Selenicereus glaber</i> subsp. <i>mirandae</i> (Bravo) S.Arias & N.Korotkova wfo--0001434089 | 341 | <i>Selenicereus miravallensis</i> (F.A.C.Weber) Britton & Rose wfo--0001232908 | 79 |
| <i>Selenicereus grandiflorus</i> (L.) Britton & Rose wfo-- 0000438959..... | 340, 341 | <i>Selenicereus monacanthus</i> (Lem.) D.R.Hunt wfo-- 0001434099 | 342 |
| <i>Selenicereus grandiflorus</i> subsp. <i>donkelaarii</i> (Salm-Dyck) Ralf Bauer wfo--0001271809 | 341 | <i>Selenicereus murrillii</i> Britton & Rose wfo--0000438937 | 343 |
| <i>Selenicereus grandiflorus</i> subsp. <i>grandiflorus</i> wfo-- 0001434941..... | 341 | <i>Selenicereus nelsonii</i> (Weing.) Britton & Rose wfo-- 0000438938 | 343 |
| <i>Selenicereus grandiflorus</i> subsp. <i>hondurensis</i> (K.Schum. ex Weing.) Ralf Bauer wfo--0001271808 | 342 | <i>Selenicereus nycticalus</i> (Link ex A.Dietr.) W.T.Marshall wfo-- --0001269386..... | 343 |
| <i>Selenicereus grandiflorus</i> subsp. <i>lautneri</i> Ralf Bauer wfo-- 0001434090..... | 342 | <i>Selenicereus ocamponis</i> (Salm-Dyck) D.R.Hunt wfo-- 0001434100 | 343 |
| <i>Selenicereus grandiflorus</i> var. <i>affinis</i> (Salm-Dyck) Borg wfo-- --0001289984 | 341 | <i>Selenicereus paradisiacus</i> (Vaupel) Borg wfo--0000438947 | 341 |
| <i>Selenicereus grandiflorus</i> var. <i>barbadensis</i> Engelm. ex Borg wfo--0001434091 | 341 | <i>Selenicereus pringlei</i> Rose wfo--0001232903 | 341 |
| <i>Selenicereus grandiflorus</i> var. <i>irradians</i> (Lem.) Borg wfo-- 0001289980..... | 343 | <i>Selenicereus pseudospinosus</i> Weing. wfo--0001232905 | 344 |
| <i>Selenicereus grandiflorus</i> var. <i>ophites</i> (Lem.) Borg wfo-- 0001289981..... | 341 | <i>Selenicereus pteranthus</i> (Link ex A.Dietr.) Britton & Rose wfo--0001287175 | 343 |
| <i>Selenicereus grandiflorus</i> var. <i>telli</i> Borg wfo--0001434092 | 343 | <i>Selenicereus pteranthus</i> f. <i>macdonaldae</i> (Hook.) Ralf Bauer wfo--0001434101 | 343 |
| <i>Selenicereus grandiflorus</i> var. <i>uranus</i> (Riccob.) Borg wfo-- 0001289983..... | 341 | <i>Selenicereus pteranthus</i> f. <i>macdonaldiae</i> (Hook.) Ralf Bauer wfo--0001271807 | 343 |
| <i>Selenicereus grusonianus</i> (Weing.) A.Berger wfo-- 0001232907..... | 343 | <i>Selenicereus pteranthus</i> f. <i>pteranthus</i> wfo--0001434942 | 343 |
| <i>Selenicereus guatemalensis</i> (Eichlam ex Weingart) D.R.Hunt wfo--0001434093 | 342 | <i>Selenicereus purpusii</i> (Weing.) S.Arias & N.Korotkova ex D.R.Hunt wfo--0001434103 | 343 |
| <i>Selenicereus hallensis</i> Weing. ex Borg wfo--0000745790 | 342 | <i>Selenicereus purpusii</i> (Weing.) S.Arias & N.Korotkova wfo-- -0001434102 | 343 |
| <i>Selenicereus hamatus</i> (Scheidw.) Britton & Rose wfo-- 0000438948..... | 342 | <i>Selenicereus radicans</i> (DC.) A.Berger wfo--0000438943407 | |
| <i>Selenicereus hondurensis</i> (K.Schum. ex Weing.) Britton & Rose wfo--0000438954 | 342 | <i>Selenicereus rizzinii</i> Scheinvar wfo--0000438944 | 343 |
| <i>Selenicereus inermis</i> (Otto ex Pfeiff.) Britton & Rose wfo-- 0000438955..... | 342 | <i>Selenicereus rothii</i> (Weing.) A.Berger wfo--0000438945 | 343 |
| <i>Selenicereus inermis</i> subsp. <i>rubineus</i> (Kimnach) Gómez- Hin. & H.M.Hern. wfo--0001434094 | 342 | <i>Selenicereus rubineus</i> Kimnach wfo--0000438946 | 342 |
| | | <i>Selenicereus setaceus</i> (Salm-Dyck ex DC.) Werderm. wfo-- 0000735266 | 343 |
| | | <i>Selenicereus spinulosus</i> (DC.) Britton & Rose wfo-- 0000438962 | 344 |
| | | <i>Selenicereus stenopterus</i> (F.A.C.Weber) D.R.Hunt wfo-- 0001434104 | 344 |

| | | | |
|--|--------|---|----------|
| <i>Selenicereus testudo</i> (Karw. ex Zucc.) Buxb. ex Krainz wfo--0000438939 | 79 | <i>Setiechinopsis mirabilis</i> var. <i>gracilior</i> Backeb. wfo--0000432351 | 345 |
| <i>Selenicereus tonduzii</i> (F.A.C.Weber) S.Arias & N.Korotkova ex D.R.Hunt wfo--0001434106 | 344 | <i>Setirebutia disciformis</i> Frič wfo--0000438993 | 422 |
| <i>Selenicereus tonduzii</i> (F.A.C.Weber) S.Arias & N.Korotkova wfo--0001434105 | 344 | <i>Setirebutia turbiniformis</i> Frič wfo--0000439005 | 422 |
| <i>Selenicereus triangularis</i> (L.) D.R.Hunt wfo--0001434107 | 344 | <i>Sicobaccatus dolichospermaticus</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001038982 | 251, 252 |
| <i>Selenicereus tricae</i> D.R.Hunt wfo--0000438958 | 344 | <i>Sicobaccatus estevesii</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0000439007 | 252 |
| <i>Selenicereus trigonus</i> (Haw.) S.Arias & N.Korotkova wfo--0001434108 | 344 | <i>Sicobaccatus estevesii</i> subsp. <i>grandiflorus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0001434112 | 252 |
| <i>Selenicereus undatus</i> (Haw.) D.R.Hunt wfo--0001434109 | 345 | <i>Sicobaccatus estevesii</i> subsp. <i>insigniflorus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0001434113 | 252 |
| <i>Selenicereus urbanianus</i> (Gürke & Weing.) Britton & Rose wfo--0000438966 | 341 | <i>Sicobaccatus insigniflorus</i> (Diers & Esteves) P.J.Braun & Esteves wfo--0000746063 | 252 |
| <i>Selenicereus vagans</i> (K.Brandege) Britton & Rose wfo--0000438967 | 345 | <i>Sicobaccatus</i> P.J.Braun & Esteves wfo--4000035284 .. | 251 |
| <i>Selenicereus validus</i> S.Arias & U.Guzmán wfo--0000438991 | 345 | <i>Soehrensia xallagantha</i> Hirao & Y.Itô wfo--0000439008 | 407 |
| <i>Selenicereus vaupelii</i> (Weing.) A.Berger wfo--0000438995 | 343 | <i>Soehrensia xmendocina</i> (Méndez) Schlumpb. wfo--0001434943 | 349 |
| <i>Selenicereus wercklei</i> (F.A.C.Weber) Britton & Rose wfo--0001287956 | 342 | <i>Soehrensia angelesiae</i> (R.Kiesling) Schlumpb. wfo--0001434114 | 345 |
| <i>Selenicereus wittii</i> (K.Schum.) G.D.Rowley wfo--0000438988 | 360 | <i>Soehrensia arboricola</i> (Kimmach) Schlumpb. wfo--0001434115 | 345 |
| <i>Seleniphylum</i> G.D.Rowley wfo--4000034982 | 395 | <i>Soehrensia</i> Backeb. wfo--4000035663 | 345 |
| <i>Sericocactus haselbergii</i> (Haage ex Rümpler) Y.Itô wfo--0000438984 | 286 | <i>Soehrensia bruchii</i> (Britton & Rose) Backeb. wfo--0001038983 | 345 |
| <i>Sericocactus</i> Y.Itô wfo--4000035122 | 279 | <i>Soehrensia bruchii</i> var. <i>albiflora</i> Y.Itô wfo--0001434116 | 346 |
| <i>Serrulatocereus</i> Guiggi wfo--4000042509 | 167 | <i>Soehrensia bruchii</i> var. <i>atropurpureiflora</i> Y.Itô wfo--0001434117 | 346 |
| <i>Serrulatocereus serruliflorus</i> (Haw.) Guiggi wfo--0001434110 | 168 | <i>Soehrensia bruchii</i> var. <i>aurantiiflora</i> Y.Itô wfo--0001434118 | 346 |
| <i>Seticereus aurivillus</i> Backeb. wfo--0000438986 | 31 | <i>Soehrensia bruchii</i> var. <i>aureorubriflora</i> Y.Itô wfo--0001434119 | 345 |
| <i>Seticereus</i> Backeb. wfo--4000035205 | 29 | <i>Soehrensia bruchii</i> var. <i>roseiflora</i> Y.Itô wfo--0001434120 | 346 |
| <i>Seticereus chlorocarpus</i> (Kunth) Backeb. wfo--0001287581 | 34 | <i>Soehrensia bruchii</i> var. <i>roseorubriflora</i> Y.Itô wfo--0001434121 | 346 |
| <i>Seticereus ferrugineus</i> Backeb. wfo--0000438987 | 31 | <i>Soehrensia camarguensis</i> (Cárdenas) Schlumpb. wfo--0001434122 | 346 |
| <i>Seticereus humboldtii</i> (Kunth) Backeb. wfo--0001287580 | 31 | <i>Soehrensia candicans</i> (Gillies ex Salm-Dyck) Schlumpb. wfo--0001434123 | 346, 349 |
| <i>Seticereus icosagonus</i> (Kunth) Backeb. wfo--0001287579 | 29, 31 | <i>Soehrensia caulescens</i> (F.Ritter) Schlumpb. wfo--0001434124 | 346 |
| <i>Seticereus icosagonus</i> var. <i>aurantiaciflorus</i> Backeb. wfo--0001288676 | 31 | <i>Soehrensia crassicaulis</i> (R.Kiesling) Schlumpb. wfo--0001434125 | 347 |
| <i>Seticereus icosagonus</i> var. <i>ferruginea</i> (Backeb.) Backeb. wfo--0001289175 | 31 | <i>Soehrensia fabrisii</i> (R.Kiesling) Schlumpb. wfo--0001434126 | 347 |
| <i>Seticereus icosagonus</i> var. <i>oehmeanus</i> (Backeb.) Backeb. wfo--0001289174 | 31 | <i>Soehrensia formosa</i> (Pfeiff.) Backeb. wfo--0000438996 .. | 347 |
| <i>Seticereus oehmeanus</i> Backeb. wfo--0001434111 | 31 | <i>Soehrensia formosa</i> subsp. <i>formosa</i> wfo--0001434944 .. | 347 |
| <i>Seticereus oehmianus</i> Backeb. wfo--0001287757 | 31 | <i>Soehrensia formosa</i> subsp. <i>kieslingii</i> (Rausch) Schlumpb. wfo--0001434687 | 347 |
| <i>Seticereus oehmianus</i> var. <i>ferrugineus</i> Backeb. wfo--0001287758 | 31 | <i>Soehrensia formosa</i> subsp. <i>korethroides</i> (Werderm.) Schlumpb. wfo--0001434688 | 347 |
| <i>Seticereus roezlii</i> (F.Haage ex K.Schum.) Backeb. wfo--0001287582 | 32 | <i>Soehrensia formosa</i> subsp. <i>randallii</i> (Cárdenas) Schlumpb. wfo--0001434945 | 347 |
| <i>Seticleistocactus</i> Backeb. wfo--4000035206 | 44 | <i>Soehrensia formosa</i> subsp. <i>rosarioana</i> (Rausch) Schlumpb. wfo--0001434689 | 347 |
| <i>Seticleistocactus dependens</i> (Cárdenas) Backeb. wfo--0001283721 | 46 | <i>Soehrensia formosa</i> var. <i>maxima</i> Backeb. wfo--0001434127 | 347 |
| <i>Seticleistocactus piraymirensis</i> (Cárdenas) Backeb. wfo--0001038980 | 44, 47 | | |
| <i>Setiechinopsis</i> Backeb. ex de Haas wfo--4000042684 .. | 345 | | |
| <i>Setiechinopsis</i> Backeb. wfo--4000035207 | 345 | | |
| <i>Setiechinopsis mirabilis</i> (Speg.) Backeb. ex de Haas wfo--0000439000 | 345 | | |

| | | | |
|---|----------|--|----------|
| <i>Soehrensia formosa</i> var. <i>polycephala</i> Backeb. wfo-- 0001434128..... | 347 | <i>Spegazzinia</i> Backeb. wfo--4000035916 | 378 |
| <i>Soehrensia grandiflora</i> (Britton & Rose) Schlumpb. wfo-- 0001434129..... | 348 | <i>Spegazzinia cumingii</i> (Hopffer) Backeb. wfo--0000439003 | 384 |
| <i>Soehrensia grandis</i> (Britton & Rose) Backeb. wfo-- 0000438997..... | 345 | <i>Spegazzinia cumingii</i> var. <i>flavescens</i> Poselg. ex Backeb. wfo--0001434950 | 385 |
| <i>Soehrensia hahniana</i> (Backeb.) Schlumpb. wfo-- 0001434130..... | 348 | <i>Spegazzinia fidana</i> Backeb. wfo--0001245822 | 378, 382 |
| <i>Soehrensia huascha</i> (F.A.C.Weber) Schlumpb. wfo-- 0001434131..... | 348 | <i>Spegazzinia neumanniana</i> (Backeb.) Backeb. wfo-- 0000439264 | 382 |
| <i>Soehrensia huascha</i> (F.A.C.Weber) Schlumpb. wfo-- 0001434132..... | 348 | <i>Sphaeropuntia</i> Guiggi wfo--4000042506 | 69 |
| <i>Soehrensia huascha</i> subsp. <i>huascha</i> wfo--0001434946348 | | <i>Sphaeropuntia sphaerica</i> (C.F.Först.) Guiggi wfo-- 0001434145 | 71 |
| <i>Soehrensia huascha</i> subsp. <i>robusta</i> (Rausch) Schlumpb. wfo--0001434690..... | 348 | <i>Sphaeropuntia sphaerica</i> subsp. <i>crassicylindrica</i> (Rauh & Backeb.) Guiggi wfo--0001434146 | 72 |
| <i>Soehrensia huascha</i> var. <i>rosiflora</i> Y.Itô wfo--0001434133 | 348 | <i>Sphaeropuntia sphaerica</i> subsp. <i>leucophaea</i> (Phil.) Guiggi wfo--0001434147 | 71 |
| <i>Soehrensia ingens</i> Backeb. wfo--0000438998..... | 345 | <i>Sphaeropuntia sphaerica</i> subsp. <i>tumida</i> (F.Ritter) Guiggi wfo--0001434148 | 71 |
| <i>Soehrensia korethroides</i> (Werderm.) Backeb. wfo-- 0000438999..... | 347 | <i>Sphaeropuntia zehnderi</i> (Rauh & Backeb.) Guiggi wfo-- 0001434149 | 72 |
| <i>Soehrensia lobivoides</i> (Gräser & F.Ritter) Schlumpb. wfo-- 0001434134..... | 349 | <i>Stenocactus</i> (K.Schum.) A.Berger wfo--4000036472 | 351 |
| <i>Soehrensia oreopepon</i> (Speg.) Backeb. wfo--0000439004 | 347 | <i>Stenocactus</i> (K.Schum.) A.W.Hill wfo--4000042627 | 351 |
| <i>Soehrensia quadratiumbonata</i> (F.Ritter) Schlumpb. wfo-- 0001434135..... | 349 | <i>Stenocactus acroacanthus</i> (Stieber) W.T.Marshall & T.M.Bock wfo--0001434150..... | 352 |
| <i>Soehrensia sandiensis</i> (Hoxey) Schlumpb. wfo-- 0001434947..... | 349 | <i>Stenocactus albatius</i> (A.Dietr.) F.M.Knuth wfo-- 0000439427 | 355 |
| <i>Soehrensia schickendantzii</i> (F.A.C.Weber) Schlumpb. wfo-- 0001434136..... | 349 | <i>Stenocactus anfractuosus</i> (Mart. ex Pfeiff.) A.Berger ex A.W.Hill wfo--0001286294..... | 351 |
| <i>Soehrensia serpentina</i> (M.Lowry & M.Mend.) Schlumpb. wfo--0001434691..... | 349 | <i>Stenocactus anfractuosus</i> (Mart. ex Pfeiff.) A.Berger wfo-- 0001434151 | 351 |
| <i>Soehrensia shaferi</i> (Britton & Rose) Schlumpb. wfo-- 0001434948..... | 349 | <i>Stenocactus arrigens</i> (Link ex A.Dietr.) A.Berger ex A.W.Hill wfo--0001286295 | 351 |
| <i>Soehrensia smrziana</i> (Backeb.) Backeb. wfo--0000439001 | 349 | <i>Stenocactus arrigens</i> (Link ex A.Dietr.) A.Berger wfo-- 0001434152 | 351 |
| <i>Soehrensia spachiana</i> (Lem.) Schlumpb. wfo--0001434137 | 349 | <i>Stenocactus boedekerianus</i> (A.Berger) A.W.Hill wfo-- 0001286297 | 351 |
| <i>Soehrensia strigosa</i> (Salm-Dyck) Schlumpb. wfo-- 0001434138..... | 349 | <i>Stenocactus boedekerianus</i> A.Berger wfo--0001434153 | 351 |
| <i>Soehrensia tarijensis</i> (Vaupel) Schlumpb. wfo-- 0001434139..... | 349 | <i>Stenocactus bustamantei</i> Bravo wfo--0001286305 | 354 |
| <i>Soehrensia tarijensis</i> subsp. <i>bertramiana</i> (Backeb.) Schlumpb. wfo--0001434692 | 350 | <i>Stenocactus cadaroyi</i> Backeb. wfo--0001434154 | 352 |
| <i>Soehrensia tarijensis</i> subsp. <i>tarijensis</i> wfo--0001434949 | 350 | <i>Stenocactus confusus</i> (Britton & Rose) F.M.Knuth wfo-- 0001286307 | 353 |
| <i>Soehrensia thelegona</i> (F.A.C.Weber) Schlumpb. wfo-- 0001434140..... | 350 | <i>Stenocactus coptonogonus</i> (Lem.) A.Berger ex A.W.Hill wfo--0001256498 | 351 |
| <i>Soehrensia thelegonoides</i> (Speg.) Schlumpb. wfo-- 0001434141..... | 350 | <i>Stenocactus coptonogonus</i> A.Berger wfo--0001434155351 | |
| <i>Soehrensia uebelmanniana</i> Lembcke & Backeb. wfo-- 0001287297..... | 347 | <i>Stenocactus crispatus</i> (DC.) A.Berger ex A.W.Hill wfo-- 0001256499 | 351 |
| <i>Soehrensia vasquezii</i> (Rausch) Schlumpb. wfo-- 0001434142..... | 350 | <i>Stenocactus crispatus</i> (DC.) A.Berger wfo--0001434156 | 351 |
| <i>Soehrensia volliana</i> (Backeb.) Schlumpb. wfo-- 0001434143..... | 350 | <i>Stenocactus dichroacanthus</i> (Mart. ex Pfeiff.) A.Berger ex Backeb. & F.M.Knuth wfo--0001286298..... | 352 |
| <i>Soehrensia walteri</i> (R.Kiesling) Schlumpb. wfo-- 0001434144..... | 351 | <i>Stenocactus dichroacanthus</i> subsp. <i>dichroacanthus</i> wfo-- 0001286299 | 352 |
| <i>Solisia</i> Britton & Rose wfo--4000035735 | 197 | <i>Stenocactus dichroacanthus</i> subsp. <i>violaciflorus</i> (Quehl) U.Guzmán & Vázq.-Ben. wfo--0001286300 | 352 |
| <i>Solisia pectinata</i> (Stein) Britton & Rose wfo--0001257696 | 197, 224 | <i>Stenocactus dichroacanthus</i> var. <i>violaciflorus</i> (Quehl) Bravo wfo--0001286301 | 352 |
| <i>Solisia solisioides</i> (Backeb.) Doweld wfo--0001286268. 224 | | <i>Stenocactus gladius</i> (Link & Otto) A.Berger ex Backeb. & F.M.Knuth wfo--0000439428..... | 355 |
| | | <i>Stenocactus grandicornis</i> (Lem.) A.Berger ex Backeb. & F.M.Knuth wfo--0000439420..... | 352 |
| | | <i>Stenocactus hastatus</i> (Hopffer ex K.Schum.) A.Berger ex A.W.Hill wfo--0001256500..... | 353 |

| | | | |
|--|-----|---|-----|
| <i>Stenocactus hastatus</i> (Hopffer ex K.Schum.) A.Berger wfo--0001434157 | 353 | <i>Stenocactus wippermannii</i> (Muehlenpf.) A.Berger wfo--0001434166 | 355 |
| <i>Stenocactus heteracanthus</i> (Muehlenpf.) A.Berger ex A.W.Hill wfo--0001286303 | 352 | <i>Stenocactus zacatecasensis</i> (Britton & Rose) A.Berger ex A.W.Hill wfo--0001273849 | 353 |
| <i>Stenocactus heteracanthus</i> (Muehlenpf.) A.Berger wfo--0001434158 | 352 | <i>Stenocactus zacatecasensis</i> (Britton & Rose) A.Berger wfo--0001434167 | 353 |
| <i>Stenocactus jarmilae</i> Halda & Horáček wfo--0000439421 | 353 | <i>Stenocereus</i> (A.Berger) Riccob. wfo--4000036481 ..87, 355 | |
| <i>Stenocactus kaplanii</i> Halda, Kupčák & Sladk. wfo--0000439422 | 353 | <i>Stenocereus alamosensis</i> (J.M.Coult.) A.C.Gibson & K.E.Horak wfo--0001287222 | 356 |
| <i>Stenocactus lamellosus</i> (A.Dietr.) A.Berger ex A.W.Hill wfo--0001286306 | 353 | <i>Stenocereus alamosensis</i> f. <i>cristatus</i> (P.V.Heath) P.V.Heath wfo--0001434168 | 356 |
| <i>Stenocactus lamellosus</i> (A.Dietr.) A.Berger wfo--0001434159 | 353 | <i>Stenocereus alamosensis</i> var. <i>sonorensis</i> (K.Schum.) P.V.Heath wfo--0001434169 | 356 |
| <i>Stenocactus lancifer</i> (A.Dietr.) A.Berger ex Backeb. & F.M.Knuth wfo--0001286308 | 353 | <i>Stenocereus aragonii</i> (F.A.C.Weber) Buxb. wfo--0000438968 | 238 |
| <i>Stenocactus lexarzae</i> Bravo wfo--0000439417 | 353 | <i>Stenocereus beneckeii</i> (Ehrenb.) A.Berger & Buxb. wfo--0001256507 | 356 |
| <i>Stenocactus lexarzae</i> Bravo & Miranda wfo--0001039568 | 353 | <i>Stenocereus beneckeii</i> f. <i>cristatus</i> (P.V.Heath) P.V.Heath wfo--0001434170 | 356 |
| <i>Stenocactus lloydii</i> (Britton & Rose) A.Berger ex A.W.Hill wfo--0001286312 | 353 | <i>Stenocereus chacalapensis</i> (Bravo & T.MacDoug.) Buxb. wfo--0001256508 | 356 |
| <i>Stenocactus magnificus</i> Halda & Horáček wfo--0000439424 | 353 | <i>Stenocereus chrysocarpus</i> Sánchez-Mej. wfo--0001232495 | 356 |
| <i>Stenocactus multicostatus</i> (Hildm. ex K.Schum.) A.Berger wfo--0001256501 | 353 | <i>Stenocereus deficiens</i> (Otto & A.Dietr.) Buxb. wfo--0000438970 | 357 |
| <i>Stenocactus multicostatus</i> subsp. <i>multicostatus</i> wfo--0001286309 | 353 | <i>Stenocereus dumortieri</i> (Scheidw.) Buxb. wfo--0001289482 | 171 |
| <i>Stenocactus multicostatus</i> subsp. <i>zacatecasensis</i> (Britton & Rose) U.Guzmán & Vázq.-Ben. wfo--0001286310 | 353 | <i>Stenocereus eichlamii</i> (Britton & Rose) Buxb. ex Bravo wfo--0000735069 | 238 |
| <i>Stenocactus obvallatus</i> (DC.) A.Berger ex A.W.Hill wfo--0001256502 | 354 | <i>Stenocereus eruca</i> (K.Brandege) A.C.Gibson & K.E.Horak wfo--0001256510 | 356 |
| <i>Stenocactus obvallatus</i> (DC.) A.Berger wfo--0001434160 | 354 | <i>Stenocereus fimbriatus</i> (Lam.) Lourteig wfo--0001238826 | 357 |
| <i>Stenocactus ochoterenaus</i> Tiegel wfo--0000442141 | 354 | <i>Stenocereus fricii</i> Sánchez-Mej. wfo--0001256511 | 356 |
| <i>Stenocactus ochoterenianus</i> Tiegel wfo--0001286313 | 354 | <i>Stenocereus griseus</i> (Haw.) Buxb. wfo--0000438960 | 356 |
| <i>Stenocactus pentacanthus</i> (Lem.) A.Berger ex A.W.Hill wfo--0001286315 | 354 | <i>Stenocereus griseus</i> f. <i>cristatus</i> (P.V.Heath) P.V.Heath wfo--0001434171 | 357 |
| <i>Stenocactus pentacanthus</i> (Lem.) A.Berger wfo--0001434161 | 354 | <i>Stenocereus griseus</i> var. <i>monstrosus</i> (Salm-Dyck ex DC.) P.V.Heath wfo--0001434172 | 357 |
| <i>Stenocactus pentacanthus</i> subsp. <i>tulensis</i> Halda, Kupčák & Sladk. wfo--0001434162 | 354 | <i>Stenocereus gummosus</i> (Engelm.) A.C.Gibson & K.E.Horak wfo--0001256512 | 357 |
| <i>Stenocactus phyllacanthus</i> (Mart) A.Berger wfo--0001434163 | 354 | <i>Stenocereus gummosus</i> f. <i>cristatus</i> (P.V.Heath) P.V.Heath wfo--0001434173 | 357 |
| <i>Stenocactus phyllacanthus</i> (Mart.) A.Berger ex A.W.Hill wfo--0001256503 | 354 | <i>Stenocereus gummosus</i> f. <i>tortuosus</i> (P.V.Heath) P.V.Heath wfo--0001434174 | 357 |
| <i>Stenocactus rectispinus</i> Schmoll wfo--0001256504 | 355 | <i>Stenocereus heptagonus</i> (L.) Mottram wfo--0001434175 | 357 |
| <i>Stenocactus sulphureus</i> (A.Dietr.) Bravo wfo--0001256505 | 355 | <i>Stenocereus huastecorum</i> Alvarado-Sizzo, Arreola-Nava & Terrazas wfo--0001434176 | 357 |
| <i>Stenocactus tetraxiphus</i> (Otto ex K.Schum.) A.Berger ex A.W.Hill wfo--0001286318 | 355 | <i>Stenocereus humilis</i> (Britton & Rose) D.R.Hunt wfo--0000438963 | 357 |
| <i>Stenocactus tetraxiphus</i> (Otto ex K.Schum.) A.Berger wfo--0001434164 | 355 | <i>Stenocereus hystrix</i> (Haw.) Buxb. wfo--0001258828 | 357 |
| <i>Stenocactus tricuspидatus</i> (Scheidw.) A.Berger ex Backeb. & F.M.Knuth wfo--0000439434 | 354 | <i>Stenocereus kerberi</i> (K.Schum.) A.C.Gibson & K.E.Horak wfo--0001256513 | 358 |
| <i>Stenocactus vaupelianus</i> (Werderm.) F.M.Knuth wfo--0001256506 | 355 | <i>Stenocereus laevigatus</i> (Salm-Dyck) Buxb. wfo--0000438964 | 358 |
| <i>Stenocactus violaciflorus</i> (Quehl) A.Berger ex A.W.Hill wfo--0001286302 | 352 | <i>Stenocereus laevigatus</i> var. <i>schumannii</i> (Mathsson ex K.Schum.) P.V.Heath wfo--0001434177 | 238 |
| <i>Stenocactus violaciflorus</i> (Quehl) A.Berger wfo--0001434165 | 352 | <i>Stenocereus littoralis</i> (K.Brandege) L.W.Lenz wfo--0001228440 | 359 |
| <i>Stenocactus wippermannii</i> (Muehlenpf.) A.Berger ex A.W.Hill wfo--0001286319 | 355 | <i>Stenocereus longispinus</i> (Britton & Rose) Buxb. wfo--0001258831 | 358 |

| | | | |
|--|----------|--|-----|
| <i>Stenocereus marginatus</i> (DC.) A.Berger & Buxb. wfo-- 0001289478..... | 192 | <i>Stromatocarpus kotschoubeyi</i> Karw. ex Rümpler wfo-- 0000439432..... | 10 |
| <i>Stenocereus marginatus</i> var. <i>gemmatus</i> Bravo wfo-- 0001289479..... | 192 | <i>Strombocactus xroseiflorus</i> (Backeb.) T.Hewitt wfo-- 0000439391..... | 373 |
| <i>Stenocereus martinezii</i> (J.G.Ortega) Buxb. wfo-- 0001256514..... | 358 | <i>Strombocactus</i> Britton & Rose wfo--4000036910..... | 360 |
| <i>Stenocereus montanus</i> (Britton & Rose) Buxb. wfo-- 0001256517..... | 358 | <i>Strombocactus corregidorae</i> S.Arias & E.Sánchez wfo-- 0000750397..... | 360 |
| <i>Stenocereus peruvianus</i> (Mill.) R.Kiesling wfo-- 0000439027..... | 43 | <i>Strombocactus denegrii</i> (Frič) G.D.Rowley wfo-- 0000439398..... | 256 |
| <i>Stenocereus pruinosus</i> (Otto ex Pfeiff.) Buxb. wfo-- 0000439028..... | 358 | <i>Strombocactus disciformis</i> (DC.) Britton & Rose wfo-- 0001287054..... | 360 |
| <i>Stenocereus queretaroensis</i> (F.A.C.Weber) Buxb. wfo-- 0000439435..... | 358 | <i>Strombocactus disciformis</i> f. <i>minimus</i> Pedro & Říha wfo-- 0001434183..... | 360 |
| <i>Stenocereus quevedonis</i> (J.G.Ortega) Buxb. wfo-- 0001256518..... | 358 | <i>Strombocactus disciformis</i> subsp. <i>disciformis</i> wfo-- 0001254405..... | 360 |
| <i>Stenocereus standleyi</i> (J.G.Ortega) Buxb. wfo-- 0001289126..... | 358 | <i>Strombocactus disciformis</i> subsp. <i>esperanzae</i> Glass & S.Arias wfo--0001254406..... | 360 |
| <i>Stenocereus stellatus</i> (Pfeiff.) Riccob. wfo--0001289484 | 355, 358 | <i>Strombocactus disciformis</i> subsp. <i>jarmilae</i> (Halda) Halda wfo--0001434184..... | 360 |
| <i>Stenocereus stellatus</i> var. <i>tenellianus</i> Riccob. wfo-- 0001434178..... | 358 | <i>Strombocactus disciformis</i> var. <i>esperanzae</i> (Glass & S.Arias) Pedro & Říha wfo--0001434185..... | 360 |
| <i>Stenocereus</i> subg. <i>Nigellicerus</i> P.V.Heath wfo-- 3500004043..... | 355 | <i>Strombocactus disciformis</i> var. <i>seidelii</i> (Frič) Crkal wfo-- 0001434186..... | 360 |
| <i>Stenocereus thurberi</i> (Engelm.) Buxb. wfo--0001287223 | 359 | <i>Strombocactus jarmilae</i> Halda wfo--0001254437..... | 360 |
| <i>Stenocereus thurberi</i> f. <i>cristatus</i> (P.V.Heath) P.V.Heath wfo--0001434179..... | 359 | <i>Strombocactus klinkeranus</i> Backeb. & H.Jacobsen wfo-- 0001287055..... | 374 |
| <i>Stenocereus thurberi</i> f. <i>dichotomus</i> (P.V.Heath) P.V.Heath wfo--0001434180..... | 359 | <i>Strombocactus klinkerianus</i> (Backeb. & H.Jacobsen) Buining wfo--0000439400..... | 374 |
| <i>Stenocereus thurberi</i> subsp. <i>littoralis</i> (K.Brandege) N.P.Taylor wfo--0001256522..... | 359 | <i>Strombocactus lophophoroides</i> (Werderm.) Backeb. wfo-- 0000439401..... | 372 |
| <i>Stenocereus thurberi</i> subsp. <i>thurberi</i> wfo--0001256521 | 359 | <i>Strombocactus macrochele</i> (Werderm.) Backeb. wfo-- 0000439402..... | 374 |
| <i>Stenocereus thurberi</i> var. <i>littoralis</i> (K.Brandege) Bravo wfo--0001228439..... | 359 | <i>Strombocactus pseudomacrochele</i> Backeb. wfo-- 0001256583..... | 172 |
| <i>Stenocereus treleasei</i> (Rose) Backeb. wfo--0001289485 | 359 | <i>Strombocactus pseudomacrochele</i> var. <i>krainzianus</i> (Gerhart Frank) G.D.Rowley wfo--0001286364..... | 172 |
| <i>Stenocereus weberi</i> (J.M.Coult.) Buxb. wfo--0000439429 | 279 | <i>Strombocactus pulcherrimus</i> Halda wfo--0001254438..... | 360 |
| <i>Stenocereus yunckeri</i> (Standl.) M.Bravo & Sánchez-Mej. wfo--0000439430..... | 359 | <i>Strombocactus schmiedickeanus</i> (Boed.) A.Berger wfo-- 0001434694..... | 373 |
| <i>Stenocereus yunckeri</i> (Standl.) P.V.Heath wfo-- 0001434181..... | 359 | <i>Strombocactus schmiedickeanus</i> (Boed.) J.West wfo-- 0000439392..... | 373 |
| <i>Stenocereus zopilotensis</i> Arreola-Nava & Terrazas wfo-- 0000442142..... | 359 | <i>Strombocactus schmiedickeanus</i> var. <i>klinkeranus</i> (Backeb. & H.Jacobsen) G.D.Rowley wfo--0001434187..... | 374 |
| <i>Stephanocereus</i> A.Berger wfo--4000036576..... | 359 | <i>Strombocactus schwarzii</i> Shurly wfo--0001256601..... | 375 |
| <i>Stephanocereus leucostele</i> (Gürke) A.Berger wfo-- 0001254404..... | 359 | <i>Strombocactus</i> subg. <i>Turbinacarpus</i> Backeb. wfo-- 3500004014..... | 370 |
| <i>Stephanocereus luetzelburgii</i> (Vaupel) N.P.Taylor & Eggli wfo--0001289787..... | 359 | <i>Strombocactus turbiniformis</i> (Pfeiff.) Frič wfo-- 0000439394..... | 360 |
| <i>Stephanocereus</i> subg. <i>Lagenopsis</i> N.P.Taylor & Eggli wfo-- 3500004038..... | 359 | <i>Strombocactus turbiniformis</i> var. <i>seidelii</i> Frič wfo-- 0001434188..... | 360 |
| <i>Stetsonia</i> Britton & Rose wfo--4000036654..... | 359 | <i>Strophocactus brasiliensis</i> (Britton & Rose) S.Arias & N.Korotkova wfo--0001434189..... | 360 |
| <i>Stetsonia coryne</i> (Salm-Dyck) Britton & Rose wfo-- 0001287947..... | 359 | <i>Strophocactus</i> Britton & Rose wfo--4000036930..... | 360 |
| <i>Stetsonia coryne</i> var. <i>procera</i> F.Ritter wfo--0001434182 | 360 | <i>Strophocactus chontalensis</i> (Alexander) Ralf Bauer wfo-- 0001271800..... | 79 |
| <i>Stromatocactus</i> Karw. ex Rümpler wfo--4000036907..... | 9 | <i>Strophocactus sicariguensis</i> (Croizat & Tamayo) S.Arias & N.Korotkova wfo--0001434190..... | 360 |
| <i>Stromatocactus kotschoubeyi</i> Karw. ex Rümpler wfo-- 0000439431..... | 9, 10 | <i>Strophocactus sicariguensis</i> (Croizat & Tamayo) S.Arias & N.Korotkova wfo--0001434978..... | 360 |
| <i>Stromatocarpus</i> wfo--4000036908..... | 9, 10 | <i>Strophocactus testudo</i> (Karw. ex Zucc.) Ralf Bauer wfo-- 0001271799..... | 79 |

| | | | |
|---|--------|---|-----|
| <i>Strophocactus wittii</i> (K.Schum.) Britton & Rose wfo-- 0000439395..... | 360 | <i>Subpilocereus wagenarii</i> (Croizat) Backeb. wfo-- 0000439405..... | 422 |
| <i>Strophocactus wittii</i> subsp. <i>ericii</i> Kramm wfo-- 0001434191..... | 361 | <i>Subulatopuntia</i> Frič & Schelle wfo--4000042550..... | 256 |
| <i>Strophocactus wittii</i> subsp. <i>wittii</i> wfo--0001434951..... | 361 | <i>Sulcorebutia xerinacea</i> Slaba & Šorma wfo--0000439458 | 422 |
| <i>Strophocereus</i> Frič & Kreuz. wfo--4000042595..... | 360 | <i>Sulcorebutia alba</i> Rausch wfo--0001246907..... | 380 |
| <i>Submatucana aurantiaca</i> (Vaupel) Backeb. wfo-- 0001287846..... | 238 | <i>Sulcorebutia albaoides</i> (F.H.Brandt) Pilbeam wfo-- 0001284397..... | 380 |
| <i>Submatucana aureiflora</i> (F.Ritter) Backeb. wfo-- 0001289237..... | 239 | <i>Sulcorebutia albaoides</i> var. <i>subfusca</i> (F.H.Brandt) Pilbeam wfo--0001434199..... | 381 |
| <i>Submatucana</i> Backeb. wfo--4000037040..... | 238 | <i>Sulcorebutia albiareolata</i> (Slaba & Šorma) J.de Vries wfo-- 0001434200..... | 381 |
| <i>Submatucana calvescens</i> (Kimnach & Hutchison) Backeb. wfo--0001287847..... | 238 | <i>Sulcorebutia albissima</i> (F.H.Brandt) Pilbeam wfo-- 0001262861..... | 383 |
| <i>Submatucana currundayensis</i> (F.Ritter) Backeb. wfo-- 0000439396..... | 238 | <i>Sulcorebutia ambigua</i> (Hildm.) F.H.Brandt wfo-- 0000439404..... | 422 |
| <i>Submatucana formosa</i> (F.Ritter) Backeb. wfo-- 0001289239..... | 239 | <i>Sulcorebutia arachnites</i> Slaba & Šorma wfo--0001434201 | 381 |
| <i>Submatucana formosa</i> var. <i>minor</i> (F.Ritter) Backeb. wfo-- 0001434192..... | 239 | <i>Sulcorebutia arenacea</i> (Cárdenas) F.Ritter wfo-- 0001262865..... | 379 |
| <i>Submatucana intertexta</i> (F.Ritter) Backeb. wfo-- 0001289240..... | 240 | <i>Sulcorebutia arenacea</i> var. <i>candiae</i> (Cárdenas) Gertel & J.de Vries wfo--0001434202..... | 379 |
| <i>Submatucana madisoniorum</i> (Hutchison) Backeb. wfo-- 0001288677..... | 240 | <i>Sulcorebutia arenacea</i> var. <i>kamiensis</i> (Brederoo & Donald) Gertel & J.de Vries wfo--0001434203..... | 379 |
| <i>Submatucana myriacantha</i> (Vaupel) Backeb. wfo-- 0001287852..... | 240 | <i>Sulcorebutia arenacea</i> var. <i>menesesii</i> (Cárdenas) Gertel & J.de Vries wfo--0001434204..... | 379 |
| <i>Submatucana paucicostata</i> (F.Ritter) Backeb. wfo-- 0000439407..... | 240 | <i>Sulcorebutia atrospinosa</i> J.de Vries wfo--0001041585. | 382 |
| <i>Submatucana ritteri</i> (Buining) Backeb. wfo--0001289242 | 241 | <i>Sulcorebutia augustini</i> var. <i>jakubeciana</i> Halda, Heřtus & Horáček wfo--0001434205..... | 384 |
| <i>Subpilocereus albispinus</i> (Salm-Dyck) Backeb. wfo-- 0001289087..... | 397 | <i>Sulcorebutia augustinii</i> Hentzschel wfo--0001246908. | 384 |
| <i>Subpilocereus atroviridis</i> (Backeb.) Backeb. wfo-- 0000439408..... | 42 | <i>Sulcorebutia augustinii</i> var. <i>jacubeciana</i> Halda, Heřtus & Horáček wfo--0001284617..... | 384 |
| <i>Subpilocereus</i> Backeb. wfo--4000037041..... | 38 | <i>Sulcorebutia azurduyensis</i> Gertel, Jucker & J.de Vries wfo-- -0001279590..... | 379 |
| <i>Subpilocereus fricii</i> (Backeb.) Guiggi wfo--0000439409.. | 40 | <i>Sulcorebutia azurduyensis</i> var. <i>sormae</i> (Heřtus, Horáček & Slaba) Gertel & Jucker wfo--0001434206..... | 379 |
| <i>Subpilocereus fricii</i> subsp. <i>horrispinus</i> (Backeb.) Guiggi wfo--0001434193..... | 41 | <i>Sulcorebutia</i> Backeb. wfo--4000037065..... | 378 |
| <i>Subpilocereus grenadensis</i> (Britton & Rose) Backeb. wfo-- 0000439416..... | 42 | <i>Sulcorebutia breviflora</i> Backeb. wfo--0001262866..... | 379 |
| <i>Subpilocereus horrispinus</i> (Backeb.) Backeb. wfo-- 0000439411..... | 41 | <i>Sulcorebutia breviflora</i> subsp. <i>haseltonii</i> (Cárdenas) Fritz wfo--0001434207..... | 379 |
| <i>Subpilocereus margaritensis</i> (J.R.Johnst.) Backeb. wfo-- 0001289113..... | 42 | <i>Sulcorebutia breviflora</i> subsp. <i>laui</i> (Diers) Fritz wfo-- 0001434208..... | 379 |
| <i>Subpilocereus margaritensis</i> var. <i>micranthus</i> (Hummelinck) Backeb. wfo--0001434194..... | 40 | <i>Sulcorebutia breviflora</i> subvar. <i>viridior</i> Diers wfo-- 0001434209..... | 379 |
| <i>Subpilocereus mortensenii</i> (Croizat) Trujillo & Marisela Ponce wfo--0000439412..... | 42 | <i>Sulcorebutia breviflora</i> var. <i>breviflora</i> wfo--0001262867 | 379 |
| <i>Subpilocereus ottonis</i> Backeb. wfo--0000737125..... | 41 | <i>Sulcorebutia breviflora</i> var. <i>haseltonii</i> (Cárdenas) Diers wfo--0001262848..... | 379 |
| <i>Subpilocereus remolinensis</i> (Backeb.) Backeb. wfo-- 0000439413..... | 42 | <i>Sulcorebutia breviflora</i> var. <i>laui</i> Diers wfo--0001246909 | 379 |
| <i>Subpilocereus repandus</i> (L.) Backeb. wfo--0000439414.. | 42 | <i>Sulcorebutia brevispina</i> (F.H.Brandt) Pilbeam wfo-- 0001284398..... | 380 |
| <i>Subpilocereus repandus</i> subsp. <i>micracanthus</i> (Hummelinck) Trujillo & Marisela Ponce wfo-- 0001434195..... | 40 | <i>Sulcorebutia caineana</i> (Cárdenas) Donald wfo-- 0000439437..... | 379 |
| <i>Subpilocereus repandus</i> var. <i>weberi</i> Backeb. wfo-- 0001434196..... | 43 | <i>Sulcorebutia callecallensis</i> (F.H.Brandt) Pilbeam wfo-- 0001284402..... | 380 |
| <i>Subpilocereus russelianus</i> var. <i>margaritensis</i> (J.R.Johnst.) Backeb. wfo--0001434197..... | 42 | <i>Sulcorebutia callichroma</i> J.de Vries wfo--0001434210. | 381 |
| <i>Subpilocereus russelianus</i> var. <i>micracanthus</i> (Hummelinck) Backeb. wfo--0001434198..... | 40 | <i>Sulcorebutia callichroma</i> var. <i>longispina</i> (Slaba & Šorma) J.de Vries wfo--0001434211..... | 381 |
| <i>Subpilocereus russellianus</i> (Hort.Berol. ex Salm-Dyck) Backeb. wfo--0000439415..... | 38, 40 | <i>Sulcorebutia camargoensis</i> Gertel & Jucker wfo-- 0001284692..... | 407 |

| | | | |
|---|-----|---|-----|
| <i>Sulcorebutia candiae</i> (Cárdenas) Buining & Donald wfo-- 0001262868..... | 379 | <i>Sulcorebutia frankiana</i> var. <i>aureispina</i> Rausch wfo-- 0001262909..... | 380 |
| <i>Sulcorebutia candiae</i> var. <i>kamiensis</i> (Brederoo & Donald) K.Augustin & Gertel wfo--0001262870..... | 379 | <i>Sulcorebutia frankiana</i> var. <i>intermedia</i> Slaba & Šorma wfo-- --0001434217..... | 381 |
| <i>Sulcorebutia canigueralii</i> (Cárdenas) Buining & Donald wfo--0001262879..... | 379 | <i>Sulcorebutia frankiana</i> var. <i>rectispina</i> Slaba & Šorma wfo-- 0001434218..... | 381 |
| <i>Sulcorebutia canigueralii</i> var. <i>applanata</i> (Donald & Krahn) Horáček wfo--0001434212..... | 380 | <i>Sulcorebutia frankiana</i> var. <i>variabilis</i> Slaba & Šorma wfo-- 0001434219..... | 381 |
| <i>Sulcorebutia canigueralii</i> var. <i>atropurpurea</i> Rausch wfo-- 0001262906..... | 382 | <i>Sulcorebutia gemmae</i> Mosti & Rovida wfo--0001258158 | 381 |
| <i>Sulcorebutia cantargalloensis</i> Gertel, Jucker & J.de Vries wfo--0001033162..... | 381 | <i>Sulcorebutia gerosenilis</i> Říha & Arandia wfo--0000439465 | 382 |
| <i>Sulcorebutia cantargalloensis</i> var. <i>torrepampensis</i> Gertel & Jucker wfo--0001434213..... | 381 | <i>Sulcorebutia glomeriseta</i> (Cárdenas) F.Ritter wfo-- 0001262888..... | 379 |
| <i>Sulcorebutia caracarensis</i> (Cárdenas) Donald wfo-- 0001262885..... | 380 | <i>Sulcorebutia glomerispina</i> (Cárdenas) Buining & Donald wfo--0001262963..... | 323 |
| <i>Sulcorebutia cardenasiana</i> R.Vásquez wfo--0001246910 | 381 | <i>Sulcorebutia haseltonii</i> (Cárdenas) Donald wfo-- 0001262846..... | 379 |
| <i>Sulcorebutia chilensis</i> (Backeb.) F.H.Brandt wfo-- 0000439462..... | 255 | <i>Sulcorebutia hediniana</i> (Backeb.) F.H.Brandt wfo-- 0000439469..... | 384 |
| <i>Sulcorebutia christiei</i> B.Bates, Halda, Heřtus & Horáček wfo--0001033168..... | 381 | <i>Sulcorebutia heinzii</i> Halda, Heřtus & Horáček wfo-- 0001284616..... | 325 |
| <i>Sulcorebutia cintiensis</i> (Cárdenas) F.H.Brandt wfo-- 0000439463..... | 383 | <i>Sulcorebutia heliosoides</i> P.Lechner & A.Draxler wfo-- 0001284802..... | 381 |
| <i>Sulcorebutia clavata</i> (F.H.Brandt) Pilbeam, <i>Sulcorebutia</i> & Weingartia wfo--0000439464..... | 324 | <i>Sulcorebutia hertusii</i> (Halda & Horáček) Halda & Horáček wfo--0001033165..... | 382 |
| <i>Sulcorebutia cochabambina</i> Rausch wfo--0001246911 | 324 | <i>Sulcorebutia hertusii</i> subsp. <i>aureicapillata</i> (Halda, Heřtus & Horáček) Halda, Heřtus & Horáček wfo--0001434954 | 382 |
| <i>Sulcorebutia confusa</i> Halda, Heřtus & Horáček wfo-- 0001033164..... | 382 | <i>Sulcorebutia hertusii</i> var. <i>auricapillata</i> (Halda, Heřtus & Horáček) Halda, Heřtus & Horáček wfo--0001033167 | 382 |
| <i>Sulcorebutia corroana</i> (Cárdenas) Brederoo & Donald wfo-- --0000439460..... | 385 | <i>Sulcorebutia hoffmanniana</i> (Backeb.) Backeb. wfo-- 0001284420..... | 323 |
| <i>Sulcorebutia crispata</i> Rausch wfo--0001254645..... | 382 | <i>Sulcorebutia horacekii</i> Slaba wfo--0001033179..... | 386 |
| <i>Sulcorebutia crispata</i> subsp. <i>aureicapillata</i> Halda, Heřtus & Horáček wfo--0001434214..... | 382 | <i>Sulcorebutia inflexiseta</i> (Cárdenas) Donald wfo-- 0001262898..... | 380 |
| <i>Sulcorebutia crispata</i> subsp. <i>auricapillata</i> Halda, Heřtus & Horáček wfo--0001434952..... | 382 | <i>Sulcorebutia insperata</i> Rol.Müll. wfo--0000750158..... | 407 |
| <i>Sulcorebutia crispata</i> subsp. <i>hertusii</i> Halda & Horáček wfo-- --0001284665..... | 382 | <i>Sulcorebutia juckeri</i> Gertel wfo--0001284693..... | 383 |
| <i>Sulcorebutia crispata</i> var. <i>auricapillata</i> Halda, Heřtus & Horáček wfo--0001033166..... | 382 | <i>Sulcorebutia krahonii</i> Rausch wfo--0001262899..... | 324 |
| <i>Sulcorebutia crispata</i> var. <i>muelleri</i> Gertel wfo-- 0001434215..... | 381 | <i>Sulcorebutia kruegerae</i> (Cárdenas) F.Ritter wfo-- 0000439472..... | 383 |
| <i>Sulcorebutia croceareolata</i> (F.H.Brandt) Pilbeam, <i>Sulcorebutia</i> & <i>Weingartia</i> wfo--0000439454..... | 381 | <i>Sulcorebutia kruegerae</i> var. <i>hoffmanniana</i> (Backeb.) Donald wfo--0001434220..... | 323 |
| <i>Sulcorebutia cylindrica</i> Donald & A.B.Lau wfo-- 0001246912..... | 382 | <i>Sulcorebutia kruegerae</i> var. <i>hoffmannii</i> K.Augustin & Hentzschel wfo--0001262900..... | 325 |
| <i>Sulcorebutia cylindrica</i> var. <i>crucensis</i> Donald ex Gertel wfo-- --0001434216..... | 382 | <i>Sulcorebutia lada-horacekii</i> Slaba wfo--0001434221... .. | 422 |
| <i>Sulcorebutia dorana</i> Gertel wfo--0001268334..... | 382 | <i>Sulcorebutia lamprochlora</i> J.de Vries wfo--0001041589 | 382 |
| <i>Sulcorebutia electracantha</i> Backeb. wfo--0001434953. | 325 | <i>Sulcorebutia lanata</i> (F.Ritter) F.H.Brandt wfo-- 0000439473..... | 384 |
| <i>Sulcorebutia elizabethae</i> J.de Vries wfo--0001284670.. | 381 | <i>Sulcorebutia langeri</i> K.Augustin & Hentzschel wfo-- 0001250988..... | 381 |
| <i>Sulcorebutia erinacea</i> (F.Ritter) F.H.Brandt wfo-- 0000439456..... | 384 | <i>Sulcorebutia lecoriensis</i> (Cárdenas) F.H.Brandt wfo-- 0000439467..... | 383 |
| <i>Sulcorebutia fidana</i> (Backeb.) F.H.Brandt wfo-- 0000439453..... | 382 | <i>Sulcorebutia lepida</i> F.Ritter wfo--0001262982..... | 323 |
| <i>Sulcorebutia fischeriana</i> K.Augustin wfo--0001246913 | 381 | <i>Sulcorebutia longigibba</i> (F.Ritter) F.H.Brandt wfo-- 0000439471..... | 384 |
| <i>Sulcorebutia flavida</i> (F.H.Brandt) Pilbeam wfo-- 0001284411..... | 383 | <i>Sulcorebutia losenickyana</i> Rausch wfo--0001246914... .. | 380 |
| <i>Sulcorebutia flavissima</i> Rausch wfo--0001262940..... | 383 | <i>Sulcorebutia losenickyana</i> var. <i>albispina</i> (Rausch) Slaba wfo--0001434222..... | 380 |
| <i>Sulcorebutia formosa</i> (F.H.Brandt) Pilbeam wfo-- 0000439457..... | 383 | | |
| <i>Sulcorebutia frankiana</i> Rausch wfo--0001262887..... | 380 | | |

| | | | |
|---|-----|--|----------|
| <i>Sulcorebutia losenickyana</i> var. <i>chatajillensis</i> (Oeser & Brederoo) K. Augustin & Gertel wfo--0001262912 | 381 | <i>Sulcorebutia pilcomayensis</i> (Cárdenas) F.H. Brandt wfo--0000439441 | 385 |
| <i>Sulcorebutia losenickyana</i> var. <i>vasqueziana</i> (Rausch) K. Augustin & Gertel wfo--0001262932 | 386 | <i>Sulcorebutia pirhuaniensis</i> Gertel & Jucker wfo--0001434228 | 407 |
| <i>Sulcorebutia luteiflora</i> J. de Vries wfo--0001434223 | 381 | <i>Sulcorebutia platygona</i> (Cárdenas) F.H. Brandt wfo--0000439448 | 385 |
| <i>Sulcorebutia mariana</i> H. Swoboda wfo--0001246915 | 386 | <i>Sulcorebutia polymorpha</i> (Cárdenas) Backeb. wfo--0001262951 | 324 |
| <i>Sulcorebutia mariana</i> var. <i>laui</i> (Brederoo & Donald) K. Augustin & Gertel wfo--0001262935 | 325 | <i>Sulcorebutia pulchra</i> (Cárdenas) Donald wfo--0001254631 | 323 |
| <i>Sulcorebutia mariana</i> var. <i>mariana</i> wfo--0001262938 | 325 | <i>Sulcorebutia pulchra</i> subsp. <i>lenkae</i> Halda, Heřtus & Horáček wfo--0001434229 | 381 |
| <i>Sulcorebutia mariana</i> var. <i>prantneri</i> K. Augustin & Hentschel wfo--0001434224 | 325 | <i>Sulcorebutia pulchra</i> var. <i>albiareolata</i> Slaba & Šorma wfo--0001434230 | 381 |
| <i>Sulcorebutia markusii</i> Rausch wfo--0001262939 | 383 | <i>Sulcorebutia pulchra</i> var. <i>longispina</i> Slaba & Šorma wfo--0001434231 | 381 |
| <i>Sulcorebutia markusii</i> subsp. <i>tintiniensis</i> Gertel wfo--0001284598 | 384 | <i>Sulcorebutia pulquinensis</i> (Cárdenas) F.H. Brandt wfo--0000439439 | 384 |
| <i>Sulcorebutia menesesii</i> (Cárdenas) Buining & Donald wfo--0001247015 | 379 | <i>Sulcorebutia purpurea</i> (Donald & A.B. Lau) Brederoo & Donald wfo--0001254647 | 385 |
| <i>Sulcorebutia menesesii</i> var. <i>kamiensis</i> Brederoo & Donald wfo--0001247014 | 379 | <i>Sulcorebutia purpurea</i> subsp. <i>dorana</i> (Gertel) Halda, Heřtus & Horáček wfo--0001434232 | 382 |
| <i>Sulcorebutia menesesii</i> var. <i>muschii</i> (R. Vásquez) Buining & Donald wfo--0001434225 | 379 | <i>Sulcorebutia purpurea</i> subsp. <i>gigantea</i> Halda, Heřtus & Horáček wfo--0001434233 | 386 |
| <i>Sulcorebutia mentosa</i> F. Ritter wfo--0001249968 | 383 | <i>Sulcorebutia purpurea</i> subsp. <i>horacekii</i> (Slaba) Halda & Malina wfo--0001033180 | 386 |
| <i>Sulcorebutia mentosa</i> subsp. <i>albissima</i> (F.H. Brandt) Gertel wfo--0001284642 | 383 | <i>Sulcorebutia purpurea</i> subsp. <i>jolantae</i> Halda, Heřtus & Horáček wfo--0001434234 | 386 |
| <i>Sulcorebutia mentosa</i> subsp. <i>flavissima</i> (Rausch) Sída wfo--0001434226 | 383 | <i>Sulcorebutia purpurea</i> subsp. <i>nadae</i> Halda, Heřtus & Horáček wfo--0001434235 | 386 |
| <i>Sulcorebutia mentosa</i> subsp. <i>purpurea</i> (Donald & A.B. Lau) Gertel wfo--0001284646 | 384 | <i>Sulcorebutia purpurea</i> subsp. <i>santiagensis</i> (Rausch) Horáček wfo--0001033181 | 386 |
| <i>Sulcorebutia mentosa</i> var. <i>albissima</i> (F.H. Brandt) Gertel wfo--0001284643 | 383 | <i>Sulcorebutia purpurea</i> subsp. <i>santiaginiensis</i> (Rausch) Slaba wfo--0001434236 | 386 |
| <i>Sulcorebutia mentosa</i> var. <i>mentosa</i> wfo--0001262944 | 383 | <i>Sulcorebutia purpurea</i> var. <i>unguispina</i> (Rausch) K. Augustin & Gertel wfo--0001262954 | 386 |
| <i>Sulcorebutia mentosa</i> var. <i>purpurea</i> (Donald & A.B. Lau) Gertel wfo--0001284645 | 384 | <i>Sulcorebutia rauschii</i> G. Frank wfo--0001289780 | 380 |
| <i>Sulcorebutia mentosa</i> var. <i>santiaginiensis</i> (Rausch) Gertel wfo--0001284644 | 384 | <i>Sulcorebutia riograndensis</i> (F. Ritter) F.H. Brandt wfo--0000439438 | 385 |
| <i>Sulcorebutia mentosa</i> var. <i>swobodae</i> (K. Augustin) K. Augustin wfo--0001434227 | 384 | <i>Sulcorebutia ritteri</i> (F.H. Brandt) F. Ritter wfo--0001284661 | 380 |
| <i>Sulcorebutia mizquensis</i> Rausch wfo--0001262945 | 324 | <i>Sulcorebutia roberto-vasquezii</i> Diers & Krahn wfo--0001277014 | 382 |
| <i>Sulcorebutia multispina</i> (F. Ritter) F.H. Brandt wfo--0000439444 | 385 | <i>Sulcorebutia rubroaurea</i> (F.H. Brandt) Pilbeam wfo--0001284399 | 381 |
| <i>Sulcorebutia muschii</i> R. Vásquez wfo--0001247016 | 379 | <i>Sulcorebutia sanguineo-tarijensis</i> (F.H. Brandt) Pilbeam wfo--0000439442 | 386 |
| <i>Sulcorebutia naunacaensis</i> J. de Vries wfo--0001284668 | 381 | <i>Sulcorebutia santiaginiensis</i> Rausch wfo--0001247021 | 386 |
| <i>Sulcorebutia neocorroana</i> F.H. Brandt wfo--0000439445 | 385 | <i>Sulcorebutia sedae</i> Heřtus, Horáček & Kunte wfo--0001434237 | 384 |
| <i>Sulcorebutia neocumingii</i> (Backeb.) F.H. Brandt wfo--0000439446 | 384 | <i>Sulcorebutia slabana</i> Horáček wfo--0001434238 | 381 |
| <i>Sulcorebutia neumanniana</i> (Backeb.) F.H. Brandt wfo--0000439447 | 382 | <i>Sulcorebutia sormae</i> Heřtus, Horáček & Slaba wfo--0000750190 | 379 |
| <i>Sulcorebutia nigrofuscata</i> (F.H. Brandt) Pilbeam wfo--0001284422 | 324 | <i>Sulcorebutia steinbachii</i> (Werderm.) Backeb. wfo--0001247022 | 323, 378 |
| <i>Sulcorebutia oenantha</i> Rausch wfo--0001247017 | 324 | <i>Sulcorebutia steinbachii</i> f. <i>bicolorispina</i> Gertel wfo--0001434239 | 325 |
| <i>Sulcorebutia oenantha</i> var. <i>pampagrandensis</i> (Rausch) K. Augustin & Gertel wfo--0001262946 | 324 | <i>Sulcorebutia steinbachii</i> f. <i>violaciflora</i> (Backeb.) Sída wfo--0001434240 | 323 |
| <i>Sulcorebutia oligacantha</i> (F.H. Brandt) Pilbeam wfo--0000439450 | 386 | <i>Sulcorebutia steinbachii</i> subsp. <i>kruegerae</i> (Cárdenas) Fritz, Gertel & J. de Vries wfo--0001284584 | 383 |
| <i>Sulcorebutia pampagrandensis</i> Rausch wfo--0001247018 | 324 | | |
| <i>Sulcorebutia pasopayana</i> (F.H. Brandt) Gertel wfo--0001262948 | 381 | | |
| <i>Sulcorebutia perplexiflora</i> (F.H. Brandt) Gertel wfo--0001262903 | 380 | | |

| | | | |
|--|-----|--|-----|
| <i>Sulcorebutia steinbachii</i> subsp. <i>markusii</i> (Rausch) Gertel & J.de Vries wfo--0001434241..... | 383 | <i>Sulcorebutia tarabucoensis</i> subsp. <i>lindae</i> Halda, Heřtus & Horáček wfo--0001434263 | 381 |
| <i>Sulcorebutia steinbachii</i> subsp. <i>verticillacantha</i> (F.Ritter) Fritz, Gertel & J.de Vries wfo--0001434242 | 325 | <i>Sulcorebutia tarabucoensis</i> subsp. <i>pasopayana</i> (F.H.Brandt) Gertel wfo--0001284685 | 381 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>angustinii</i> Gertel wfo--0001434955..... | 384 | <i>Sulcorebutia tarabucoensis</i> subsp. <i>patriciae</i> B.Bates, Halda, Heřtus & Horáček wfo--0001434264 | 381 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>longiseta</i> (Cárdenas) Gertel wfo--0001434243 | 386 | <i>Sulcorebutia tarabucoensis</i> subsp. <i>rauschii</i> (G.Frank) Halda & Malina wfo--0001434265 | 380 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>oenantha</i> Gertel wfo--0001434244..... | 325 | <i>Sulcorebutia tarabucoensis</i> var. <i>aureiflora</i> (Rausch) K.Augustin & Gertel wfo--0001434266 | 380 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>pampagrandensis</i> Gertel wfo--0001434245 | 325 | <i>Sulcorebutia tarabucoensis</i> var. <i>callecallisensis</i> (F.H.Brandt) K.Augustin & Gertel wfo--0001262976..... | 380 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>polymorpha</i> (Cárdenas) Gertel wfo--0001434246 | 324 | <i>Sulcorebutia tarabucoensis</i> var. <i>tarabucoensis</i> wfo--0001262975 | 380 |
| <i>Sulcorebutia steinbachii</i> subvar. <i>totorensis</i> Gertel wfo--0001434247..... | 325 | <i>Sulcorebutia taratensis</i> (Cárdenas) Buining & Donald wfo--0001262997 | 323 |
| <i>Sulcorebutia steinbachii</i> var. <i>australis</i> Rausch wfo--0001247023..... | 324 | <i>Sulcorebutia taratensis</i> var. <i>minima</i> Rausch wfo--0001262998 | 324 |
| <i>Sulcorebutia steinbachii</i> var. <i>gracilior</i> Backeb. wfo--0001434248..... | 324 | <i>Sulcorebutia tarijensis</i> F.Ritter wfo--0001247025 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>hoffmannii</i> Fritz, Gertel & J.de Vries wfo--0001434249 | 325 | <i>Sulcorebutia tarijensis</i> subsp. <i>carichimayuensis</i> K.Augustin wfo--0001434267 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>horrida</i> Rausch wfo--0001434250..... | 324 | <i>Sulcorebutia tarijensis</i> subsp. <i>samaensis</i> K.Augustin wfo--0001434268 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>krahnii</i> Gertel wfo--0001434251..... | 325 | <i>Sulcorebutia tarvitaensis</i> Gertel & P.Lechner wfo--0000510411 | 382 |
| <i>Sulcorebutia steinbachii</i> var. <i>kruegerae</i> (Cárdenas) Fritz, Gertel & J.de Vries wfo--0001284623 | 383 | <i>Sulcorebutia tiraquensis</i> (Cárdenas) F.Ritter wfo--0001262979 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>lepida</i> Gertel wfo--0001434252..... | 325 | <i>Sulcorebutia tiraquensis</i> subsp. <i>krahnii</i> (Rausch) Gertel & J.de Vries wfo--0001434269 | 324 |
| <i>Sulcorebutia steinbachii</i> var. <i>markusii</i> (Rausch) Fritz, Gertel & J.de Vries wfo--0001434956 | 383 | <i>Sulcorebutia tiraquensis</i> subsp. <i>mariana</i> (H.Swoboda) Gertel & J.de Vries wfo--0001434270..... | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>mizquiensis</i> (Rausch) Gertel & J.de Vries wfo--0001434253 | 324 | <i>Sulcorebutia tiraquensis</i> subsp. <i>tiraquensis</i> wfo--0001284607 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>polymorpha</i> (Cárdenas) Pilbeam, Sulcorebutia & Weingartia wfo--0001434254 | 324 | <i>Sulcorebutia tiraquensis</i> subsp. <i>totorensis</i> (Cárdenas) Gertel & J.de Vries wfo--0001434958..... | 383 |
| <i>Sulcorebutia steinbachii</i> var. <i>rosiflora</i> Backer wfo--0001434957..... | 325 | <i>Sulcorebutia tiraquensis</i> var. <i>aglaia</i> (F.H.Brandt) Sída wfo--0001434271 | 324 |
| <i>Sulcorebutia steinbachii</i> var. <i>steinbachii</i> wfo--0001262960 | 325 | <i>Sulcorebutia tiraquensis</i> var. <i>aguilarii</i> K.Augustin & Gertel wfo--0001434272 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>taratensis</i> (Cárdenas) Fritz, Gertel & J.de Vries wfo--0001434255 | 323 | <i>Sulcorebutia tiraquensis</i> var. <i>augustinii</i> (Hentschel) Gertel & J.de Vries wfo--0001434273..... | 384 |
| <i>Sulcorebutia steinbachii</i> var. <i>tintiniensis</i> (Gertel) Gertel & J.de Vries wfo--0001434256..... | 384 | <i>Sulcorebutia tiraquensis</i> var. <i>australis</i> (Rausch) Gertel & J.de Vries wfo--0001434274 | 324 |
| <i>Sulcorebutia steinbachii</i> var. <i>totorensis</i> Gertel wfo--0001434257..... | 325 | <i>Sulcorebutia tiraquensis</i> var. <i>electracantha</i> Backeb. wfo--0001434275 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>tunariensis</i> (Cárdenas) K.Augustin & Gertel wfo--0001434258 | 324 | <i>Sulcorebutia tiraquensis</i> var. <i>huanacuniensis</i> Gertel wfo--0001434276 | 386 |
| <i>Sulcorebutia steinbachii</i> var. <i>verticillacantha</i> (F.Ritter) Fritz, Gertel & J.de Vries wfo--0001434259 | 325 | <i>Sulcorebutia tiraquensis</i> var. <i>laui</i> (Brederoo & Donald) Gertel & J.de Vries wfo--0001434277 | 325 |
| <i>Sulcorebutia steinbachii</i> var. <i>violaciflora</i> Backeb. wfo--0001434260..... | 323 | <i>Sulcorebutia tiraquensis</i> var. <i>lepida</i> (F.Ritter) K.Augustin & Gertel wfo--0001434278 | 323 |
| <i>Sulcorebutia sucrensis</i> (F.Ritter) F.H.Brandt wfo--0000439399..... | 385 | <i>Sulcorebutia tiraquensis</i> var. <i>longiseta</i> (Cárdenas) Donald wfo--0001434279 | 386 |
| <i>Sulcorebutia swoboda</i> K.Augustin wfo--0001262943..... | 384 | <i>Sulcorebutia tiraquensis</i> var. <i>oenantha</i> (Rausch) Gertel & J.de Vries wfo--0001434280 | 324 |
| <i>Sulcorebutia tarabucoensis</i> Rausch wfo--0001262972 | 380 | <i>Sulcorebutia tiraquensis</i> var. <i>renatae</i> Hentschel & S.Beck wfo--0001434281 | 386 |
| <i>Sulcorebutia tarabucoensis</i> subsp. <i>aureiflora</i> (Rausch) Horáček wfo--0001434261..... | 380 | <i>Sulcorebutia tiraquensis</i> var. <i>tiraquensis</i> wfo--0001262980 | 386 |
| <i>Sulcorebutia tarabucoensis</i> subsp. <i>hertusii</i> (Halda & Horáček) Gertel & R.Wahl wfo--0001434262..... | 382 | <i>Sulcorebutia tiraquensis</i> var. <i>totorensis</i> (Cárdenas) K.Augustin & Gertel wfo--0001434959..... | 323 |

| | | | |
|---|-----|--|---------|
| <i>Sulcorebutia toroterensis</i> (Cárdenas) Brederoo & Donald wfo--0000442120..... | 383 | <i>Sulcorebutia verticillacantha</i> var. <i>verticosior</i> F.Ritter wfo-- 0001284660..... | 380 |
| <i>Sulcorebutia torotorensis</i> (Cárdenas) F.H.Brandt wfo-- 0001262992..... | 383 | <i>Sulcorebutia vilcayensis</i> (Cárdenas) F.H.Brandt wfo-- 0000439296..... | 387 |
| <i>Sulcorebutia totoralensis</i> (F.H.Brandt) Pilbeam wfo-- 0000439284..... | 324 | <i>Sulcorebutia viridis</i> P.Lechner & A.Draxler wfo-- 0001038998..... | 382 |
| <i>Sulcorebutia totorensis</i> (Cárdenas) F.Ritter wfo-- 0001262988..... | 323 | <i>Sulcorebutia vizcarrae</i> (Cárdenas) Donald wfo-- 0001263011..... | 324 |
| <i>Sulcorebutia totorensis</i> var. <i>lepida</i> (F.Ritter) Pilbeam, Sulcorebutia & Weingartia wfo--0001434282..... | 323 | <i>Sulcorebutia vizcarrae</i> var. <i>laui</i> Brederoo & Donald wfo-- 0001246304..... | 325 |
| <i>Sulcorebutia trojapampensis</i> Gertel & Jucker wfo-- 0001434283..... | 383 | <i>Sulcorebutia vorwerkii</i> (Frič) F.H.Brandt wfo--0000439297 | 255 |
| <i>Sulcorebutia tuberculato-chrysantha</i> (Cárdenas) Brederoo & Donald wfo--0001262965..... | 324 | <i>Sulcorebutia westii</i> (Hutchison) F.H.Brandt wfo-- 0000439298..... | 387 |
| <i>Sulcorebutia tunariensis</i> (Cárdenas) Backeb. wfo-- 0000439280..... | 324 | <i>Sulcorebutia xanthoantha</i> Backeb. wfo--0001262901.. | 379 |
| <i>Sulcorebutia tunariensis</i> (Cárdenas) Buining & Donald wfo- --0000439279..... | 324 | <i>Sulcorebutia zavaletae</i> (Cárdenas) Backeb. wfo-- 0001288670..... | 380 |
| <i>Sulcorebutia unguispina</i> Rausch wfo--0001247026..... | 386 | <i>Tacinga xflammea</i> J.G.Freitas & E.M.Almeida wfo-- 0001434292..... | 361 |
| <i>Sulcorebutia vargasii</i> Diers & Krahn wfo--0001277695..... | 382 | <i>Tacinga xquipa</i> (F.A.C.Weber) N.P.Taylor & Stuppy wfo-- 0000407691..... | 361 |
| <i>Sulcorebutia vargasii</i> var. <i>viridissima</i> Diers & Krahn wfo-- 0001434284..... | 382 | <i>Tacinga armata</i> J.G.Freitas & E.M.Almeida wfo-- 0001434293..... | 361 |
| <i>Sulcorebutia vasqueziana</i> Rausch wfo--0001247027..... | 386 | <i>Tacinga atropurpurea</i> var. <i>zehntnerioides</i> Backeb. wfo-- 0001434294..... | 361 |
| <i>Sulcorebutia vasqueziana</i> subsp. <i>alba</i> (Rausch) Fritz & Gertel wfo--0001434285..... | 380 | <i>Tacinga atropurpurea</i> Werderm. wfo--0000407707..... | 361 |
| <i>Sulcorebutia vasqueziana</i> subsp. <i>chatajillensis</i> (Oeser & Brederoo) Gertel & Šída wfo--0001434286..... | 381 | <i>Tacinga braunii</i> Esteves wfo--0000407692..... | 361 |
| <i>Sulcorebutia vasqueziana</i> subsp. <i>losenickyana</i> (Rausch) Gertel & Šída wfo--0001434287..... | 380 | <i>Tacinga</i> Britton & Rose wfo--4000037411..... | 33, 361 |
| <i>Sulcorebutia vasqueziana</i> subsp. <i>pedroensis</i> Halda, Heřtus & Horáček wfo--0001434288..... | 381 | <i>Tacinga estevesii</i> (P.J.Braun) P.J.Braun wfo--0001434295 | 361 |
| <i>Sulcorebutia vasqueziana</i> var. <i>albspina</i> Rausch wfo-- 0001262933..... | 380 | <i>Tacinga funalis</i> Britton & Rose wfo--0001254401..... | 361 |
| <i>Sulcorebutia vasqueziana</i> var. <i>losenickyana</i> (Rausch) Šída wfo--0001434289..... | 380 | <i>Tacinga funalis</i> subsp. <i>atropurpurea</i> (Werderm.) P.J.Braun & Esteves wfo--0001434296..... | 361 |
| <i>Sulcorebutia veronikae</i> Halda, Heřtus & Horáček wfo-- 0001284596..... | 325 | <i>Tacinga funalis</i> var. <i>atropurpurea</i> (Werderm.) P.J.Braun & Esteves wfo--0001434297..... | 361 |
| <i>Sulcorebutia verticillacantha</i> f. <i>brevispina</i> (F.H.Brandt) Pilbeam ex Rausch wfo--0001262902..... | 380 | <i>Tacinga gladispina</i> J.G.Freitas & E.M.Almeida wfo-- 0001434298..... | 361 |
| <i>Sulcorebutia verticillacantha</i> F.Ritter wfo--0001247029 | 325 | <i>Tacinga inamoena</i> (K.Schum.) N.P.Taylor & Stuppy wfo-- 0000407694..... | 361 |
| <i>Sulcorebutia verticillacantha</i> subsp. <i>cuprea</i> (Rausch) Slaba wfo--0001434290..... | 380 | <i>Tacinga inamoena</i> subsp. <i>subcylindrica</i> M.Machado & N.P.Taylor wfo--0000415027..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>albispina</i> (Rausch) Pilbeam wfo--0001284657..... | 380 | <i>Tacinga lilae</i> (Trujillo & Marisela Ponce) Majure & R.Puente wfo--0001434299..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>applanata</i> Donald & Krahn wfo--0001247030..... | 380 | <i>Tacinga palmadora</i> (Britton & Rose) N.P.Taylor & Stuppy wfo--0000407695..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>aureiflora</i> Rausch wfo-- 0001247031..... | 380 | <i>Tacinga saxatilis</i> (F.Ritter) N.P.Taylor & Stuppy wfo-- 0000407697..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>chatajillensis</i> Oeser & Brederoo wfo--0001247032..... | 381 | <i>Tacinga saxatilis</i> subsp. <i>estevesii</i> (P.J.Braun) N.P.Taylor & Stuppy wfo--0001434300..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>cuprea</i> Rausch wfo-- 0001434291..... | 380 | <i>Tacinga saxatilis</i> subsp. <i>minutispina</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001434301..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>losenickyana</i> (Rausch) Oeser wfo--0001284658..... | 380 | <i>Tacinga saxatilis</i> subsp. <i>occibahiensis</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001434302..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>minima</i> (Rausch) Pilbeam wfo--0001263001..... | 324 | <i>Tacinga saxatilis</i> subsp. <i>pomosa</i> (P.J.Braun & Esteves) P.J.Braun & Esteves wfo--0001434303..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>ritteri</i> (F.H.Brandt) Donald & Krahn wfo--0001263013..... | 380 | <i>Tacinga saxatilis</i> subsp. <i>saxatilis</i> wfo--0001434960..... | 361 |
| <i>Sulcorebutia verticillacantha</i> var. <i>taratensis</i> (Cárdenas) K.Augustin & Gertel wfo--0001262996..... | 323 | <i>Tacinga subcylindrica</i> M.Machado & N.P.Taylor wfo-- 0000750238..... | 361 |
| | | <i>Tacinga wernerii</i> (Eggl) N.P.Taylor & Stuppy wfo-- 0000407698..... | 361 |
| | | <i>Tacinga zehntneri</i> Backeb. & Voll wfo--0000407699..... | 361 |
| | | <i>Tephrocactus albiscoparius</i> Backeb. wfo--0001284299.. | 70 |

| | |
|---|---|
| <i>Tephrocactus alboareolatus</i> F.Ritter wfo--0001287768.. 72 | <i>Tephrocactus bicolor</i> (Rauh & Backeb.) Rauh wfo-- |
| <i>Tephrocactus alexanderi</i> (Britton & Rose) Backeb. wfo-- | 0001287516 69 |
| 0001289332 362 | <i>Tephrocactus blancii</i> Backeb. wfo--0001287513 17 |
| <i>Tephrocactus alexanderi</i> subsp. <i>geometricus</i> (A.Cast.) | <i>Tephrocactus bolivianus</i> (Salm-Dyck) Kreuz. wfo-- |
| Guiggi wfo--0001434304 363 | 0001284536 69 |
| <i>Tephrocactus alexanderi</i> subvar. <i>brachyacanthus</i> (Speg.) | <i>Tephrocactus bonnieae</i> (D.J.Ferguson & R.Kiesling) Stuppy |
| Backeb. wfo--0001434305 362 | wfo--0000407727 363 |
| <i>Tephrocactus alexanderi</i> subvar. <i>macranthus</i> (Speg.) | <i>Tephrocactus bruchii</i> (Speg.) Backeb. wfo--0000407729 |
| Backeb. wfo--0001434306 362 | 362 |
| <i>Tephrocactus alexanderi</i> var. <i>bruchii</i> (Speg.) Backeb. wfo-- | <i>Tephrocactus bruchii</i> f. <i>brachyacanthus</i> Speg. wfo-- |
| 0001434307 362 | 0001434325 362 |
| <i>Tephrocactus alexanderi</i> var. <i>subsphaericus</i> (Backeb.) | <i>Tephrocactus bruchii</i> Speg. wfo--0000415103 362 |
| Backeb. wfo--0001434308 362 | <i>Tephrocactus bruchii</i> subvar. <i>macracantha</i> (Speg.) Backeb. |
| <i>Tephrocactus andicola</i> (Pfeiff.) Lem. wfo--0001434309 196 | wfo--0001434326 362 |
| <i>Tephrocactus andicolus</i> (Pfeiff.) Lem. wfo--0000407714 | <i>Tephrocactus calvus</i> (Lem.) Lem. wfo--0000407719 363 |
| 196 | <i>Tephrocactus camachoii</i> (Espinosa) Backeb. wfo-- |
| <i>Tephrocactus aoracanthus</i> Lem. wfo--0001289276 362 | 0001287298 195 |
| <i>Tephrocactus aoracanthus</i> var. <i>paediophilus</i> (A.Cast.) | <i>Tephrocactus campestris</i> (Britton & Rose) Backeb. wfo-- |
| J.G.Lamb. wfo--0001434310 363 | 0001289217 71 |
| <i>Tephrocactus archiconoideus</i> (F.Ritter) G.D.Rowley wfo-- | <i>Tephrocactus catacanthus</i> Backeb. wfo--0000407717 ... 69 |
| 0000510493 195 | <i>Tephrocactus chichensis</i> Cárdenas wfo--0001288165 70 |
| <i>Tephrocactus articulatus</i> (Pfeiff.) Backeb. wfo-- | <i>Tephrocactus chichensis</i> var. <i>colchanus</i> Cárdenas wfo-- |
| 0001038965 362 | 0001288166 70 |
| <i>Tephrocactus articulatus</i> f. <i>papyracanthus</i> (Phil.) Guiggi & | <i>Tephrocactus chilensis</i> Backeb. wfo--0000407718 196 |
| Verloove wfo--0001434311 363 | <i>Tephrocactus clavarioides</i> (Pfeiff.) G.D.Rowley wfo-- |
| <i>Tephrocactus articulatus</i> f. <i>syringacanthus</i> (Pfeiff.) F.Ritter | 0000510495 195 |
| wfo--0001434312 362 | <i>Tephrocactus coloreus</i> F.Ritter ex Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>articulatus</i> wfo-- | 0001252365 195 |
| 0001434961 363 | <i>Tephrocactus conoideus</i> F.Ritter ex Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>calvus</i> (Lem.) Backeb. wfo-- | 0001287299 195 |
| 0001434313 363 | <i>Tephrocactus corotilla</i> (K.Schum. ex Vaupel) Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>diadematus</i> (Lem.) Backeb. | 0001287518 70 |
| wfo--0001434314 362 | <i>Tephrocactus corotilla</i> var. <i>aurantiaciflorus</i> Rauh & |
| <i>Tephrocactus articulatus</i> var. <i>inermis</i> (Speg.) Backeb. wfo-- | Backeb. wfo--0001287519 70 |
| -0001434315 363 | <i>Tephrocactus corrugatus</i> (Salm-Dyck) Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>oligacanthus</i> (Speg.) Backeb. | 0000407716 7 |
| wfo--0001434316 196 | <i>Tephrocactus corrugatus</i> (Salm-Dyck) Kreuz. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>oligocanthus</i> (Speg.) Backeb. | 0001434327 7 |
| wfo--0001289351 363 | <i>Tephrocactus crassicylindricus</i> Rauh & Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>ovatus</i> (Pfeiff.) Backeb. wfo-- | 0001287494 72 |
| -0001434317 197 | <i>Tephrocactus crispicrinitus</i> Rauh & Backeb. wfo-- |
| <i>Tephrocactus articulatus</i> var. <i>papyracanthus</i> (Phil.) | 0001287506 18 |
| Backeb. wfo--0001434318 363 | <i>Tephrocactus crispicrinitus</i> subvar. <i>flavicomus</i> Rauh & |
| <i>Tephrocactus articulatus</i> var. <i>polyacanthus</i> (Speg.) Backeb. | Backeb. wfo--0001434328 17 |
| wfo--0001434319 363 | <i>Tephrocactus crispicrinitus</i> var. <i>cylindraceus</i> Rauh & |
| <i>Tephrocactus articulatus</i> var. <i>strobiliformis</i> Backeb. wfo-- | Backeb. wfo--0001287507 18 |
| 0001434962 363 | <i>Tephrocactus crispicrinitus</i> var. <i>tortispinus</i> Rauh & Backeb. |
| <i>Tephrocactus articulatus</i> var. <i>syringacanthus</i> (Pfeiff.) | wfo--0001434329 17 |
| Backeb. wfo--0001434320 362 | <i>Tephrocactus curvispinus</i> Backeb. wfo--0000407721 69 |
| <i>Tephrocactus asplundii</i> Backeb. wfo--0001284337 69 | <i>Tephrocactus cylindrarticulatus</i> Cárdenas wfo-- |
| <i>Tephrocactus atacamensis</i> (Phil.) Backeb. wfo-- | 0001288167 70 |
| 0000407726 195 | <i>Tephrocactus cylindrolanatus</i> Rauh & Backeb. wfo-- |
| <i>Tephrocactus atacamensis</i> var. <i>chilensis</i> (Backeb.) Backeb. | 0001287504 18 |
| wfo--0001434321 196 | <i>Tephrocactus dactylifer</i> (Vaupel) Backeb. wfo-- |
| <i>Tephrocactus atroglobosus</i> Backeb. wfo--0000407723 363 | 0001289216 70 |
| <i>Tephrocactus atroviridis</i> Backeb. wfo--0001287509 17 | <i>Tephrocactus dactyliferus</i> (Vaupel) Backeb. wfo-- |
| <i>Tephrocactus atroviridis</i> var. <i>longicylindricus</i> Rauh & | 0000415106 70 |
| Backeb. wfo--0001434322 18 | <i>Tephrocactus darwinii</i> (Hensl.) Backeb. wfo--0000407724 |
| <i>Tephrocactus atroviridis</i> var. <i>parviflorus</i> Rauh & Backeb. | 195 |
| wfo--0001434323 18 | <i>Tephrocactus diademata</i> (Lem.) Lem. wfo--0001039003 |
| <i>Tephrocactus atroviridis</i> var. <i>paucispina</i> Rauh & Backeb. | 362 |
| wfo--0001434324 18 | |

| | |
|--|--|
| <i>Tephrocactus diadematus</i> (Lem.) Lem. wfo--0001434330 362 | <i>Tephrocactus hickenii</i> (Britton & Rose) Speg. wfo-- 0000407677 196 |
| <i>Tephrocactus diadematus</i> var. <i>calvus</i> (Lem.) Backeb. wfo-- 0001434331..... 363 | <i>Tephrocactus hirschii</i> Backeb. wfo--0001287511 18 |
| <i>Tephrocactus dimorphus</i> (C.F.Först.) Backeb. wfo-- 0001287300..... 71 | <i>Tephrocactus hossei</i> Krainz & Gräser wfo--0000415100 362 |
| <i>Tephrocactus dimorphus</i> var. <i>pseudorauppianus</i> (Backeb.) Backeb. wfo--0001434332 71 | <i>Tephrocactus hypogaeus</i> (Werderm.) Backeb. wfo-- 0001284010 196 |
| <i>Tephrocactus duvalioides</i> Backeb. wfo--0000407672 70 | <i>Tephrocactus ignescens</i> (Vaupel) Backeb. wfo-- 0001287304 70 |
| <i>Tephrocactus duvalioides</i> var. <i>albispinus</i> Backeb. wfo-- 0001434333..... 70 | <i>Tephrocactus ignescens</i> var. <i>steinianus</i> Backeb. wfo-- 0001434344 70 |
| <i>Tephrocactus echinaceus</i> F.Ritter wfo--0001287301 70 | <i>Tephrocactus ignotus</i> (Britton & Rose) Backeb. wfo-- 0001287520 70 |
| <i>Tephrocactus erectocladus</i> (Backeb.) G.D.Rowley wfo-- 0000510496..... 8 | <i>Tephrocactus inermis</i> (Speg.) Backeb. wfo--0000407666 363 |
| <i>Tephrocactus ferocior</i> Backeb. wfo--0001264583 70 | <i>Tephrocactus kuehnrichianus</i> (Werderm. & Backeb.) Backeb. wfo--0001287491 71 |
| <i>Tephrocactus flexispinus</i> Backeb. wfo--0000407674 69 | <i>Tephrocactus kuehnrichianus</i> (Werderm. & Backeb.) Backeb. wfo--0001434345 71 |
| <i>Tephrocactus flexuosus</i> Backeb. wfo--0001245823 362 | <i>Tephrocactus kuehnrichianus</i> var. <i>applanatus</i> (Werderm. & Backeb.) Backeb. wfo--0001434346 71 |
| <i>Tephrocactus floccosus</i> (Salm-Dyck) Backeb. wfo-- 0001287495..... 17 | <i>Tephrocactus lagopus</i> (K.Schum.) Backeb. wfo-- 0001287498 318 |
| <i>Tephrocactus floccosus</i> subvar. <i>aurescens</i> Rauh & Backeb. wfo--0001434334 17 | <i>Tephrocactus lagopus</i> subvar. <i>brachycarpus</i> Rauh & Backeb. wfo--0001434347 318 |
| <i>Tephrocactus floccosus</i> var. <i>canispinus</i> Rauh & Backeb. wfo--0001434335 17 | <i>Tephrocactus lagopus</i> var. <i>aureo-penicillatus</i> Rauh & Backeb. wfo--0001287500 318 |
| <i>Tephrocactus floccosus</i> var. <i>crassior</i> Backeb. wfo-- 0001287496 18 | <i>Tephrocactus lagopus</i> var. <i>aureopenicillatus</i> Rauh & Backeb. wfo--0001434348 18 |
| <i>Tephrocactus floccosus</i> var. <i>denudatus</i> (F.A.C.Weber) Backeb. wfo--0001434336 17 | <i>Tephrocactus lagopus</i> var. <i>aureus</i> Rauh & Backeb. wfo-- 0001287501 318 |
| <i>Tephrocactus floccosus</i> var. <i>lagopus</i> (K.Schum.) F.Ritter wfo--0001434337 318 | <i>Tephrocactus lagopus</i> var. <i>leucolagopus</i> Rauh & Backeb. wfo--0001289221 318 |
| <i>Tephrocactus floccosus</i> var. <i>lapopus</i> (K.Schum.) F.Ritter wfo--0001289220 318 | <i>Tephrocactus lagopus</i> var. <i>pachycladus</i> Rauh & Backeb. wfo--0001287499 318 |
| <i>Tephrocactus floccosus</i> var. <i>ovoides</i> Rauh & Backeb. wfo-- 0001287497..... 18 | <i>Tephrocactus Lem.</i> wfo--4000037772 362 |
| <i>Tephrocactus fulvicomus</i> Rauh & Backeb. wfo-- 0001287514..... 69 | <i>Tephrocactus leoncito</i> (Werderm.) Backeb. wfo-- 0001289304 196 |
| <i>Tephrocactus fulvicomus</i> var. <i>bicolor</i> Rauh & Backeb. wfo-- -0001287517 69 | <i>Tephrocactus leoninus</i> (F.Haage & E.Schmidt ex Rümpler) Backeb. wfo--0001287305 71 |
| <i>Tephrocactus geometricus</i> (A.Cast.) Backeb. wfo-- 0001289338..... 363 | <i>Tephrocactus longiarticulatus</i> Backeb. wfo--0000407667 70 |
| <i>Tephrocactus glomeratus</i> (Haw.) Backeb. wfo-- 0001287302..... 196 | <i>Tephrocactus malyanus</i> Rausch wfo--0001289160 318 |
| <i>Tephrocactus glomeratus</i> var. <i>andicola</i> (Pfeiff.) Backeb. wfo--0001434338..... 196 | <i>Tephrocactus mandragora</i> Backeb. wfo--0001289309. 196 |
| <i>Tephrocactus glomeratus</i> var. <i>atratispinus</i> Backeb. wfo-- 0001434339..... 196 | <i>Tephrocactus melanacanthus</i> Backeb. wfo--0000407669 69 |
| <i>Tephrocactus glomeratus</i> var. <i>fulvispinus</i> (Lem.) Backeb. wfo--0001434340..... 362 | <i>Tephrocactus microclados</i> Backeb. wfo--0001284338 ... 69 |
| <i>Tephrocactus glomeratus</i> var. <i>gracilior</i> (Salm-Dyck) Backeb. wfo--0001434341 196 | <i>Tephrocactus microdiscus</i> (F.A.C.Weber) G.D.Rowley wfo-- 0000510497 8 |
| <i>Tephrocactus glomeratus</i> var. <i>inermis</i> Speg. wfo-- 0000415099..... 363 | <i>Tephrocactus microsphaericus</i> Backeb. wfo--0000407670 362 |
| <i>Tephrocactus glomeratus</i> var. <i>longispinus</i> Backeb. wfo-- 0001434342..... 196 | <i>Tephrocactus minor</i> Backeb. wfo--0001284336 69 |
| <i>Tephrocactus glomeratus</i> var. <i>oligacanthus</i> Speg. wfo-- 0001434343..... 196 | <i>Tephrocactus minusculus</i> Backeb. wfo--0001245824 8 |
| <i>Tephrocactus halophilus</i> (Speg.) Backeb. wfo-- 0001289340..... 363 | <i>Tephrocactus minutus</i> Backeb. wfo--0001289361..... 196 |
| <i>Tephrocactus hegenbartianus</i> Backeb. wfo--0000407675 363 | <i>Tephrocactus mirus</i> Rauh & Backeb. wfo--0001287493 . 71 |
| <i>Tephrocactus heteromorphus</i> (Phil.) Backeb. wfo-- 0001287303..... 19 | <i>Tephrocactus mistienseis</i> Backeb. wfo--0001287521 70 |
| | <i>Tephrocactus molinensis</i> (Speg.) Backeb. wfo-- 0001289343 363 |
| | <i>Tephrocactus molinensis</i> var. <i>denudatus</i> (F.A.C.Weber) Backeb. wfo--0001434349 363 |
| | <i>Tephrocactus muellerianus</i> Backeb. wfo--0000407686 .. 71 |
| | <i>Tephrocactus multiareolatus</i> F.Ritter wfo--0001289161 71 |

| | | | |
|--|-----|---|-----|
| <i>Tephrocactus neoglomeratus</i> var. <i>andicola</i> (Pfeiff.) Y.Itô wfo--0001434350..... | 196 | <i>Tephrocactus pyrrohacanthus</i> var. <i>leucoluteus</i> Backeb. wfo-- -0001434364..... | 69 |
| <i>Tephrocactus neoglomeratus</i> var. <i>atratospinus</i> (Backeb.) Y.Itô wfo--0001434351..... | 196 | <i>Tephrocactus rarissimus</i> Backeb. wfo--0001245825 | 69 |
| <i>Tephrocactus neoglomeratus</i> var. <i>fulvispinus</i> (Lem.) Y.Itô wfo--0001434352..... | 362 | <i>Tephrocactus rauhii</i> Backeb. wfo--0001287508 | 18 |
| <i>Tephrocactus neoglomeratus</i> var. <i>gracilor</i> (Salm-Dyck) Y.Itô wfo--0001434353..... | 196 | <i>Tephrocactus rauppianus</i> (K.Schum.) Backeb. wfo-- 0000407682 | 71 |
| <i>Tephrocactus neoglomeratus</i> var. <i>longispinus</i> (Backeb.) Y.Itô wfo--0001434354..... | 196 | <i>Tephrocactus recurvatus</i> (Gilmer & H.P.Thomas) D.R.Hunt & Ritz wfo--0000750217 | 363 |
| <i>Tephrocactus neoglomeratus</i> Y.Itô wfo--0000407687 | 422 | <i>Tephrocactus reicheanus</i> (Espinosa) Backeb. wfo-- 0001287309 | 197 |
| <i>Tephrocactus neopentlandii</i> Y.Itô wfo--0000407690 | 422 | <i>Tephrocactus retrospinosus</i> Lem. ex C.F.Först. wfo-- 0001434365 | 8 |
| <i>Tephrocactus neuquensis</i> (Borg) Backeb. wfo-- 0001289345..... | 195 | <i>Tephrocactus retrospinosus</i> Lem. wfo--0000407702 | 8 |
| <i>Tephrocactus nigrispinus</i> (K.Schum.) Backeb. wfo-- 0001289313..... | 363 | <i>Tephrocactus retrospinosus</i> Lem. ex C.F.Först. wfo-- 0000407579 | 8 |
| <i>Tephrocactus nigrispinus</i> subsp. <i>atroglobosus</i> (Backeb. ex Guiggi & Pat.Palacios) M.Lowry wfo--0001434355 ... | 363 | <i>Tephrocactus riojanus</i> (Hosseus) Backeb. wfo-- 0000407487 | 362 |
| <i>Tephrocactus nigrispinus</i> subsp. <i>nigrispinus</i> wfo-- 0001434963..... | 363 | <i>Tephrocactus russellii</i> (Britton & Rose) Backeb. wfo-- 0001289318 | 196 |
| <i>Tephrocactus noodtiaae</i> Backeb. & H.Jacobsen wfo-- 0001287522..... | 70 | <i>Tephrocactus setiger</i> Backeb. wfo--0000407488..... | 364 |
| <i>Tephrocactus ovatus</i> (Pfeiff.) Backeb. wfo--0001287306 | 197 | <i>Tephrocactus setiger</i> f. <i>dispar</i> (A.Cast. & H.V.Lelong) G.Popov wfo--0001434366..... | 364 |
| <i>Tephrocactus paediophilus</i> (A.Cast.) F.Ritter wfo-- 0000407688..... | 363 | <i>Tephrocactus setiger</i> subsp. <i>deminutus</i> (Rausch) G.Popov wfo--0001434367 | 364 |
| <i>Tephrocactus parvisetus</i> Backeb. wfo--0001287307..... | 195 | <i>Tephrocactus silvestris</i> (Backeb.) Backeb. wfo-- 0001245826 | 8 |
| <i>Tephrocactus pentlandii</i> (Salm-Dyck) Backeb. wfo-- 0001287308..... | 69 | <i>Tephrocactus soehrensii</i> (Britton & Rose) G.D.Rowley wfo-- -0000510498 | 7 |
| <i>Tephrocactus pentlandii</i> var. <i>adpressus</i> Backeb. wfo-- 0001434356..... | 69 | <i>Tephrocactus sphaericus</i> (C.F.Först.) Backeb. wfo-- 0001287492 | 71 |
| <i>Tephrocactus pentlandii</i> var. <i>fuauxianus</i> Backeb. wfo-- 0001434357..... | 69 | <i>Tephrocactus sphaericus</i> var. <i>glaucinus</i> Backeb. wfo-- 0001434368 | 71 |
| <i>Tephrocactus pentlandii</i> var. <i>rossiana</i> Heinrich & Backeb. wfo--0001289211..... | 71 | <i>Tephrocactus sphaericus</i> var. <i>rauppianus</i> (K.Schum.) Backeb. wfo--0001289212 | 71 |
| <i>Tephrocactus pentlandii</i> var. <i>rossianus</i> Heinrich & Backeb. wfo--0001434358..... | 71 | <i>Tephrocactus sphaericus</i> var. <i>unguispinus</i> (Backeb.) Backeb. wfo--0001289215 | 71 |
| <i>Tephrocactus platyacanthus</i> (Pfeiff.) Lem. wfo-- 0000407678..... | 197 | <i>Tephrocactus staffordae</i> (Bullock) Backeb. wfo-- 0001289223 | 272 |
| <i>Tephrocactus platyacanthus</i> var. <i>angustispinus</i> Backeb. wfo--0001434359..... | 195 | <i>Tephrocactus staffordiae</i> (Bullock) Backeb. wfo-- 0001434369 | 71 |
| <i>Tephrocactus platyacanthus</i> var. <i>deflexispinus</i> (Salm-Dyck) Backeb. wfo--0001434360 | 195 | <i>Tephrocactus strobiliformis</i> (A.Berger) Backeb. wfo-- 0000407493 | 363 |
| <i>Tephrocactus platyacanthus</i> var. <i>monvillei</i> (Salm-Dyck) Backeb. wfo--0001434361 | 195 | <i>Tephrocactus subinermis</i> Backeb. wfo--0001245827 | 69 |
| <i>Tephrocactus platyacanthus</i> var. <i>neoplatyacanthus</i> Backeb. wfo--0001434362 | 195 | <i>Tephrocactus subsphaericus</i> Backeb. wfo--0000407486 | 362 |
| <i>Tephrocactus polyacanthus</i> Lem. ex C.F.Först. wfo-- 0000407679..... | 195 | <i>Tephrocactus subterraneus</i> (R.E.Fr.) Backeb. wfo-- 0001250953 | 72 |
| <i>Tephrocactus pseudorauppianus</i> Backeb. wfo-- 0000407684..... | 71 | <i>Tephrocactus tarapacanus</i> (Phil.) Backeb. wfo-- 0001287310 | 195 |
| <i>Tephrocactus pseudo-udonis</i> Rauh & Backeb. wfo-- 0001287503..... | 18 | <i>Tephrocactus tilcarensis</i> (Backeb.) G.D.Rowley wfo-- 0000510499 | 9 |
| <i>Tephrocactus pseudoudonis</i> Rauh & Backeb. wfo-- 0001434363..... | 18 | <i>Tephrocactus turpinii</i> (Lem.) Lem. wfo--0000407490 ... | 362 |
| <i>Tephrocactus pulcherrimus</i> Halda & Horáček wfo-- 0001284159..... | 72 | <i>Tephrocactus udonis</i> Backeb. wfo--0001287502 | 17 |
| <i>Tephrocactus punta-caillan</i> Rauh & Backeb. wfo-- 0001287512..... | 18 | <i>Tephrocactus unguispinus</i> (Backeb.) Backeb. wfo-- 0000410909 | 71 |
| <i>Tephrocactus pusillus</i> (Haw.) Lem. wfo--0000407681... 406 | | <i>Tephrocactus variiflorus</i> Backeb. wfo--0001284157..... | 72 |
| <i>Tephrocactus pyrrohacanthus</i> (K.Schum.) Backeb. wfo-- 0001289224..... | 69 | <i>Tephrocactus verschafteltii</i> (Cels ex F.A.C.Weber) D.R.Hunt & Ritz wfo--0000750231 | 364 |
| | | <i>Tephrocactus verticosus</i> Backeb. wfo--0001287505..... | 17 |
| | | <i>Tephrocactus virgultus</i> Backeb. wfo--0000410910..... | 69 |
| | | <i>Tephrocactus weberi</i> (Speg.) Backeb. wfo--0000410911 | 364 |

| | | | |
|---|-----|--|----------|
| <i>Tephrocactus weberi</i> var. <i>deminutus</i> Rausch wfo-- 0001434370..... | 364 | <i>Thelocactus conothele</i> var. <i>aurantiacus</i> Glass & R.A.Foster wfo--0001434384..... | 366 |
| <i>Tephrocactus weberi</i> var. <i>setiger</i> (Backeb.) Backeb. wfo-- 0001434371..... | 364 | <i>Thelocactus conothelos</i> (Regel & Klein bis) F.M.Knuth wfo-- -0001256527..... | 365 |
| <i>Tephrocactus weberi</i> var. <i>weberi</i> wfo--0001434964..... | 364 | <i>Thelocactus conothelos</i> subsp. <i>argenteus</i> (Glass & R.A.Foster) Glass wfo--0001256530..... | 365 |
| <i>Tephrocactus wilkeanus</i> Backeb. wfo--0001245828..... | 69 | <i>Thelocactus conothelos</i> subsp. <i>aurantiacus</i> (Glass & R.A.Foster) Glass wfo--0001256532..... | 366 |
| <i>Tephrocactus yanganucensis</i> Rauh & Backeb. wfo-- 0001287510..... | 18 | <i>Thelocactus conothelos</i> subsp. <i>conothelos</i> wfo-- 0001256528..... | 366 |
| <i>Tephrocactus zehnderi</i> Rauh & Backeb. wfo--0001287515 | 72 | <i>Thelocactus conothelos</i> subsp. <i>flavus</i> (Mosco & Zanov.) Mosco & Zanov. wfo--0001286322..... | 366 |
| <i>Terecaulis</i> Berge wfo--4000037790..... | 256 | <i>Thelocactus conothelos</i> subsp. <i>garciae</i> (Glass & Mend.- Garc.) Mosco & Zanov. wfo--0001286324..... | 366 |
| <i>Terecaulis curassavicus</i> (L.) Berge wfo--0001434372..... | 260 | <i>Thelocactus conothelos</i> var. <i>argenteus</i> Glass & R.A.Foster wfo--0001256529..... | 365 |
| <i>Terecaulis fragilis</i> (Nutt.) Berge wfo--0000415085..... | 264 | <i>Thelocactus conothelos</i> var. <i>aurantiacus</i> Glass & R.A.Foster wfo--0001256531..... | 366 |
| <i>Thelocactus</i> (K.Schum.) Britton & Rose wfo--4000038135 | 364 | <i>Thelocactus conothelos</i> var. <i>macdowellii</i> (Rebut ex Quehl) Glass & R.A.Foster wfo--0001434385..... | 367 |
| <i>Thelocactus xmirandus</i> Halda & Panar. wfo--0000415016 | 367 | <i>Thelocactus conothelos</i> var. <i>sniceri</i> Halda & Sladk. wfo-- 0001434386..... | 365 |
| <i>Thelocactus aguirreanus</i> (Glass & R.A.Foster) Bravo wfo-- 0001286210..... | 6 | <i>Thelocactus crassihamatus</i> (F.A.C.Weber) W.T.Marshall wfo--0001286193..... | 141 |
| <i>Thelocactus beguinii</i> N.P.Taylor wfo--0001289788..... | 319 | <i>Thelocactus dasyacanthus</i> (Engelm.) W.T.Marshall wfo-- 0001286153..... | 337 |
| <i>Thelocactus bicolor</i> (Galeotti ex Pfeiff.) Britton & Rose wfo-- -0001287169..... | 364 | <i>Thelocactus durangensis</i> (Runge) G.D.Rowley wfo-- 0001286180..... | 339 |
| <i>Thelocactus bicolor</i> subsp. <i>bicolor</i> wfo--0001256523..... | 365 | <i>Thelocactus ehrenbergii</i> (Pfeiff.) F.M.Knuth wfo-- 0001286328..... | 367 |
| <i>Thelocactus bicolor</i> subsp. <i>bolaensis</i> (Runge) Doweld wfo-- -0001286320..... | 365 | <i>Thelocactus erectocentrus</i> (J.M.Coult.) W.T.Marshall wfo-- 0000407482..... | 337 |
| <i>Thelocactus bicolor</i> subsp. <i>commodus</i> (R.Haas) Doweld wfo--0001434373..... | 365 | <i>Thelocactus flavidispinus</i> (Backeb.) Backeb. wfo-- 0000407484..... | 365 |
| <i>Thelocactus bicolor</i> subsp. <i>flavidispinus</i> (Backeb.) N.P.Taylor wfo--0001256524..... | 365 | <i>Thelocactus flavus</i> Mosco & Zanov. wfo--0001286323..... | 366 |
| <i>Thelocactus bicolor</i> subsp. <i>heterochromus</i> (F.A.C.Weber) Mosco & Zanov. wfo--0001434374..... | 365 | <i>Thelocactus fossulatus</i> (Scheidw.) Britton & Rose wfo-- 0001257627..... | 366 |
| <i>Thelocactus bicolor</i> subsp. <i>schwarzii</i> (Backeb.) N.P.Taylor wfo--0001256525..... | 365 | <i>Thelocactus garciae</i> Glass & Mend.-Garc. wfo-- 0001256533..... | 366 |
| <i>Thelocactus bicolor</i> subsp. <i>swoboda</i> Halda & Horáček wfo--0001434375..... | 365 | <i>Thelocactus gielsdorfianus</i> (Werderm.) Borg wfo-- 0000407498..... | 372 |
| <i>Thelocactus bicolor</i> subsp. <i>zwakii</i> Chvastek & Halda wfo-- 0001434376..... | 365 | <i>Thelocactus gielsdorfianus</i> (Werderm.) W.T.Marshall wfo-- -0000407491..... | 372 |
| <i>Thelocactus bicolor</i> var. <i>bolaensis</i> (Runge) A.Berger wfo-- 0001286321..... | 365 | <i>Thelocactus goldii</i> Bravo wfo--0001258257..... | 172 |
| <i>Thelocactus bicolor</i> var. <i>commodus</i> R.Haas wfo-- 0001434377..... | 365 | <i>Thelocactus hastifer</i> (Werderm. & Boed.) F.M.Knuth wfo-- 0001256534..... | 366 |
| <i>Thelocactus bicolor</i> var. <i>flavidispinus</i> Backeb. wfo-- 0001287170..... | 365 | <i>Thelocactus hertrichii</i> (Weing.) Borg wfo--0000407500..... | 137 |
| <i>Thelocactus bicolor</i> var. <i>pottsii</i> (Salm-Dyck) Backeb. wfo-- 0001220364..... | 142 | <i>Thelocactus heterochromus</i> (F.A.C.Weber) Oosten wfo-- 0001256535..... | 365 |
| <i>Thelocactus bicolor</i> var. <i>schottii</i> (Engelm.) Krainz wfo-- 0001287171..... | 364 | <i>Thelocactus hexaedrophorus</i> (Lem.) Britton & Rose wfo-- 0001234691..... | 364, 366 |
| <i>Thelocactus bicolor</i> var. <i>schwarzii</i> (Backeb.) E.F.Anderson wfo--0001434378..... | 365 | <i>Thelocactus hexaedrophorus</i> subsp. <i>francii</i> Halda & Sladk. wfo--0001434387..... | 366 |
| <i>Thelocactus bicolor</i> var. <i>texasensis</i> Backeb. wfo-- 0001434379..... | 365 | <i>Thelocactus hexaedrophorus</i> subsp. <i>hexaedrophorus</i> wfo-- -0001256536..... | 366 |
| <i>Thelocactus bicolor</i> var. <i>tricolor</i> (K.Schum.) F.M.Knuth wfo-- -0001434380..... | 364 | <i>Thelocactus hexaedrophorus</i> subsp. <i>jarmilae</i> Halda & Chvastek wfo--0001434388..... | 366 |
| <i>Thelocactus bicolor</i> var. <i>wagnerianus</i> (A.Berger) Krainz wfo--0001434381..... | 365 | <i>Thelocactus hexaedrophorus</i> subsp. <i>kvetae</i> Chvastek & Halda wfo--0001434389..... | 366 |
| <i>Thelocactus buekii</i> (Klein bis) Britton & Rose wfo-- 0001257624..... | 365 | <i>Thelocactus hexaedrophorus</i> subsp. <i>lloydii</i> (Britton & Rose) Kladiwa & Fittkau wfo--0001256537..... | 366 |
| <i>Thelocactus buekii</i> subsp. <i>jarmilae</i> Halda & Horáček wfo-- 0001434382..... | 368 | | |
| <i>Thelocactus buekii</i> subsp. <i>matudae</i> (Sánchez-Mej. & A.B.Lau) Mosco & Zanov. wfo--0001434383..... | 365 | | |

| | | | |
|--|-----|--|-----|
| <i>Thelocactus hexaedrophorus</i> var. <i>decipiens</i> (A.Berger) Pilbeam wfo---0001434390 | 366 | <i>Thelocactus macdowellii</i> (Rebut ex Quehl) Glass wfo--- 0000407463 | 367 |
| <i>Thelocactus hexaedrophorus</i> var. <i>droegeanus</i> (Schelle) Pilbeam wfo---0001434391 | 366 | <i>Thelocactus macdowellii</i> (Rebut ex Quehl) W.T.Marshall wfo---0001256541 | 367 |
| <i>Thelocactus hexaedrophorus</i> var. <i>fossulatus</i> (Scheidw.) Backeb. wfo---0001434392 | 366 | <i>Thelocactus mandragora</i> A.Berger wfo---0000407485 .. | 320 |
| <i>Thelocactus hexaedrophorus</i> var. <i>labouretianus</i> (K.Schum.) Pilbeam wfo---0001434393 | 366 | <i>Thelocactus matudae</i> Sánchez-Mej. & A.B.Lau wfo--- 0001256549 | 365 |
| <i>Thelocactus hexaedrophorus</i> var. <i>lloydii</i> (Britton & Rose) Kladiwa & Fittkau wfo---0001434394 | 366 | <i>Thelocactus multicephalus</i> Halda & Panar. ex Halda wfo--- 0001286340 | 367 |
| <i>Thelocactus hexaedrophorus</i> var. <i>major</i> (Quehl) Y.Itô wfo-- -0001434395 | 366 | <i>Thelocactus nidulans</i> (Quehl) Britton & Rose wfo--- 0001257626 | 367 |
| <i>Thelocactus hexaedrophorus</i> var. <i>paradensis</i> Pilbeam wfo-- -0001434396 | 366 | <i>Thelocactus nidulans</i> subsp. <i>matudae</i> (Sánchez-Mej. & A.B.Lau) N.P.Taylor wfo---0001434403 | 365 |
| <i>Thelocactus horripilus</i> (Lem.) Kladiwa & Fittkau wfo--- 0000407501 | 172 | <i>Thelocactus panarottoanus</i> Halda wfo---0001286336... | 366 |
| <i>Thelocactus horripilus</i> (Lem.) Kladiwa wfo---0000407502 | 172 | <i>Thelocactus phymatothele</i> (Poselg.) Britton & Rose wfo--- 0001257625 | 367 |
| <i>Thelocactus intertextus</i> (Engelm.) W.T.Marshall wfo--- 0000407494 | 337 | <i>Thelocactus porrectus</i> (Lem.) F.M.Knuth wfo---0001286331 | 367 |
| <i>Thelocactus johnsonii</i> (Parry ex Engelm.) W.T.Marshall wfo---0000407495 | 337 | <i>Thelocactus pottsii</i> (Salm-Dyck) Britton & Rose wfo--- 0001257628 | 142 |
| <i>Thelocactus knuthianus</i> (Boed.) Borg wfo---0001286379 | 372 | <i>Thelocactus pseudopectinatus</i> (Backeb.) E.F.Anderson & Boke wfo---0000407464 | 372 |
| <i>Thelocactus krainzianus</i> Oehme wfo---0001286333 | 368 | <i>Thelocactus rinconensis</i> (Poselg.) Britton & Rose wfo--- 0001256542 | 367 |
| <i>Thelocactus krausei</i> (Hildm. ex K.Schum.) H.P.Kelsey & Dayton wfo---0000415021 | 337 | <i>Thelocactus rinconensis</i> subsp. <i>freudenbergeri</i> (R.Haas) Mosco & Zanov. wfo---0001286337 | 367 |
| <i>Thelocactus lausseri</i> Říha & Busek wfo---0001256539 ... | 366 | <i>Thelocactus rinconensis</i> subsp. <i>hintonii</i> Lüthy wfo--- 0001434404 | 367 |
| <i>Thelocactus leucacanthus</i> (Zucc. ex Pfeiff.) Britton & Rose wfo---0001256540 | 366 | <i>Thelocactus rinconensis</i> subsp. <i>icamolensis</i> Halda & Kupčák wfo---0001434405 | 367 |
| <i>Thelocactus leucacanthus</i> f. <i>krainzianus</i> (Oehme) H.Nagl wfo---0001434397 | 368 | <i>Thelocactus rinconensis</i> subsp. <i>multicephalus</i> (Halda & Panar. ex Halda) Lüthy wfo---0001286339 | 367 |
| <i>Thelocactus leucacanthus</i> subsp. <i>leucacanthus</i> wfo--- 0001286327 | 366 | <i>Thelocactus rinconensis</i> subsp. <i>nidulans</i> (Quehl) Glass wfo- -0001286341 | 367 |
| <i>Thelocactus leucacanthus</i> subsp. <i>schmollii</i> (Werderm.) Mosco & Zanov. wfo---0001286332 | 367 | <i>Thelocactus rinconensis</i> subsp. <i>palomaensis</i> Pavlíček & Zatloukal wfo---0001434406 | 367 |
| <i>Thelocactus leucacanthus</i> var. <i>ehrenbergii</i> (Pfeiff.) Bravo wfo---0001286329 | 367 | <i>Thelocactus rinconensis</i> subsp. <i>phymatothelos</i> (Poselg. ex Rümler) Glass wfo---0001286344 | 367 |
| <i>Thelocactus leucacanthus</i> var. <i>porrectus</i> (Lem.) Backeb. wfo---0001286330 | 367 | <i>Thelocactus rinconensis</i> subsp. <i>rinconensis</i> wfo--- 0001256543 | 367 |
| <i>Thelocactus leucacanthus</i> var. <i>sanchezmejoradae</i> (J.Meyrán) Backeb. wfo---0001286334 | 367 | <i>Thelocactus rinconensis</i> var. <i>freudenbergeri</i> R.Haas wfo--- 0001286338 | 367 |
| <i>Thelocactus leucacanthus</i> var. <i>schmollii</i> Werderm. wfo--- 0001286335 | 367 | <i>Thelocactus rinconensis</i> var. <i>nidulans</i> (Quehl) Glass & R.A.Foster wfo---0001286343 | 367 |
| <i>Thelocactus lloydii</i> Britton & Rose wfo---0001256538 ... | 366 | <i>Thelocactus rinconensis</i> var. <i>phymatothele</i> (Poselg. ex Rümler) Glass & R.A.Foster wfo---0001286346 | 367 |
| <i>Thelocactus lophophoroides</i> Werderm. wfo---0001256581 | 372 | <i>Thelocactus roseanus</i> (Boed.) Borg wfo---0001286280 | 6 |
| <i>Thelocactus lophothele</i> (Salm-Dyck) Britton & Rose wfo--- 0000407497 | 367 | <i>Thelocactus sanchezmejoradae</i> J.Meyrán wfo--- 0001258267 | 367 |
| <i>Thelocactus lophothele</i> subsp. <i>freudenbergeri</i> (R.Haas) Matusz. wfo---0001434398 | 367 | <i>Thelocactus santaclarensis</i> Halda, Kupčák & Sladk. wfo--- 0000407458 | 368 |
| <i>Thelocactus lophothele</i> subsp. <i>hintonii</i> (Lüthy) Matusz. wfo---0001434399 | 367 | <i>Thelocactus saueri</i> (Boed.) Borg wfo---0001286383 | 373 |
| <i>Thelocactus lophothele</i> subsp. <i>nidulans</i> (Quehl) Matusz. wfo---0001434400 | 367 | <i>Thelocactus saueri</i> (Boed.) H.P.Kelsey & Dayton wfo--- 0001434407 | 373 |
| <i>Thelocactus lophothele</i> subsp. <i>palomaensis</i> (Pavlíček & Zatloukal) Matusz. wfo---0001434401 | 367 | <i>Thelocactus saussieri</i> (F.A.C.Weber) A.Berger wfo--- 0000407459 | 365 |
| <i>Thelocactus lophothele</i> subsp. <i>rinconensis</i> (Poselg.) Matusz. wfo---0001434402 | 367 | <i>Thelocactus saussieri</i> var. <i>longispinus</i> Y.Itô wfo--- 0001434408 | 365 |
| <i>Thelocactus lophothele</i> var. <i>nidulans</i> (Quehl) Kladiwa & Fittkau wfo---0001286342 | 367 | <i>Thelocactus schottii</i> (Engelm.) Kladiwa & Fittkau wfo--- 0000407460 | 364 |
| | | <i>Thelocactus schwarzii</i> Backeb. wfo---0001256526 | 365 |

| | | | |
|---|-----|---|-------------|
| <i>Thelocactus setispinus</i> (Engelm.) E.F.Anderson wfo-- 0001256544..... | 368 | <i>Thelocephala challensis</i> (I.Schaub & Keim) Faúndez & Saldivia wfo--0001434424 | 117 |
| <i>Thelocactus setispinus</i> var. <i>cachetianus</i> (Labour.) Pilbeam wfo--0001434409..... | 368 | <i>Thelocephala duripulpa</i> (F.Ritter) F.Ritter wfo-- 0000407471 | 117 |
| <i>Thelocactus setispinus</i> var. <i>hamatus</i> (Muehlenpf.) Pilbeam wfo--0001434410..... | 368 | <i>Thelocephala esmeraldana</i> (F.Ritter) F.Ritter wfo-- 0000407472 | 118 |
| <i>Thelocactus setispinus</i> var. <i>mierensis</i> (K.Schum.) Pilbeam wfo--0001434411..... | 368 | <i>Thelocephala fankhauseri</i> F.Ritter wfo--0000407473... .. | 118 |
| <i>Thelocactus setispinus</i> var. <i>orcuttii</i> (K.Schum.) Pilbeam wfo--0001434412..... | 368 | <i>Thelocephala fulva</i> (F.Ritter) F.Ritter wfo--0000407474118 | |
| <i>Thelocactus smithii</i> (Muehlenpf.) Borg wfo--0000407478 | 365 | <i>Thelocephala glabrescens</i> (F.Ritter) F.Ritter wfo-- 0000407512 | 118 |
| <i>Thelocactus subterraneus</i> Backeb. wfo--0001289791... .. | 320 | <i>Thelocephala kraussii</i> (F.Ritter) F.Ritter wfo--0000407462 | 120 |
| <i>Thelocactus subterraneus</i> var. <i>zaragosae</i> (Glass & R.A.Foster) Bravo wfo--0001434413 | 320 | <i>Thelocephala lembckeii</i> (Backeb.) F.Ritter wfo-- 0000407504 | 122 |
| <i>Thelocactus tepelmemensis</i> T.J.Davis, H.M.Hern., G.D.Starr & Gómez-Hin. wfo--0001434414 | 368 | <i>Thelocephala lembckeii</i> (Katt.) Faúndez & Saldivia wfo-- 0001434425 | 122 |
| <i>Thelocactus tulensis</i> (Poselg.) Britton & Rose wfo-- 0001256545..... | 368 | <i>Thelocephala longirapa</i> F.Ritter wfo--0000407540 | 120 |
| <i>Thelocactus tulensis</i> subsp. <i>buekii</i> (Klein bis) N.P.Taylor wfo--0001256547..... | 365 | <i>Thelocephala malleolata</i> (F.Ritter) F.Ritter wfo-- 0000407541 | 121 |
| <i>Thelocactus tulensis</i> subsp. <i>huizachensis</i> Halda & Sladk. wfo--0001434415..... | 368 | <i>Thelocephala malleolata</i> var. <i>solitaria</i> (F.Ritter) F.Ritter wfo--0001434426 | 121 |
| <i>Thelocactus tulensis</i> subsp. <i>kupcaki</i> Halda & Sladk. wfo-- 0001434416..... | 368 | <i>Thelocephala monte-amarguensis</i> (Katt.) Faúndez & Saldivia wfo--0001434427 | 122 |
| <i>Thelocactus tulensis</i> subsp. <i>matudae</i> (Sánchez-Mej. & A.B.Lau) E.F.Anderson wfo--0001256548..... | 365 | <i>Thelocephala napina</i> (Phil.) Y.Itô wfo--0000407542.... | 112, 121 |
| <i>Thelocactus tulensis</i> subsp. <i>tulensis</i> wfo--0001256546 | 368 | <i>Thelocephala nuda</i> F.Ritter wfo--0000407544 | 113 |
| <i>Thelocactus tulensis</i> subsp. <i>vaskoanus</i> (Halda, Hovorka & Zatloukal) Halda, Kupcák & Malina wfo--0001434417 | 368 | <i>Thelocephala odieri</i> (Salm-Dyck) F.Ritter wfo--0000407545 | 122 |
| <i>Thelocactus tulensis</i> var. <i>buekii</i> (Klein bis) E.F.Anderson wfo--0001434418..... | 365 | <i>Thelocephala reichei</i> (K.Schum.) F.Ritter wfo--0000407548 | 122 |
| <i>Thelocactus tulensis</i> var. <i>longispinus</i> Y.Itô wfo-- 0001434419..... | 368 | <i>Thelocephala riparia</i> (Mächler & Helmut Walter) Faúndez & Saldivia wfo--0001434428..... | 124 |
| <i>Thelocactus tulensis</i> var. <i>matudae</i> (Sánchez-Mej. & A.B.Lau) E.F.Anderson wfo--0001434420..... | 365 | <i>Thelocephala roseiflora</i> Y.Itô wfo--0000407546..... | 121 |
| <i>Thelocactus uncinatus</i> (Galeotti ex Pfeiff.) W.T.Marshall wfo--0001286196..... | 143 | <i>Thelocephala tenebrica</i> F.Ritter wfo--0000407539 | 127 |
| <i>Thelocactus uncinatus</i> var. <i>wrightii</i> (Engelm.) H.P.Kelsey & Dayton wfo--0001434421 | 143 | <i>Thelocephala weisseri</i> (A.E.Hoffm. & Helmut Walter) Faúndez & Saldivia wfo--0001434429 | 121 |
| <i>Thelocactus unguispinus</i> (Engelm.) G.D.Rowley wfo-- 0001286184..... | 339 | <i>Thelocephala</i> Y.Itô wfo--4000038136 | 112 |
| <i>Thelocactus unguispinus</i> (Engelm.) W.T.Marshall wfo-- 0001434422..... | 339 | <i>Thelomastus</i> Frič ex Kreuz. wfo--4000042565 | 364 |
| <i>Thelocactus valdezianus</i> (H.Moeller) Borg wfo-- 0001287056..... | 375 | <i>Thrixanthocereus</i> Backeb. wfo--4000038277 | 133 |
| <i>Thelocactus vaskoanus</i> Halda, Hovorka & Zatloukal wfo-- 0000407466..... | 368 | <i>Thrixanthocereus blossfeldiorum</i> (Werderm.) Backeb. wfo-- -0001287966..... | 133 |
| <i>Thelocactus viereckii</i> (Werderm.) Borg wfo--0000407468 | 375 | <i>Thrixanthocereus cullmannianus</i> F.Ritter wfo-- 0001287881 | 134 |
| <i>Thelocactus viereckii</i> (Werderm.) Werderm. wfo-- 0000407467..... | 375 | <i>Thrixanthocereus longispinus</i> F.Ritter wfo--0001287882 | 134 |
| <i>Thelocactus viereckii</i> var. <i>major</i> (Glass & R.A.Foster) Bravo wfo--0001434423 | 376 | <i>Thrixanthocereus senilis</i> F.Ritter wfo--0001287880 | 134 |
| <i>Thelocactus wagnerianus</i> A.Berger wfo--0000407477.. | 365 | <i>Torreyactis conothele</i> (Regel & Klein bis) Doweld wfo-- 0000415214 | 364, 365 |
| <i>Thelocactus ysabelae</i> Schlange wfo--0001256609..... | 376 | <i>Torreyactis conothelos</i> (Regel & Klein bis) Doweld wfo-- 0001286463 | 365 |
| <i>Thelocactus ysabelae</i> var. <i>brevispinus</i> Schlange wfo-- 0001286387..... | 376 | <i>Torreyactis conothelos</i> subsp. <i>argenteus</i> (Glass & R.A.Foster) Doweld wfo--0001434430..... | 365 |
| <i>Thelocephala aerocarpa</i> (F.Ritter) F.Ritter wfo-- 0000407470..... | 113 | <i>Torreyactis conothelos</i> subsp. <i>aurantiacus</i> (Glass & R.A.Foster) Doweld wfo--0001434431..... | 366 |
| | | <i>Torreyactis conothelos</i> subsp. <i>garciae</i> (Glass & Mend.- Garc.) Doweld wfo--0001286325..... | 366 |
| | | <i>Torreyactis conothelos</i> var. <i>argenteus</i> (Glass & R.A.Foster) Doweld wfo--0001434432 | 365 |
| | | <i>Torreyactis conothelos</i> var. <i>aurantiacus</i> (Glass & R.A.Foster) Doweld wfo--0001434433..... | 366 |
| | | <i>Torreyactis</i> Doweld wfo--4000038603..... | 364 |

| | |
|---|--|
| <i>Toumeyia bradyi</i> (L.D.Benson) W.H.Earle wfo---0001289964 301 | <i>Trichocereus bruchii</i> (Britton & Rose) F.Ritter wfo--- 0000407551 345 |
| <i>Toumeyia</i> Britton & Rose wfo---4000038629 336 | <i>Trichocereus bruchii</i> var. <i>brevispinus</i> F.Ritter wfo--- 0001434444 346 |
| <i>Toumeyia fickesienii</i> (Backeb.) W.H.Earle wfo---0000407533 301 | <i>Trichocereus callianthus</i> F.Ritter wfo---0001260688 348 |
| <i>Toumeyia klinkeriana</i> (Backeb. & H.Jacobsen) Bravo & W.T.Marshall wfo---0000407535 374 | <i>Trichocereus camarguensis</i> Cárdenas wfo---0001245830 346 |
| <i>Toumeyia krainziana</i> Gerhart Frank wfo---0001286365 . 172 | <i>Trichocereus camarguensis</i> subsp. <i>caulescens</i> (F.Ritter) Guiggi wfo---0001434445 346 |
| <i>Toumeyia lophophoroides</i> (Werderm.) W.T.Marshall wfo--- 0000407537 372 | <i>Trichocereus campos-portoi</i> Werderm. wfo---0001288613 13 |
| <i>Toumeyia macrochele</i> (Werderm.) W.T.Marshall wfo--- 0000407538 374 | <i>Trichocereus candicans</i> (Gillies ex Salm-Dyck) Britton & Rose wfo---0001289167 346 |
| <i>Toumeyia macrochele</i> f. <i>polaskii</i> (Backeb.) Kladiwa wfo--- 0001434434 375 | <i>Trichocereus candicans</i> f. <i>rubriflorus</i> F.Ritter wfo--- 0001434446 346 |
| <i>Toumeyia macrochele</i> var. <i>schwarzii</i> (Shurly) Kladiwa wfo--- 0001434435 375 | <i>Trichocereus candicans</i> subsp. <i>pseudocandicans</i> Lodé wfo-- -0001434447 346 |
| <i>Toumeyia papyracantha</i> (Engelm.) Britton & Rose wfo--- 0001289552 336, 338 | <i>Trichocereus candicans</i> var. <i>gladius</i> (Lem.) Y.Itô wfo--- 0001434448 346 |
| <i>Toumeyia peeblesiana</i> (Croizat) W.T.Marshall wfo--- 0001288306 301 | <i>Trichocereus candicans</i> var. <i>nitens</i> (Salm-Dyck ex Otto & Dietr.) F.Ritter wfo---0001434449 346 |
| <i>Toumeyia pseudomacrochele</i> (Backeb.) W.T.Marshall wfo--- 0001286467 172 | <i>Trichocereus candicans</i> var. <i>roseiflorus</i> Backeb. wfo--- 0001434450 346 |
| <i>Toumeyia pseudomacrochele</i> var. <i>krainziana</i> (Gerhart Frank) Kladiwa wfo---0001286366 172 | <i>Trichocereus candicans</i> var. <i>tenuispinus</i> (Pfeiff.) Backeb. wfo---0001434451 346 |
| <i>Toumeyia schmiedickeana</i> (Boed.) W.T.Marshall wfo--- 0000407555 373 | <i>Trichocereus catamarcensis</i> F.Ritter wfo---0000407549 348 |
| <i>Toumeyia schmiedickeana</i> var. <i>klinkeriana</i> (Backeb. & H.Jacobsen) Krainz wfo---0001434436 374 | <i>Trichocereus caulescens</i> F.Ritter wfo---0000407552 346 |
| <i>Toumeyia schwarzii</i> (Shurly) Bravo & W.T.Marshall wfo--- 0000407556 375 | <i>Trichocereus cephalomacroctibas</i> (Werderm. & Backeb.) Backeb. wfo---0001287606 377 |
| <i>Toumeyia schwarzii</i> var. <i>polaskii</i> (Backeb.) Kladiwa wfo--- 0001434437 375 | <i>Trichocereus cephalopasacanus</i> Frič wfo---0000407553 178 |
| <i>Trichocereus</i> (A.Berger) Riccob. wfo---4000038963 368 | <i>Trichocereus ceratistes</i> (Otto) H.P.Kelsey & Dayton wfo--- 0000415226 113 |
| <i>Trichocereus xcabrae</i> R.Kiesling wfo---0000407557 ... 391 | <i>Trichocereus chalaensis</i> Rauh & Backeb. wfo---0001287607 369 |
| <i>Trichocereus xmendocinus</i> Méndez wfo---0000407531. 349 | <i>Trichocereus chiloensis</i> (Colla) Britton & Rose wfo--- 0001287311 178 |
| <i>Trichocereus andalgalensis</i> (F.A.C.Weber ex K.Schum.) Hosseus wfo---0001279697 348 | <i>Trichocereus chiloensis</i> subsp. <i>australis</i> (F.Ritter) Albesiano wfo---0001434452 179 |
| <i>Trichocereus andalgalensis</i> var. <i>auricolor</i> (Backeb.) F.Ritter wfo---0001434438 348 | <i>Trichocereus chiloensis</i> subsp. <i>eburneus</i> (Phil. ex K.Schum.) Albesiano wfo---0001434453 179 |
| <i>Trichocereus angelesiae</i> R.Kiesling wfo---0001255789 . 345 | <i>Trichocereus chiloensis</i> subsp. <i>litoralis</i> (Johow) Faúndez wfo---0001434454 179 |
| <i>Trichocereus angelesii</i> R.Kiesling wfo---0000407558 345 | <i>Trichocereus chiloensis</i> subsp. <i>panhoplites</i> (K.Schum.) Albesiano wfo---0001434455 179 |
| <i>Trichocereus antezanae</i> Cárdenas wfo---0001289418 350 | <i>Trichocereus chiloensis</i> var. <i>australis</i> F.Ritter wfo--- 0001434456 179 |
| <i>Trichocereus arboricola</i> Kimnach wfo---0001288622 345 | <i>Trichocereus chiloensis</i> var. <i>borealis</i> F.Ritter wfo--- 0001434457 179 |
| <i>Trichocereus atacamensis</i> (Phil.) W.T.Marshall wfo--- 0001288653 178 | <i>Trichocereus chiloensis</i> var. <i>conjugens</i> F.Ritter wfo--- 0001434458 178 |
| <i>Trichocereus atacamensis</i> subsp. <i>pasacanus</i> (F.A.C.Weber ex Rümpler) Guiggi wfo---0001434439 178 | <i>Trichocereus chiloensis</i> var. <i>nigripilis</i> (Phil.) Espinosa wfo--- 0001434459 179 |
| <i>Trichocereus atacamensis</i> var. <i>pasacanus</i> (F.A.C.Weber ex Rümpler) F.Ritter wfo---0001434440 178 | <i>Trichocereus chuquisacanus</i> F.Ritter wfo---0001284309 350 |
| <i>Trichocereus auricolor</i> Backeb. wfo---0000407561 348 | <i>Trichocereus clavatus</i> F.Ritter wfo---0001246305 369 |
| <i>Trichocereus bertramianus</i> Backeb. wfo---0001289426. 350 | <i>Trichocereus conaconensis</i> Cárdenas wfo---0001289421 350 |
| <i>Trichocereus bolligerianus</i> (Mächler & Helmut Walter) Albesiano wfo---0001434441 178 | <i>Trichocereus coquimbanus</i> (Molina) Britton & Rose wfo--- 0001287312 396 |
| <i>Trichocereus bridgesii</i> (Salm-Dyck) Britton & Rose wfo--- 0001288690 368 | <i>Trichocereus coquimbanus</i> var. <i>nigripilis</i> (Phil.) Borg wfo--- 0001434460 179 |
| <i>Trichocereus bridgesii</i> var. <i>brevispinus</i> (K.Schum.) Borg wfo---0001245829 369 | <i>Trichocereus courantii</i> (K.Schum.) Backeb. wfo--- 0000407513 346 |
| <i>Trichocereus bridgesii</i> var. <i>bridgesii</i> wfo---0001434965 369 | |
| <i>Trichocereus bridgesii</i> var. <i>lageniformis</i> (C.F.Först.) Borg wfo---0001434442 368 | |
| <i>Trichocereus bridgesii</i> var. <i>longispinus</i> (C.A.Maass) Borg wfo---0001434443 369 | |

| | |
|--|---|
| <i>Trichocereus crassiarborescens</i> F.Ritter wfo--0001289209 377 | <i>Trichocereus litoralis</i> (Johow) Looser wfo--0001287317 179 |
| <i>Trichocereus crassicaulis</i> (R.Kiesling) Lodé wfo-- 0001434461..... 347 | <i>Trichocereus lobivoides</i> Gräser & F.Ritter wfo-- 0001260660..... 349 |
| <i>Trichocereus crassicosatus</i> F.Ritter wfo--0001042496. 369 | <i>Trichocereus macrogonus</i> (Salm-Dyck) Riccob. wfo-- 0001289169..... 368, 369 |
| <i>Trichocereus cuzcoensis</i> Britton & Rose wfo--0001287462 369 | <i>Trichocereus macrogonus</i> var. <i>macrogonus</i> wfo-- 0001434966..... 369 |
| <i>Trichocereus damazioi</i> (K.Schum. ex Weing.) Werderm. wfo--0000407515..... 13 | <i>Trichocereus macrogonus</i> var. <i>pachanoi</i> (Britton & Rose) Albesiano & R.Kiesling wfo--0001434469..... 369 |
| <i>Trichocereus deserticola</i> (Werderm.) Backeb. wfo-- 0001287313..... 179 | <i>Trichocereus macrogonus</i> var. <i>peruvianus</i> (Britton & Rose) Lodé wfo--0001434470..... 369 |
| <i>Trichocereus deserticolus</i> (Werderm.) Looser wfo-- 0000415222..... 179 | <i>Trichocereus manguinii</i> Backeb. wfo--0000407530..... 349 |
| <i>Trichocereus eremophilus</i> F.Ritter wfo--0001246307 ... 178 | <i>Trichocereus microspermus</i> (Werderm. & Backeb.) Borg wfo--0000407532..... 34 |
| <i>Trichocereus escayachensis</i> Cárdenas wfo--0001289525 180 | <i>Trichocereus microsphaericus</i> (K.Schum.) H.P.Kelsey & Dayton wfo--0000415224..... 334 |
| <i>Trichocereus fabrisii</i> R.Kiesling wfo--0000407519..... 347 | <i>Trichocereus narvaecensis</i> Cárdenas wfo--0001289422 350 |
| <i>Trichocereus fascicularis</i> (Meyen) Britton & Rose wfo-- 0001287440..... 163 | <i>Trichocereus neolamprochlorus</i> Backeb. wfo--0000407529 346 |
| <i>Trichocereus faundezii</i> Albesiano wfo--0001434462..... 179 | <i>Trichocereus nigripilis</i> (Phil.) Backeb. wfo--0001287318 179 |
| <i>Trichocereus formosus</i> (Pfeiff.) F.Ritter wfo--0000407520 347 | <i>Trichocereus orurensis</i> Cárdenas wfo--0001289417..... 350 |
| <i>Trichocereus formosus</i> subsp. <i>bruchii</i> (Britton & Rose) Guiggi wfo--0001434463..... 345 | <i>Trichocereus orurensis</i> var. <i>albiflorus</i> Cárdenas wfo-- 0001434471..... 184 |
| <i>Trichocereus fulvilanus</i> F.Ritter wfo--0001287314..... 179 | <i>Trichocereus pachanoi</i> Britton & Rose wfo--0001287783 369 |
| <i>Trichocereus funkii</i> A.Berger wfo--0000407516..... 179 | <i>Trichocereus pachanoi</i> f. <i>peruvianus</i> (Britton & Rose) F.Ritter wfo--0001287784..... 369 |
| <i>Trichocereus gladiatus</i> (Lem.) Backeb. wfo--0000407514 346 | <i>Trichocereus pasacana</i> (F.A.C.Weber ex Rümpler) Britton & Rose wfo--0001245831..... 178 |
| <i>Trichocereus gladiatus</i> Frič wfo--0000407505..... 346 | <i>Trichocereus pectiniferus</i> Albesiano wfo--0001434472 179 |
| <i>Trichocereus glaucus</i> f. <i>pendens</i> F.Ritter wfo--0001434464 369 | <i>Trichocereus peruvianus</i> Britton & Rose wfo--0001287463 369 |
| <i>Trichocereus glaucus</i> F.Ritter wfo--0001287315..... 369 | <i>Trichocereus peruvianus</i> subsp. <i>puquiensis</i> (Rauh & Backeb.) Ostolaza wfo--0001434473..... 369 |
| <i>Trichocereus glaucus</i> var. <i>pendens</i> (F.Ritter) Backeb. wfo-- 0001287316..... 369 | <i>Trichocereus poco</i> Backeb. wfo--0001289414..... 350 |
| <i>Trichocereus glaziovii</i> (K.Schum.) Werderm. wfo-- 0001289756..... 13 | <i>Trichocereus poco</i> var. <i>albiflorus</i> Cárdenas wfo-- 0001289416..... 350 |
| <i>Trichocereus grandiflorus</i> Backeb. wfo--0000407506... 348 | <i>Trichocereus poco</i> var. <i>fricianus</i> Cárdenas wfo-- 0001289415..... 350 |
| <i>Trichocereus grandis</i> (Britton & Rose) F.Ritter wfo-- 0000407507..... 345 | <i>Trichocereus pseudocandicans</i> R.Kiesling wfo-- 0000407521..... 346 |
| <i>Trichocereus hahnianus</i> (Backeb.) Guiggi wfo-- 0001434465..... 348 | <i>Trichocereus puquiensis</i> Rauh & Backeb. wfo-- 0001287608..... 369 |
| <i>Trichocereus herzogianus</i> Cárdenas wfo--0001289419. 350 | <i>Trichocereus purpureopilosa</i> Weing. wfo--0001434967 346 |
| <i>Trichocereus herzogianus</i> var. <i>totorensis</i> Cárdenas wfo-- 0001289420..... 350 | <i>Trichocereus purpureopilosus</i> Weing. wfo--0000415225 346 |
| <i>Trichocereus huanucoensis</i> H.Johnson wfo--0001287082 369 | <i>Trichocereus quadratumbonatus</i> F.Ritter wfo-- 0001246308..... 349 |
| <i>Trichocereus huascha</i> (F.A.C.Weber) Britton & Rose wfo-- 0001257598..... 348 | <i>Trichocereus randallii</i> Cárdenas wfo--0001260654..... 347 |
| <i>Trichocereus huascha</i> subsp. <i>robustus</i> (Rausch) Guiggi wfo-- --0001434466..... 348 | <i>Trichocereus riomizquensis</i> F.Ritter wfo--0001246309. 182 |
| <i>Trichocereus huascha</i> var. <i>flaviflora</i> Hosseus wfo-- 0001434467..... 348 | <i>Trichocereus rivierei</i> (Backeb.) Krainz wfo--0000407523 178 |
| <i>Trichocereus huascha</i> var. <i>pecheretianus</i> (Backeb.) R.Kiesling wfo--0001434468..... 348 | <i>Trichocereus rondonianus</i> Kelsey & Dayton wfo-- 0001288614..... 422 |
| <i>Trichocereus ingens</i> (Backeb.) F.Ritter wfo--0000407509 345 | <i>Trichocereus rowleyi</i> (H.Friedrich) R.Kiesling wfo-- 0000407525..... 348 |
| <i>Trichocereus johnsonii</i> Hutchison wfo--0001287083 ... 422 | <i>Trichocereus rubinghianus</i> Backeb. wfo--0000407063. 350 |
| <i>Trichocereus knuthianus</i> Backeb. wfo--0001287787..... 369 | <i>Trichocereus santaensis</i> Rauh & Backeb. wfo--0001287609 369 |
| <i>Trichocereus korethroides</i> (Werderm.) F.Ritter wfo-- 0000407510..... 347 | |
| <i>Trichocereus lamprochlorus</i> (Lem.) Britton & Rose wfo-- 0001257596..... 402 | |

| | | | |
|---|-----|---|--------|
| <i>Trichocereus santiaaguensis</i> (Speg.) Backeb. wfo--- 0000406818..... | 349 | <i>Trichocereus terscheckii</i> var. <i>montanus</i> Backeb. wfo--- 0000744924..... | 180 |
| <i>Trichocereus schickendantzii</i> (F.A.C.Weber) Britton & Rose wfo---0001289168..... | 349 | <i>Trichocereus terscheckioides</i> F.Ritter wfo---0000407526 | 180 |
| <i>Trichocereus schoenii</i> Rauh & Backeb. wfo---0001287610 | 370 | <i>Trichocereus tetraacanthus</i> (Labour.) Borg wfo--- 0001434483..... | 169 |
| <i>Trichocereus scopulicola</i> F.Ritter wfo---0001254419..... | 182 | <i>Trichocereus tetraacanthus</i> var. <i>boliviensis</i> (F.A.C.Weber ex K.Schum.) Borg wfo---0001434484..... | 169 |
| <i>Trichocereus serenanus</i> F.Ritter wfo---0000406823..... | 179 | <i>Trichocereus thelegonoides</i> (Speg.) Britton & Rose wfo--- 0001257595..... | 350 |
| <i>Trichocereus serenanus</i> Y.Itô wfo---0000406820..... | 422 | <i>Trichocereus thelegonus</i> (F.A.C.Weber) Britton & Rose wfo---0001289278..... | 350 |
| <i>Trichocereus serpentinus</i> (M.Lowry & M.Mend.) Guiggi wfo---0001434474..... | 349 | <i>Trichocereus torataensis</i> F.Ritter wfo---0001287785..... | 369 |
| <i>Trichocereus serpentinus</i> (M.Lowry & M.Mend.) Lodé wfo-- -0001434475..... | 349 | <i>Trichocereus torensis</i> (Cárdenas) F.Ritter wfo--- 0000407527..... | 350 |
| <i>Trichocereus shaferi</i> Britton & Rose wfo---0001257599..... | 349 | <i>Trichocereus trichosa</i> Cárdenas wfo---0001252128..... | 403 |
| <i>Trichocereus skottsbergii</i> Backeb. ex Skotts. wfo--- 0001287319..... | 179 | <i>Trichocereus trichosus</i> Cárdenas wfo---0001434485..... | 369 |
| <i>Trichocereus skottsbergii</i> var. <i>breviatus</i> Backeb. wfo--- 0001434476..... | 179 | <i>Trichocereus tulhuayacensis</i> Ochoa ex Backeb. wfo--- 0001288947..... | 369 |
| <i>Trichocereus skottsbergii</i> var. <i>skottsbergii</i> wfo--- 0001287320..... | 179 | <i>Trichocereus tunariensis</i> Cárdenas wfo---0001288173.. | 180 |
| <i>Trichocereus smrzianus</i> (Backeb.) Backeb. wfo--- 0000406821..... | 349 | <i>Trichocereus uebelmannianus</i> (Lembcke & Backeb.) F.Ritter wfo---0001288656..... | 347 |
| <i>Trichocereus spachianus</i> (Lem.) Riccob. wfo---0001289166 | 349 | <i>Trichocereus undulosus</i> Albesiano wfo---0001434486... 180 | |
| <i>Trichocereus spinibarbis</i> (Hort.Berol. ex Pfeiff.) F.Ritter wfo---0001288655..... | 399 | <i>Trichocereus uyupampensis</i> Backeb. wfo---0001287605 369 | |
| <i>Trichocereus strigosus</i> (Salm-Dyck) Britton & Rose wfo--- 0001255795..... | 349 | <i>Trichocereus validus</i> (Monv. ex Salm-Dyck) Backeb. wfo--- 0000406816..... | 180 |
| <i>Trichocereus strigosus</i> var. <i>flaviflorus</i> F.Ritter wfo--- 0001434477..... | 349 | <i>Trichocereus vasquezii</i> Rausch wfo---0001246310..... | 350 |
| <i>Trichocereus strigosus</i> var. <i>longispinus</i> (C.A.Maass) Borg wfo---0001434478..... | 349 | <i>Trichocereus vatteri</i> R.Kiesling wfo---0000406830..... | 348 |
| <i>Trichocereus tacaquirensis</i> (Vaupel) Cárdenas ex Backeb. wfo---0001264606..... | 370 | <i>Trichocereus volcanensis</i> F.Ritter wfo---0000406813.... | 349 |
| <i>Trichocereus tacaquirensis</i> subsp. <i>tacaquirensis</i> wfo--- 0001434968..... | 370 | <i>Trichocereus vollianus</i> Backeb. wfo---0001245833..... | 350 |
| <i>Trichocereus tacaquirensis</i> subsp. <i>taquimbalensis</i> (Cárdenas) Guiggi wfo---0001434479..... | 370 | <i>Trichocereus vollianus</i> var. <i>rubrispinus</i> Backeb. wfo--- 0000415216..... | 350 |
| <i>Trichocereus tacnaensis</i> F.Ritter wfo---0001287786..... | 369 | <i>Trichocereus walteri</i> (R.Kiesling) J.G.Lamb. wfo--- 0000406836..... | 351 |
| <i>Trichocereus taquimbalensis</i> Cárdenas wfo---0001245832 | 370 | <i>Trichocereus werdermannianus</i> Backeb. wfo---0001289526 | 180 |
| <i>Trichocereus taquimbalensis</i> var. <i>taquimbalensis</i> wfo--- 0001434969..... | 370 | <i>Trichopuntia</i> Guiggi wfo---4000039027..... | 17 |
| <i>Trichocereus taquimbalensis</i> var. <i>wilkeae</i> Backeb. wfo--- 0000415215..... | 370 | <i>Trichopuntia shaferi</i> (Britton & Rose) Guiggi wfo--- 0000750236..... | 18 |
| <i>Trichocereus taratensis</i> Cárdenas wfo---0001255796.... | 351 | <i>Trichopuntia shaferi</i> subsp. <i>humahuacana</i> (Backeb.) Guiggi wfo---0001434487..... | 19 |
| <i>Trichocereus tarijensis</i> (Vaupel) Werderm. wfo--- 0001289523..... | 349 | <i>Trichopuntia vestita</i> (Salm-Dyck) Guiggi wfo---0000750234 | 19 |
| <i>Trichocereus tarijensis</i> var. <i>densispinus</i> F.Ritter wfo--- 0001434480..... | 350 | <i>Trochilocactus eichlamii</i> (Weing.) Linding. wfo--- 0001287967..... | 82, 84 |
| <i>Trichocereus tarijensis</i> var. <i>orurensis</i> (Cárdenas) F.Ritter wfo---0001434481..... | 350 | <i>Trochilocactus</i> Linding. wfo---4000039435..... | 82 |
| <i>Trichocereus tarijensis</i> var. <i>poco</i> (Backeb.) F.Ritter wfo--- 0001434482..... | 350 | <i>Tunas fragilis</i> Nieuwl. & Lunell wfo---0000406842..... | 264 |
| <i>Trichocereus tarmaensis</i> Rauh & Backeb. wfo--- 0001287611..... | 369 | <i>Tunas</i> Lunell wfo---4000039576..... | 256 |
| <i>Trichocereus tenuiarboreus</i> F.Ritter wfo---0001289194..... | 377 | <i>Tunas polyacantha</i> (Haw.) Nieuwl. & Lunell wfo--- 0001269380..... | 269 |
| <i>Trichocereus tenuispinus</i> F.Ritter wfo---0001284310..... | 182 | <i>Tunilla albisaetacens</i> (Backeb.) D.R.Hunt & Iliff wfo--- 0001283645..... | 7 |
| <i>Trichocereus tephraacanthus</i> (Link & Otto) Borg wfo--- 0000406814..... | 283 | <i>Tunilla chilensis</i> (F.Ritter) D.R.Hunt & Iliff wfo--- 0000406839..... | 7 |
| <i>Trichocereus terscheckii</i> (J.Parm. ex Pfeiff.) Britton & Rose wfo---0001289165..... | 180 | <i>Tunilla corrugata</i> (Gillies ex Loudon) D.R.Hunt & Iliff wfo--- 0000406825..... | 8 |
| | | <i>Tunilla</i> D.R.Hunt & Iliff wfo---4000039580..... | 7 |
| | | <i>Tunilla erectoclada</i> (Backeb.) D.R.Hunt & Iliff wfo--- 0000406826..... | 8 |
| | | <i>Tunilla ianthinantha</i> (F.Ritter) D.R.Hunt & Iliff wfo--- 0000406827..... | 8 |

| | | | |
|---|-----|---|-----|
| <i>Tunilla microdisca</i> (F.A.C.Weber) D.R.Hunt & Iliff wfo--- 0000406828..... | 8 | <i>Turbinacarpus xcalopsis</i> Halda & Panar. wfo---0000415173 | 371 |
| <i>Tunilla minuscula</i> (Backeb.) D.R.Hunt & Iliff wfo--- 0000406829..... | 8 | <i>Turbinacarpus xcalozonus</i> Halda & Panar. wfo--- 0000415174..... | 371 |
| <i>Tunilla orurensis</i> (Cárdenas) D.R.Hunt & Iliff wfo--- 0001283651..... | 8 | <i>Turbinacarpus xcalvescens</i> Halda & Panar. wfo--- 0000415175..... | 371 |
| <i>Tunilla picardoi</i> (Marn.-Lap.) D.R.Hunt & Iliff wfo--- 0000508057..... | 8 | <i>Turbinacarpus xcamelliflorus</i> Halda & Panar. wfo--- 0000415177..... | 371 |
| <i>Tunilla picardoi</i> Marn.-Lap. ex Guiggi & Delanoy wfo--- 0000406831..... | 8 | <i>Turbinacarpus xcampanularis</i> Halda & Panar. wfo--- 0000415178..... | 371 |
| <i>Tunilla silvestris</i> (Backeb.) D.R.Hunt & Iliff wfo--- 0000406824..... | 8 | <i>Turbinacarpus xcandidulus</i> Halda & Panar. wfo--- 0000415179..... | 371 |
| <i>Tunilla soehrensii</i> (Britton & Rose) D.R.Hunt & Iliff wfo--- 0001283650..... | 7 | <i>Turbinacarpus xcarneolus</i> Halda & Panar. wfo--- 0000415154..... | 371 |
| <i>Tunilla tilcarensis</i> (Backeb.) D.R.Hunt & Iliff wfo--- 0000406834..... | 9 | <i>Turbinacarpus xcintiae</i> Halda & Panar. wfo---0000415169 | 371 |
| <i>Turbinacarpus</i> (Backeb.) Buxb. & Backeb. wfo--- 4000039593..... | 370 | <i>Turbinacarpus xconcinnus</i> Halda & Panar. wfo--- 0000415168..... | 371 |
| <i>Turbinacarpus xadmirabilis</i> Halda & Panar. wfo--- 0000415137..... | 370 | <i>Turbinacarpus xdelicatus</i> Halda & Panar. wfo---0000415146 | 371 |
| <i>Turbinacarpus xadronatus</i> Halda & Panar. wfo--- 0000415138..... | 370 | <i>Turbinacarpus xdubienorum</i> Halda, Kracík & Malina wfo--- 0000415147..... | 371 |
| <i>Turbinacarpus xaemulus</i> Halda & Panar. wfo---0000415139 | 370 | <i>Turbinacarpus xkubesii</i> Halda & Kupčák wfo---0000406804 | 172 |
| <i>Turbinacarpus xaequalis</i> Halda & Panar. wfo---0000415140 | 370 | <i>Turbinacarpus xmombergeri</i> Říha wfo---0001254440 | 372 |
| <i>Turbinacarpus xagatolepis</i> Halda & Panar. wfo--- 0000415141..... | 370 | <i>Turbinacarpus xpulcherrimus</i> Halda & Panar. wfo--- 0000415150..... | 372 |
| <i>Turbinacarpus xalbellus</i> Halda & Panar. wfo---0000415152 | 370 | <i>Turbinacarpus xroseiflorus</i> Backeb. wfo---0001286375.. | 373 |
| <i>Turbinacarpus xamabilis</i> Halda & Panar. wfo---0000415136 | 370 | <i>Turbinacarpus alonsoi</i> Glass & S.Arias wfo---0001256570 | 370 |
| <i>Turbinacarpus xamiantus</i> Halda & Panar. wfo--- 0000415142..... | 370 | <i>Turbinacarpus andersonii</i> (Mosco) D.Donati wfo--- 0000406835..... | 373 |
| <i>Turbinacarpus xamoenus</i> Halda & Panar. wfo--- 0000415158..... | 370 | <i>Turbinacarpus beguinii</i> (N.P.Taylor) Mosco & Zanov. wfo--- 0001256572..... | 319 |
| <i>Turbinacarpus xampliflorus</i> Halda & Panar. wfo--- 0000415159..... | 370 | <i>Turbinacarpus beguinii</i> subsp. <i>haenkeanus</i> Halda, Horáček & Malina wfo---0001434488..... | 319 |
| <i>Turbinacarpus xanomalous</i> Halda & Panar. wfo--- 0000415160..... | 370 | <i>Turbinacarpus beguinii</i> subsp. <i>hintoniorum</i> A.Hofer wfo--- 0001434489..... | 319 |
| <i>Turbinacarpus xanosmus</i> Halda & Panar. wfo---0000415161 | 370 | <i>Turbinacarpus beguinii</i> subsp. <i>pailanus</i> (Halda & Panar.) U.Guzmán wfo---0001286351..... | 320 |
| <i>Turbinacarpus xantiquorum</i> Halda & Panar. wfo--- 0000415162..... | 370 | <i>Turbinacarpus beguinii</i> subsp. <i>senilis</i> Zachar & Lux wfo--- 0001434490..... | 319 |
| <i>Turbinacarpus xascocalyx</i> Halda & Panar. wfo--- 0000415163..... | 370 | <i>Turbinacarpus beguinii</i> subsp. <i>zaragozae</i> (Glass & R.A.Foster) D.R.Hunt wfo---0001434491..... | 320 |
| <i>Turbinacarpus xassimilis</i> Halda & Panar. wfo---0000415164 | 370 | <i>Turbinacarpus boedekerianus</i> García-Mor., Gonz.-Bot., Matusz., Nitzschke & Iamónico wfo---0001434492 ... | 371 |
| <i>Turbinacarpus xasteroides</i> Halda & Panar. wfo--- 0000415165..... | 370 | <i>Turbinacarpus bonatzii</i> Gerhart Frank wfo---0001256571 | 371 |
| <i>Turbinacarpus xattenuatus</i> Halda & Panar. wfo--- 0000415167..... | 371 | <i>Turbinacarpus booleanus</i> G.S.Hinton wfo---0001254439 | 320 |
| <i>Turbinacarpus xazanthus</i> Halda & Panar. wfo--- 0000415180..... | 371 | <i>Turbinacarpus dickisoniae</i> (Glass & R.A.Foster) Glass & A.Hofer wfo---0001286355..... | 371 |
| <i>Turbinacarpus xbellatulus</i> Halda & Panar. wfo--- 0000415157..... | 371 | <i>Turbinacarpus ellisiae</i> Halda, Kupčák & Panar. wfo--- 0000415148..... | 374 |
| <i>Turbinacarpus xbicolor</i> Halda & Panar. wfo---0000415170 | 371 | <i>Turbinacarpus flaviflorus</i> Gerhart Frank & A.B.Lau wfo--- 0001256594..... | 371 |
| <i>Turbinacarpus xbrachypus</i> Halda & Panar. wfo--- 0000415171..... | 371 | <i>Turbinacarpus gautii</i> (L.D.Benson) Zimmerman wfo--- 0001289789..... | 339 |
| <i>Turbinacarpus xcallichromus</i> Halda & Panar. wfo--- 0000415172..... | 371 | <i>Turbinacarpus gielsdorfianus</i> (Werderm.) John & Říha wfo-- -0001256573..... | 372 |
| | | <i>Turbinacarpus gracilis</i> Glass & R.A.Foster wfo--- 0001256598..... | 374 |

| | | | |
|--|-----|--|-----|
| <i>Turbinicarpus gracilis</i> subsp. <i>dicksoniae</i> (Glass & R.A.Foster) Panar. wfo--0001286358 | 371 | <i>Turbinicarpus macrochele</i> var. <i>polaskii</i> P.Lechner & Jantschgi wfo--0001434508 | 375 |
| <i>Turbinicarpus graminispinus</i> Matusz., Myšák & Jiruše wfo--0000750230 | 372 | <i>Turbinicarpus major</i> (Glass & R.A.Foster) D.Donati wfo--0000406811 | 376 |
| <i>Turbinicarpus heliae</i> García-Mor., Díaz-Salím & Gonz.-Bot. wfo--0001434493 | 172 | <i>Turbinicarpus mandragora</i> (Frič ex A.Berger) A.D.Zimmerman wfo--0001289790 | 320 |
| <i>Turbinicarpus hoferi</i> Lüthy & A.B.Lau wfo--0001256574 | 372 | <i>Turbinicarpus mandragora</i> subsp. <i>beguinii</i> (N.P.Taylor) Lüthy wfo--0001286350 | 319 |
| <i>Turbinicarpus horripilus</i> (Lem.) V.John & Říha wfo--0001256575 | 172 | <i>Turbinicarpus mandragora</i> subsp. <i>booleanus</i> (G.S.Hinton) Lüthy wfo--0001434509 | 320 |
| <i>Turbinicarpus horripilus</i> subsp. <i>kvetae</i> (Chvastek & Halda) Chvastek & Halda wfo--0001434494 | 172 | <i>Turbinicarpus mandragora</i> subsp. <i>pailanus</i> (Halda & Panar.) Lüthy wfo--0001286353 | 320 |
| <i>Turbinicarpus horripilus</i> subsp. <i>wrobelianus</i> Nitzschke & Montes wfo--0000406802 | 172 | <i>Turbinicarpus mandragora</i> subsp. <i>subterraneus</i> (Backeb.) Lüthy wfo--0001434510 | 320 |
| <i>Turbinicarpus horripilus</i> var. <i>wrobelianus</i> (Nitzschke & Montes) D.Donati & Zanov. wfo--0001434495 | 172 | <i>Turbinicarpus mandragora</i> subsp. <i>zaragosae</i> (Glass & R.A.Foster) Lüthy wfo--0001434511 | 320 |
| <i>Turbinicarpus jauernigii</i> Gerhart Frank wfo--0001256577 | 372 | <i>Turbinicarpus mombergeri</i> Říha wfo--0000406807 | 372 |
| <i>Turbinicarpus klinkerianus</i> Backeb. & H.Jacobsen wfo--0001256597 | 374 | <i>Turbinicarpus nieblae</i> García-Mor., Mart.-Aval. & Bergm.Beck. wfo--0000508058 | 372 |
| <i>Turbinicarpus klinkerianus</i> subsp. <i>hiemalis</i> D.Donati & Zanov. wfo--0001434496 | 374 | <i>Turbinicarpus nikolae</i> Šnicer, Myšák, Zachar & Jiruše wfo--0001434512 | 372 |
| <i>Turbinicarpus klinkerianus</i> subsp. <i>planiziei</i> D.Donati & Zanov. wfo--0001434497 | 374 | <i>Turbinicarpus pailanus</i> Halda & Panar. wfo--0001286354 | 320 |
| <i>Turbinicarpus klinkerianus</i> subsp. <i>schwarzii</i> (Shurly) D.Donati wfo--0001434498 | 375 | <i>Turbinicarpus paoloi</i> (Halda & Kupčák) Halda & Malina wfo--0000415149 | 373 |
| <i>Turbinicarpus knuthianus</i> (Boed.) V.John & Říha wfo--0001256578 | 372 | <i>Turbinicarpus polaskii</i> Backeb. wfo--0000406808 | 375 |
| <i>Turbinicarpus krainzianus</i> (Gerhart Frank) Backeb. wfo--0001286367 | 172 | <i>Turbinicarpus pseudomacrochele</i> (Backeb.) Buxb. & Backeb. wfo--0001256582 | 172 |
| <i>Turbinicarpus krainzianus</i> f. <i>lausseri</i> (Diers & Gerhart Frank) D.Donati wfo--0001434499 | 173 | <i>Turbinicarpus pseudomacrochele</i> f. <i>lausseri</i> (Diers & Gerhart Frank) Panar. wfo--0001434513 | 173 |
| <i>Turbinicarpus krainzianus</i> f. <i>minimus</i> G.Frank wfo--0001286371 | 173 | <i>Turbinicarpus pseudomacrochele</i> f. <i>minimus</i> (G.Frank) Zachar wfo--0001286374 | 173 |
| <i>Turbinicarpus krainzianus</i> subsp. <i>minimus</i> (G.Frank) Lüthy & A.Hofer wfo--0001286372 | 173 | <i>Turbinicarpus pseudomacrochele</i> subsp. <i>krainzianus</i> (Gerhart Frank) Glass wfo--0001286359 | 172 |
| <i>Turbinicarpus krainzianus</i> var. <i>minimus</i> (G.Frank) Diers wfo--0001286373 | 173 | <i>Turbinicarpus pseudomacrochele</i> subsp. <i>lausseri</i> (Diers & Gerhart Frank) Glass wfo--0001256585 | 173 |
| <i>Turbinicarpus laui</i> Glass & R.A.Foster wfo--0001256579 | 372 | <i>Turbinicarpus pseudomacrochele</i> subsp. <i>minimus</i> (G.Frank) Lüthy & A.Hofer wfo--0001286370 | 173 |
| <i>Turbinicarpus lophophoroides</i> (Werderm.) Buxb. & Backeb. wfo--0001256580 | 372 | <i>Turbinicarpus pseudomacrochele</i> var. <i>alenae</i> Halda & Kupčák wfo--0001434514 | 172 |
| <i>Turbinicarpus lophophoroides</i> subsp. <i>jauernigii</i> (Gerhart Frank) Battaia & Zanov. wfo--0001434500 | 372 | <i>Turbinicarpus pseudomacrochele</i> var. <i>krainzianus</i> (Gerhart Frank) Glass & R.A.Foster wfo--0001286368 | 172 |
| <i>Turbinicarpus macrochele</i> (Werderm.) Buxb. & Backeb. wfo--0001286468 | 374 | <i>Turbinicarpus pseudomacrochele</i> var. <i>lausseri</i> Diers & Gerhart Frank wfo--0001256586 | 173 |
| <i>Turbinicarpus macrochele</i> subsp. <i>andersonii</i> (Mosco) Doweld wfo--0001286390 | 373 | <i>Turbinicarpus pseudomacrochele</i> var. <i>sphacellatus</i> Diers & Gerhart Frank wfo--0001286369 | 173 |
| <i>Turbinicarpus macrochele</i> subsp. <i>flaviflorus</i> (Gerhart Frank & A.B.Lau) Doweld wfo--0001434501 | 371 | <i>Turbinicarpus pseudopectinatus</i> (Backeb.) Glass & R.A.Foster wfo--0001256587 | 372 |
| <i>Turbinicarpus macrochele</i> subsp. <i>frailensis</i> P.Lechner & Jantschgi wfo--0001434502 | 374 | <i>Turbinicarpus pseudopectinatus</i> subsp. <i>jarmilae</i> Halda & Chvastek wfo--0001434515 | 372 |
| <i>Turbinicarpus macrochele</i> subsp. <i>klinkerianus</i> (Backeb. & H.Jacobsen) Doweld wfo--0001434503 | 374 | <i>Turbinicarpus pseudopectinatus</i> var. <i>jarmilae</i> (Halda & Chvastek) Zachar wfo--0001434516 | 372 |
| <i>Turbinicarpus macrochele</i> subsp. <i>kupcakii</i> Halda & Horáček wfo--0001434504 | 374 | <i>Turbinicarpus rioverdensis</i> Gerhart Frank wfo--0001256589 | 373 |
| <i>Turbinicarpus macrochele</i> subsp. <i>polaskii</i> (P.Lechner & Jantschgi) D.Donati wfo--0001434505 | 375 | <i>Turbinicarpus rioverdensis</i> subsp. <i>paoloi</i> Halda & Kupčák wfo--0000415151 | 373 |
| <i>Turbinicarpus macrochele</i> subsp. <i>schwarzii</i> (Shurly) Doweld wfo--0001434506 | 375 | <i>Turbinicarpus saueri</i> (Boed.) John & Říha wfo--0001256590 | 373 |
| <i>Turbinicarpus macrochele</i> subsp. <i>valteri</i> D.Donati & Zanov. wfo--0001434507 | 374 | <i>Turbinicarpus saueri</i> subsp. <i>gonzalezii</i> Pavlíček & Zatloukal wfo--0001434517 | 373 |
| | | <i>Turbinicarpus saueri</i> subsp. <i>knuthianus</i> (Boed.) Lüthy wfo--0001286376 | 372 |

| | | | |
|---|---------------|--|-----|
| <i>Turbincarpus saueri</i> subsp. <i>nelissae</i> Halda & Panar. wfo--0001434518..... | 373 | <i>Turbincarpus schmiedickeanus</i> var. <i>panarottoi</i> Říha wfo--0001286392..... | 373 |
| <i>Turbincarpus saueri</i> subsp. <i>nieblae</i> (García-Mor., Mart.-Aval. & Bergm.Beck.) A.Hofer wfo--0001434519..... | 372 | <i>Turbincarpus schmiedickeanus</i> var. <i>polaskii</i> (Backeb.) Zachar, Staník, Lux & Dráb wfo--0001434532..... | 375 |
| <i>Turbincarpus saueri</i> subsp. <i>saueri</i> wfo--0001286380..... | 373 | <i>Turbincarpus schmiedickeanus</i> var. <i>rubriflorus</i> (Gerhart Frank) Zachar wfo--0001434533..... | 374 |
| <i>Turbincarpus saueri</i> subsp. <i>septentrionalis</i> Matusz. & Šnicer wfo--0001434520..... | 373 | <i>Turbincarpus schmiedickeanus</i> var. <i>schwarzii</i> (Shurly) Glass & R.A.Foster wfo--0001434534..... | 375 |
| <i>Turbincarpus saueri</i> subsp. <i>verduzcoi</i> Zachar & Lux wfo--0001434521..... | 373 | <i>Turbincarpus schwarzii</i> (Shurly) Backeb. wfo--0000406779..... | 375 |
| <i>Turbincarpus saueri</i> subsp. <i>ysabelae</i> (Schlange) Lüthy wfo--0001286384..... | 376 | <i>Turbincarpus schwarzii</i> var. <i>rubriflorus</i> Gerhart Frank wfo--0000406777..... | 374 |
| <i>Turbincarpus schmiedickeanus</i> (Boed.) Buxb. & Backeb. wfo--0001287969..... | 370, 372, 373 | <i>Turbincarpus subg. Kadenicarpus</i> (Doweld) D.Donati wfo--3500004032..... | 171 |
| <i>Turbincarpus schmiedickeanus</i> f. <i>schwarzii</i> (Shurly) Panar. wfo--0001434522..... | 375 | <i>Turbincarpus subg. Rapicactus</i> (Buxb. & Oehme) Zachar wfo--3500004035..... | 319 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>andersonii</i> Mosco wfo--0001286389..... | 373 | <i>Turbincarpus subterraneus</i> (Backeb.) A.D.Zimmerman wfo--0001289792..... | 320 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>bonatzii</i> (Gerhart Frank) Panar. wfo--0001286393..... | 371 | <i>Turbincarpus subterraneus</i> subsp. <i>booleanus</i> (G.S.Hinton) D.R.Hunt wfo--0001434535..... | 320 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>dickisoniae</i> (Glass & R.A.Foster) N.P.Taylor wfo--0001256592..... | 371 | <i>Turbincarpus subterraneus</i> subsp. <i>zaragosae</i> (Glass & R.A.Foster) Zachar wfo--0001434536..... | 320 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>flaviflorus</i> (Gerhart Frank & A.B.Lau) Glass & R.A.Foster wfo--0001256593..... | 371 | <i>Turbincarpus subterraneus</i> var. <i>zaragosae</i> (Glass & R.A.Foster) A.D.Zimmerman wfo--0001434537..... | 320 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>gracilis</i> (Glass & R.A.Foster) Glass wfo--0001256595..... | 374 | <i>Turbincarpus swobodae</i> Diers wfo--0001256602..... | 375 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>jauernigii</i> (Gerhart Frank) D.R.Hunt wfo--0001434523..... | 372 | <i>Turbincarpus valdezianus</i> (H.Moeller) Glass & R.A.Foster wfo--0001256603..... | 375 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>klinkerianus</i> (Backeb. & H.Jacobsen) Glass & R.A.Foster wfo--0001256596..... | 374 | <i>Turbincarpus valdezianus</i> var. <i>albiflorus</i> (Pazout) Zachar, Staník, Lux & Dráb wfo--0001434538..... | 375 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>macrochele</i> (Werderm.) N.P.Taylor wfo--0001256599..... | 374 | <i>Turbincarpus valdezianus</i> var. <i>pazoutii</i> Halda & Malina wfo--0001434539..... | 375 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>panarottoi</i> (Říha) Lüthy wfo--0001286391..... | 373 | <i>Turbincarpus viereckii</i> (Werderm.) John & Říha wfo--0001256605..... | 375 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>rioverdensis</i> (Gerhart Frank) Zachar wfo--0001286395..... | 373 | <i>Turbincarpus viereckii</i> subsp. <i>gielsdorffianus</i> (Werderm.) Zachar wfo--0001434540..... | 372 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>rubriflorus</i> (Gerhart Frank) Panar. wfo--0001434524..... | 374 | <i>Turbincarpus viereckii</i> subsp. <i>major</i> (Glass & R.A.Foster) Glass wfo--0001256607..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>sanchezii-mejoradae</i> García-Mor., Gonz.-Bot. & Vargas-Vázq. wfo--0001434525..... | 374 | <i>Turbincarpus viereckii</i> subsp. <i>neglectus</i> D.Donati & Zanov. wfo--0001434541..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>schmiedickeanus</i> wfo--0001256591..... | 374 | <i>Turbincarpus viereckii</i> subsp. <i>reconditus</i> Labhart wfo--0001434542..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> subsp. <i>schwarzii</i> (Shurly) N.P.Taylor wfo--0001256600..... | 375 | <i>Turbincarpus viereckii</i> subsp. <i>viereckii</i> wfo--0001256606..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>alенаe</i> Halda & Kupčák wfo--0001434526..... | 373 | <i>Turbincarpus viereckii</i> var. <i>major</i> (Glass & R.A.Foster) V.John & Říha wfo--0001434543..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>dickisoniae</i> Glass & R.A.Foster wfo--0001288321..... | 371 | <i>Turbincarpus viereckii</i> var. <i>neglectus</i> (D.Donati & Zanov.) Romulski wfo--0001434544..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>flaviflorus</i> (Gerhart Frank & A.B.Lau) Glass & R.A.Foster wfo--0001434527..... | 371 | <i>Turbincarpus viereckii</i> var. <i>reconditus</i> (Labhart) Romulski wfo--0001434545..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>gracilis</i> (Glass & R.A.Foster) Glass & R.A.Foster wfo--0001434528..... | 374 | <i>Turbincarpus ysabelae</i> (Schlange) John & Říha wfo--0001256608..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>klinkerianus</i> (Backeb. & H.Jacobsen) Glass & R.A.Foster wfo--0001434529..... | 374 | <i>Turbincarpus ysabelae</i> var. <i>brevispinus</i> (K.Schlange) V.John & Říha wfo--0001286388..... | 376 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>kupcakii</i> (Halda & Horáček) Halda & Horáček wfo--0001434530..... | 374 | <i>Turbincarpus zaragosae</i> (Glass & R.A.Foster) Glass & A.Hofer wfo--0000406776..... | 320 |
| <i>Turbincarpus schmiedickeanus</i> var. <i>macrochele</i> (Werderm.) Glass & R.A.Foster wfo--0001434531..... | 374 | <i>Turbincarpus zaragozae</i> (Glass & R.A.Foster) Glass & A.Hofer wfo--0001256610..... | 320 |
| | | <i>Uebelmannia</i> Buining wfo--4000039701..... | 376 |
| | | <i>Uebelmannia buiningii</i> Donald wfo--0000416273..... | 376 |
| | | <i>Uebelmannia centeteria</i> (Lehm. ex Pfeiff.) Schnabel wfo--0000416271..... | 413 |

| | | | |
|--|----------|--|----------|
| <i>Uebelmannia flavispina</i> Buining & Brederoo wfo-- 0001256612..... | 376 | <i>Weberbauerocereus fascicularis</i> (Meyen) Backeb. wfo-- 0001287699..... | 163, 377 |
| <i>Uebelmannia gummifera</i> (Backeb. & Voll) Buining wfo-- 0000416270..... | 376 | <i>Weberbauerocereus fascicularis</i> var. <i>horridispinus</i> F.Ritter wfo--0001287909..... | 378 |
| <i>Uebelmannia gummifera</i> subsp. <i>meninensis</i> (Buining) P.J.Braun & Esteves wfo--0001434546..... | 376 | <i>Weberbauerocereus horridispinus</i> Rauh & Backeb. wfo-- 0001287703..... | 377 |
| <i>Uebelmannia gummifera</i> var. <i>rubra</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001434547..... | 376 | <i>Weberbauerocereus johnsonii</i> F.Ritter wfo--0000427544 | 378 |
| <i>Uebelmannia horrida</i> (P.J.Braun) Anceschi & Magli wfo-- 0000745988..... | 376 | <i>Weberbauerocereus longicomus</i> F.Ritter wfo-- 0001287815..... | 377 |
| <i>Uebelmannia meninensis</i> Buining wfo--0000416269..... | 376 | <i>Weberbauerocereus madidiensis</i> Quispe & A.Fuentes wfo-- -0001039450..... | 377 |
| <i>Uebelmannia meninensis</i> var. <i>rubra</i> Buining & Brederoo wfo--0001434548..... | 376 | <i>Weberbauerocereus rauhii</i> Backeb. wfo--0001287701..... | 377 |
| <i>Uebelmannia pectinifera</i> Buining wfo--0000416268..... | 376 | <i>Weberbauerocereus rauhii</i> var. <i>laticornua</i> Rauh wfo-- 0001287702..... | 377 |
| <i>Uebelmannia pectinifera</i> subsp. <i>eriocactoides</i> (Řepka, Krajca & V.Toman) Guiggi wfo--0001434549..... | 376 | <i>Weberbauerocereus seiboldianus</i> Rauh & Backeb. wfo-- 0001287700..... | 377 |
| <i>Uebelmannia pectinifera</i> subsp. <i>flavispina</i> (Buining & Brederoo) P.J.Braun & Esteves wfo--0001256613..... | 376 | <i>Weberbauerocereus torataensis</i> F.Ritter wfo--0001287910 | 377 |
| <i>Uebelmannia pectinifera</i> subsp. <i>horrida</i> (P.J.Braun) P.J.Braun & Esteves wfo--0001256614..... | 376 | <i>Weberbauerocereus weberbaueri</i> (K.Schum. ex Vaupel) Backeb. wfo--0001287704..... | 377 |
| <i>Uebelmannia pectinifera</i> subsp. <i>pectinifera</i> wfo-- 0001256611..... | 376 | <i>Weberbauerocereus weberbaueri</i> var. <i>aureifuscus</i> Rauh & Backeb. wfo--0001287705..... | 377 |
| <i>Uebelmannia pectinifera</i> var. <i>eriocactoides</i> Řepka, Krajca & V.Toman wfo--0001434550..... | 376 | <i>Weberbauerocereus weberbaueri</i> var. <i>horribilis</i> Rauh & Backeb. wfo--0001287706..... | 377 |
| <i>Uebelmannia pectinifera</i> var. <i>horrida</i> P.J.Braun wfo-- 0001256615..... | 376 | <i>Weberbauerocereus weberbaueri</i> var. <i>horridispinus</i> (Rauh & Backeb.) F.Ritter wfo--0001287818..... | 377 |
| <i>Uebelmannia pectinifera</i> var. <i>multicostata</i> Buining & Brederoo wfo--0001434551..... | 376 | <i>Weberbauerocereus weberbaueri</i> var. <i>humilior</i> Rauh & Backeb. wfo--0001287707..... | 378 |
| <i>Uebelmannia pectinifera</i> var. <i>pseudopectinifera</i> Buining wfo--0001434552..... | 376 | <i>Weberbauerocereus winterianus</i> F.Ritter wfo-- 0001287812..... | 378 |
| <i>Ursopuntia</i> P.V.Heath wfo--4000039880..... | 362 | <i>Weberbauerocereus winterianus</i> var. <i>australis</i> F.Ritter wfo-- -0001287813..... | 378 |
| <i>Ursopuntia textoris</i> P.V.Heath wfo--0000415470..... | 364 | <i>Weberiopuntia</i> Frič ex Kreuz. wfo--4000042513..... | 362 |
| <i>Ursopuntia textoris</i> var. <i>deminuta</i> (Rausch) P.V.Heath wfo-- -0001434553..... | 364 | <i>Weberocereus ackermannii</i> (Haw.) S.S.Ying wfo-- 0001434557..... | 83 |
| <i>Ursopuntia textoris</i> var. <i>dispar</i> (A.Cast. & H.V.Lelong) P.V.Heath wfo--0001434554..... | 364 | <i>Weberocereus alliodorus</i> Gómez-Hin. & H.M.Hern. wfo-- 0001434558..... | 340 |
| <i>Ursopuntia textoris</i> var. <i>setiger</i> (Backeb.) P.V.Heath wfo-- 0001434555..... | 364 | <i>Weberocereus biolleyi</i> (F.A.C.Weber) Britton & Rose wfo-- 0001287952..... | 378 |
| <i>Utahia</i> Britton & Rose wfo--4000039901..... | 300 | <i>Weberocereus biolleyi</i> subsp. <i>panamensis</i> (Britton & Rose) Doweld wfo--0001434559..... | 378 |
| <i>Utahia peeblesiana</i> (Croizat) Kladiwa wfo--0001266511 | 301 | <i>Weberocereus bradei</i> (Britton & Rose) G.D.Rowley wfo-- 0001289656..... | 378 |
| <i>Utahia sileri</i> (Engelm. ex J.M.Coult.) Britton & Rose wfo-- 0001288038..... | 300, 301 | <i>Weberocereus</i> Britton & Rose wfo--4000040571..... | 378 |
| <i>Vatricania</i> Backeb. wfo--4000040065..... | 376 | <i>Weberocereus estrellensis</i> (F.A.C.Weber ex Wercklé) Doweld wfo--0000427538..... | 378 |
| <i>Vatricania guentheri</i> (Kupper) Backeb. wfo--0001289044 | 376, 377 | <i>Weberocereus frohningiorum</i> Ralf Bauer wfo-- 0000427548..... | 378 |
| <i>Weberbauerocereus albus</i> F.Ritter wfo--0001287814..... | 377 | <i>Weberocereus glaber</i> (Eichlam) G.D.Rowley wfo-- 0000427534..... | 341 |
| <i>Weberbauerocereus</i> Backeb. wfo--4000040570..... | 377 | <i>Weberocereus glaber</i> subsp. <i>glaber</i> wfo--0001271811..... | 341 |
| <i>Weberbauerocereus callanus</i> Hutchison wfo--0001287084 | 422 | <i>Weberocereus glaber</i> subsp. <i>mirandae</i> (Bravo) Doweld wfo--0001271810..... | 341 |
| <i>Weberbauerocereus cephalomacrostibas</i> (Werderm. & Backeb.) F.Ritter wfo--0001287817..... | 377 | <i>Weberocereus glaber</i> var. <i>mirandae</i> (Bravo) Eliasson wfo-- 0001289657..... | 341 |
| <i>Weberbauerocereus churinensis</i> F.Ritter wfo--0001287816 | 377 | <i>Weberocereus imitans</i> (Kimmach & Hutchison) Buxb. wfo-- 0000427536..... | 378 |
| <i>Weberbauerocereus crassiarborescens</i> F.Ritter wfo-- 0001289210..... | 377 | <i>Weberocereus panamensis</i> Britton & Rose wfo-- 0001287176..... | 378 |
| <i>Weberbauerocereus cuzcoensis</i> Kníže wfo--0001287819 | 377 | <i>Weberocereus rosei</i> (Kimmach) Buxb. wfo--0001289378 | 378 |
| <i>Weberbauerocereus cuzcoensis</i> var. <i>tenuarboreus</i> F.Ritter wfo--0001287820..... | 377 | | |
| <i>Weberbauerocereus cuzcoensis</i> var. <i>tenuarboreus</i> F.Ritter wfo--0001434556..... | 377 | | |

| | | | |
|--|-----|--|----------|
| <i>Weberocereus tonduzii</i> (F.A.C.Weber) G.D.Rowley wfo-- 0001289655..... | 344 | <i>Weingartia caineana</i> (Cárdenas) F.H.Brandt wfo-- 0000427555 | 379 |
| <i>Weberocereus trichophorus</i> H.Johnson & Kimmach wfo-- 0001289107..... | 378 | <i>Weingartia callecalleensis</i> F.H.Brandt wfo--0001262977380 | |
| <i>Weberocereus tunilla</i> (F.A.C.Weber) Britton & Rose wfo-- 0001287955..... | 378 | <i>Weingartia camargoensis</i> (Gertel & Jucker) Amerhauser & K.Augustin wfo--0001434573 | 407 |
| <i>Weberocereus tunilla</i> subsp. <i>biolleyi</i> (F.A.C.Weber) Ralf Bauer wfo--0001434560..... | 378 | <i>Weingartia candiae</i> (Cárdenas) F.H.Brandt wfo-- 0000430804 | 379 |
| <i>Weberocereus tunilla</i> subsp. <i>tunilla</i> wfo--0001434970 | 378 | <i>Weingartia canigueralii</i> (Cárdenas) F.H.Brandt wfo-- 0000427558 | 379 |
| <i>Weingartia aglaia</i> F.H.Brandt wfo--0001262981 | 324 | <i>Weingartia cantargalloensis</i> (Gertel, Jucker & J.de Vries) Hentzschel & K.Augustin wfo--0000510631 | 381 |
| <i>Weingartia alba</i> (Rausch) F.H.Brandt wfo--0000427561 | 380 | <i>Weingartia caracarensis</i> (Cárdenas) F.H.Brandt wfo-- 0000427537 | 380 |
| <i>Weingartia albaoides</i> F.H.Brandt wfo--0001262905..... | 380 | <i>Weingartia cardenasiana</i> (R.Vásquez) F.H.Brandt wfo-- 0000427510 | 381 |
| <i>Weingartia albaoides</i> subsp. <i>subfusca</i> F.H.Brandt wfo-- 0001434561..... | 381 | <i>Weingartia chilensis</i> (Backeb.) Backeb. wfo--0001287970 | 255 |
| <i>Weingartia albaoides</i> subsp. <i>subfuscata</i> F.H.Brandt wfo-- 0001262907..... | 381 | <i>Weingartia chuquichuquinensis</i> F.H.Brandt wfo-- 0001434971 | 385 |
| <i>Weingartia albissima</i> F.H.Brandt wfo--0001246311..... | 383 | <i>Weingartia cintia</i> (Hjertson) Hentzschel & K.Augustin wfo-- -0001434574 | 382 |
| <i>Weingartia ambigua</i> (Hildm. ex K.Schum.) Backeb. wfo-- 0000427550..... | 57 | <i>Weingartia cintiensis</i> Cárdenas wfo--0001252397 | 383 |
| <i>Weingartia ansaldoensis</i> F.H.Brandt wfo--0001246314 | 324 | <i>Weingartia clavata</i> F.H.Brandt wfo--0001246322 | 324 |
| <i>Weingartia arenacea</i> (Cárdenas) F.H.Brandt wfo-- 0000427552..... | 379 | <i>Weingartia coloradensis</i> Diers & Jucker wfo--0001434972 | 385 |
| <i>Weingartia arenacea</i> subsp. <i>candiae</i> (Cárdenas) Lodé wfo-- -0001434562 | 379 | <i>Weingartia columnaris</i> F.H.Brandt wfo--0000427511.. | 385 |
| <i>Weingartia arenacea</i> subsp. <i>kamiensis</i> (Brederoo & Donald) Lodé wfo--0001434563..... | 379 | <i>Weingartia corroana</i> (Cárdenas) Cárdenas wfo-- 0001277446 | 384 |
| <i>Weingartia arenacea</i> subsp. <i>menesesii</i> (Cárdenas) Lodé wfo--0001434564..... | 379 | <i>Weingartia crispata</i> (Rausch) F.H.Brandt wfo-- 0000427512 | 382 |
| <i>Weingartia arenacea</i> var. <i>candiae</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434565..... | 379 | <i>Weingartia crispata</i> subsp. <i>hertusii</i> (Halda & Horáček) Lodé wfo--0001434973 | 382 |
| <i>Weingartia arenacea</i> var. <i>kamiensis</i> (Brederoo & Donald) Hentzschel & K.Augustin wfo--0001434566..... | 379 | <i>Weingartia crispata</i> subsp. <i>hertusii</i> (Halda & Horáček) Lodé wfo--0001434575..... | 382 |
| <i>Weingartia arenacea</i> var. <i>menesesii</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434567 | 379 | <i>Weingartia crispata</i> var. <i>hertusii</i> (Halda & Horáček) Hentzschel & K.Augustin wfo--0001434576 | 382 |
| <i>Weingartia attenuata</i> F.H.Brandt wfo--0000427553 | 385 | <i>Weingartia croceareolata</i> F.H.Brandt wfo--0001246324 | 381 |
| <i>Weingartia augustini</i> (Hentzschel) Hentzschel & K.Augustin wfo--0000510627 | 384 | <i>Weingartia cumingii</i> (Hopffer) Backeb. & Oosten wfo-- 0001286027 | 384 |
| <i>Weingartia augustinii</i> (Hentzschel) Hentzschel & K.Augustin wfo--0001434568..... | 384 | <i>Weingartia cuprea</i> (Rausch) Hentzschel & K.Augustin wfo-- -0000510632 | 380 |
| <i>Weingartia aureispina</i> F.H.Brandt wfo--0001262910 | 380 | <i>Weingartia cylindrica</i> (Donald & A.B.Lau) F.H.Brandt wfo-- 0000427515 | 382 |
| <i>Weingartia azurduyensis</i> (Gertel, Jucker & J.de Vries) Hentzschel & K.Augustin wfo--0000510628..... | 379 | <i>Weingartia cylindrica</i> subsp. <i>crucensis</i> (Donald ex Gertel) Lodé wfo--0001434577 | 382 |
| <i>Weingartia backebergiana</i> F.H.Brandt wfo--0001262969 | 324 | <i>Weingartia cylindrica</i> var. <i>crucensis</i> (Donald ex Gertel) Hentzschel & K.Augustin wfo--0001434578 | 382 |
| <i>Weingartia brachygraphisa</i> F.H.Brandt wfo--0001246315 | 385 | <i>Weingartia dorana</i> (Gertel) Hentzschel & K.Augustin wfo-- 0000510633 | 382 |
| <i>Weingartia breviflora</i> (Backeb.) F.H.Brandt wfo-- 0000427554..... | 379 | <i>Weingartia electracantha</i> (Backeb.) F.H.Brandt wfo-- 0000427509 | 325 |
| <i>Weingartia breviflora</i> (Backeb.) Hentzschel & K.Augustin wfo--0000510630..... | 379 | <i>Weingartia elizabethae</i> (J.de Vries) Hentzschel & K.Augustin wfo--0000510634 | 381 |
| <i>Weingartia breviflora</i> subsp. <i>haseltonii</i> (Cárdenas) Lodé wfo--0001434569..... | 379 | <i>Weingartia erinacea</i> F.Ritter wfo--0001284435 | 384 |
| <i>Weingartia breviflora</i> subsp. <i>loui</i> (Diers) Lodé wfo-- 0001434570..... | 379 | <i>Weingartia erinacea</i> var. <i>catarirensis</i> F.Ritter wfo-- 0001434579 | 384 |
| <i>Weingartia breviflora</i> var. <i>haseltonii</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434571 | 379 | <i>Weingartia fidana</i> (Backeb.) Werderm. wfo--0001252398 | 378, 382 |
| <i>Weingartia breviflora</i> var. <i>loui</i> (Diers) Hentzschel & K.Augustin wfo--0001434572..... | 379 | <i>Weingartia fidana</i> subsp. <i>amerhauseri</i> K.Augustin wfo-- 0001434580 | 383 |
| <i>Weingartia brevispina</i> F.H.Brandt wfo--0001246317..... | 380 | | |
| <i>Weingartia buiningiana</i> F.Ritter wfo--0001246321 | 385 | | |

| | | | |
|---|-----|---|-----|
| <i>Weingartia fidana</i> subsp. <i>cintiensis</i> (Cárdenas) Donald wfo--0001252400..... | 383 | <i>Weingartia mairanana</i> F.H.Brandt wfo--0001246327.. | 385 |
| <i>Weingartia fidana</i> subsp. <i>fidana</i> wfo--0001434974..... | 383 | <i>Weingartia margarethae</i> (Rausch) F.H.Brandt wfo-- 0000427525..... | 323 |
| <i>Weingartia fischeriana</i> (K.Augustin) Hentzschel & K.Augustin wfo--0000510635..... | 381 | <i>Weingartia mariana</i> (Swoboda) Hentzschel & K.Augustin wfo--0000510643..... | 386 |
| <i>Weingartia flavida</i> F.H.Brandt wfo--0001262941..... | 383 | <i>Weingartia mariana</i> var. <i>laui</i> (Brederoo & Donald) Hentzschel & K.Augustin wfo--0001434586..... | 386 |
| <i>Weingartia flavissima</i> (Rausch) F.H.Brandt wfo-- 0000427516..... | 383 | <i>Weingartia mariana</i> var. <i>prantneri</i> (K.Augustin & Hentzschel) Hentzschel & K.Augustin wfo--0001434587 | 325 |
| <i>Weingartia formosa</i> F.H.Brandt wfo--0001246325..... | 383 | <i>Weingartia markusii</i> (Rausch) F.H.Brandt wfo-- 0000427526..... | 383 |
| <i>Weingartia frankiana</i> (Rausch) F.H.Brandt wfo-- 0000427504..... | 380 | <i>Weingartia markusii</i> var. <i>mizquensis</i> (Rausch) Hentzschel & K.Augustin wfo--0001434588..... | 324 |
| <i>Weingartia frey-juckeri</i> Diers & K.Augustin wfo-- 0000510638..... | 422 | <i>Weingartia markusii</i> var. <i>tintiniensis</i> (Gertel) Hentzschel & K.Augustin wfo--0001434589..... | 384 |
| <i>Weingartia gemmae</i> (Mosti & Rovida) Hentzschel & K.Augustin wfo--0000510639..... | 381 | <i>Weingartia mataralensis</i> F.H.Brandt wfo--0001246328385 | |
| <i>Weingartia gemmae</i> subsp. <i>naunacaensis</i> (J.de Vries) Gertel wfo--0001434581..... | 381 | <i>Weingartia menesesii</i> (Cárdenas) F.H.Brandt wfo-- 0000427527..... | 379 |
| <i>Weingartia gemmae</i> var. <i>elizabethae</i> (J.de Vries) Gertel wfo--0001434582..... | 381 | <i>Weingartia mentosa</i> (F.Ritter) F.H.Brandt wfo-- 0000427532..... | 383 |
| <i>Weingartia gemmae</i> var. <i>naunacaensis</i> (J.de Vries) Gertel wfo--0001434583..... | 381 | <i>Weingartia mentosa</i> subsp. <i>albissima</i> (F.H.Brandt) Lodé wfo--0001434590..... | 383 |
| <i>Weingartia glomeriseta</i> (Cárdenas) F.H.Brandt wfo-- 0000427513..... | 379 | <i>Weingartia mentosa</i> subsp. <i>cylindrica</i> (Donald & A.B.Lau) Gertel & J.de Vries wfo--0001434591..... | 382 |
| <i>Weingartia glomerispina</i> (Cárdenas) F.H.Brandt wfo-- 0000427500..... | 323 | <i>Weingartia mentosa</i> subsp. <i>swoboda</i> (K.Augustin) Lodé wfo--0001434592..... | 384 |
| <i>Weingartia gracilispina</i> F.Ritter wfo--0000427501..... | 385 | <i>Weingartia mentosa</i> var. <i>albissima</i> (F.H.Brandt) Hentzschel & K.Augustin wfo--0001434593..... | 383 |
| <i>Weingartia haseltonii</i> (Cárdenas) F.H.Brandt wfo-- 0000427502..... | 379 | <i>Weingartia mentosa</i> var. <i>crucensis</i> (Donald ex Gertel) Gertel & J.de Vries wfo--0001434975..... | 382 |
| <i>Weingartia hediniana</i> Backeb. wfo--0001284438..... | 384 | <i>Weingartia mentosa</i> var. <i>cylindrica</i> (Donald & A.B.Lau) Gertel & J.de Vries wfo--0001434594..... | 382 |
| <i>Weingartia heliosoides</i> (P.Lechner & Draxler) Hentzschel & K.Augustin wfo--0000510640..... | 381 | <i>Weingartia mentosa</i> var. <i>swoboda</i> (K.Augustin) Hentzschel & K.Augustin wfo--0001434595..... | 384 |
| <i>Weingartia hoffmanniana</i> (Backeb.) F.H.Brandt wfo-- 0000427547..... | 323 | <i>Weingartia minima</i> (Rausch) F.H.Brandt wfo--0001262999 | 324 |
| <i>Weingartia inflexiseta</i> (Cárdenas) F.H.Brandt wfo-- 0000427533..... | 380 | <i>Weingartia miranda</i> F.H.Brandt wfo--0000427523..... | 385 |
| <i>Weingartia jarmilae</i> Halda & Horáček wfo--0000427508 | 190 | <i>Weingartia mizquensis</i> (Rausch) F.H.Brandt wfo-- 0000427528..... | 324 |
| <i>Weingartia juckeri</i> (Gertel) Hentzschel & K.Augustin wfo-- 0000510641..... | 383 | <i>Weingartia multispina</i> F.Ritter wfo--0001284437..... | 385 |
| <i>Weingartia kargliana</i> Rausch wfo--0001246326..... | 383 | <i>Weingartia muschii</i> (R.Vásquez) F.H.Brandt wfo-- 0000427530..... | 379 |
| <i>Weingartia knizei</i> F.H.Brandt wfo--0001284436..... | 385 | <i>Weingartia naunacaensis</i> (J.de Vries) Hentzschel & K.Augustin wfo--0000510645..... | 381 |
| <i>Weingartia krahonii</i> (Rausch) F.H.Brandt wfo--0000427505 | 324 | <i>Weingartia neglecta</i> F.H.Brandt wfo--0000427531..... | 385 |
| <i>Weingartia kruegerae</i> (Cárdenas) F.H.Brandt wfo-- 0000427506..... | 383 | <i>Weingartia neocumingii</i> Backeb. wfo--0001287941..... | 384 |
| <i>Weingartia lanata</i> f. <i>platygona</i> (Cárdenas) Donald wfo-- 0001434584..... | 385 | <i>Weingartia neocumingii</i> subsp. <i>hediniana</i> (Backeb.) Lodé wfo--0001434596..... | 384 |
| <i>Weingartia lanata</i> F.Ritter wfo--0001252408..... | 384 | <i>Weingartia neocumingii</i> subsp. <i>pulquinensis</i> (Cárdenas) Donald wfo--0001434597..... | 384 |
| <i>Weingartia lanata</i> subsp. <i>longigibba</i> (F.Ritter) Donald wfo- --0001434585..... | 384 | <i>Weingartia neocumingii</i> subsp. <i>riograndensis</i> (F.Ritter) Lodé wfo--0001434598..... | 385 |
| <i>Weingartia lanata</i> subsp. <i>pilcomayensis</i> (Cárdenas) Donald wfo--0001252405..... | 385 | <i>Weingartia neocumingii</i> subsp. <i>sucrensis</i> (F.Ritter) Donald wfo--0001252411..... | 385 |
| <i>Weingartia lanata</i> subsp. <i>riograndensis</i> (F.Ritter) Donald wfo--0001249969..... | 385 | <i>Weingartia neocumingii</i> subsp. <i>trollii</i> (Oeser) Lodé wfo-- 0001434599..... | 385 |
| <i>Weingartia langeri</i> (K.Augustin & Hentzschel) Hentzschel & K.Augustin wfo--0000510642..... | 381 | <i>Weingartia neocumingii</i> var. <i>augustini</i> Amerh. wfo-- 0001434600..... | 385 |
| <i>Weingartia lecoriensis</i> Cárdenas wfo--0001289521..... | 383 | <i>Weingartia neocumingii</i> var. <i>corroana</i> Backeb. wfo-- 0001434976..... | 385 |
| <i>Weingartia lepida</i> (F.Ritter) F.H.Brandt wfo--0000427517 | 323 | | |
| <i>Weingartia longigibba</i> F.Ritter wfo--0001252406..... | 384 | | |
| <i>Weingartia losenickyana</i> (Rausch) F.H.Brandt wfo-- 0001284659..... | 380 | | |

| | | | |
|---|-----|--|-----|
| <i>Weingartia neocumingii</i> var. <i>hediniana</i> (Backeb.) Donald wfo--0001434601..... | 384 | <i>Weingartia purpurea</i> var. <i>unguispina</i> (Rausch) Hentzschel & K.Augustin wfo--0001434617..... | 386 |
| <i>Weingartia neocumingii</i> var. <i>hentszscheliana</i> Amerh. wfo-- 0001434602..... | 385 | <i>Weingartia pygmaea</i> F.Ritter wfo--0001246335..... | 383 |
| <i>Weingartia neocumingii</i> var. <i>koehresii</i> Oeser wfo-- 0001434603..... | 385 | <i>Weingartia rauschii</i> (G.Frank) F.H.Brandt wfo-- 0000427606..... | 380 |
| <i>Weingartia neocumingii</i> var. <i>lagarpampensis</i> Amerh. wfo-- -0001434604..... | 385 | <i>Weingartia riograndensis</i> F.Ritter wfo--0001249970 .. | 385 |
| <i>Weingartia neocumingii</i> var. <i>longigibba</i> (F.Ritter) K.Augustin & Hentzschel wfo--0001434605..... | 384 | <i>Weingartia ritteri</i> F.H.Brandt wfo--0001246336..... | 380 |
| <i>Weingartia neocumingii</i> var. <i>mairanensis</i> Donald wfo-- 0001246329..... | 385 | <i>Weingartia roberto-vasquezii</i> (Diers & Krahn) Hentzschel & K.Augustin wfo--0000510646..... | 382 |
| <i>Weingartia neocumingii</i> var. <i>multispina</i> (F.Ritter) Donald wfo--0001434606..... | 385 | <i>Weingartia rubroaurea</i> F.H.Brandt wfo--0001246340 .. | 381 |
| <i>Weingartia neocumingii</i> var. <i>trollii</i> (Oeser) Donald wfo-- 0001434977..... | 385 | <i>Weingartia rubro-aurea</i> F.H.Brandt wfo--0001434618 | 381 |
| <i>Weingartia neoneumanniana</i> Y.Itô wfo--0000427519.. | 382 | <i>Weingartia saetosa</i> F.H.Brandt wfo--0000427609 | 385 |
| <i>Weingartia neumanniana</i> (Backeb.) Werderm. wfo-- 0001264603..... | 382 | <i>Weingartia saipinensis</i> F.H.Brandt wfo--0001252402 .. | 385 |
| <i>Weingartia neumanniana</i> subsp. <i>amerhauseri</i> (K.Augustin) Slaba wfo--0001434607 | 383 | <i>Weingartia sanguineo-tarijensis</i> F.H.Brandt wfo-- 0001246343..... | 386 |
| <i>Weingartia neumanniana</i> subsp. <i>dagmariana</i> Slaba, Lad.Fisch. & Sochůrek wfo--0001434608 | 383 | <i>Weingartia sapi</i> F.H.Brandt wfo--0001246341..... | 422 |
| <i>Weingartia neumanniana</i> subsp. <i>kargliana</i> (Rausch) Slaba wfo--0001434609..... | 383 | <i>Weingartia saxatilis</i> F.H.Brandt wfo--0001262934..... | 380 |
| <i>Weingartia neumanniana</i> subsp. <i>pygmaea</i> (F.Ritter) Slaba wfo--0001434610..... | 383 | <i>Weingartia steinbachii</i> (Werderm.) F.H.Brandt wfo-- 0000430803..... | 323 |
| <i>Weingartia neumanniana</i> var. <i>aurantia</i> Backeb. wfo-- 0001434611..... | 383 | <i>Weingartia steinbachii</i> subsp. <i>kruegerae</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434619 | 383 |
| <i>Weingartia nigro-fusca</i> F.H.Brandt wfo--0001246330 | 324 | <i>Weingartia steinbachii</i> subsp. <i>markusii</i> (Rausch) Gertel & J.de Vries wfo--0001434620 | 383 |
| <i>Weingartia nigrofusca</i> F.H.Brandt wfo--0001434612 | 324 | <i>Weingartia steinbachii</i> subsp. <i>verticillacantha</i> (F.Ritter) Hentzschel & K.Augustin wfo--0001434621 | 325 |
| <i>Weingartia oenantha</i> (Rausch) F.H.Brandt wfo-- 0000427521..... | 324 | <i>Weingartia steinbachii</i> var. <i>hoffmannii</i> (K.Augustin & Hentzschel) Hentzschel & K.Augustin wfo--0001434622 | 325 |
| <i>Weingartia oligacantha</i> F.H.Brandt wfo--0001246332 | 386 | <i>Weingartia steinbachii</i> var. <i>horrida</i> (Rausch) Hentzschel & K.Augustin wfo--0001434623 | 324 |
| <i>Weingartia pampagrandsis</i> (Rausch) F.H.Brandt wfo-- 0000427522..... | 324 | <i>Weingartia steinbachii</i> var. <i>mizquensis</i> (Rausch) Gertel & J.de Vries wfo--0001434624 | 324 |
| <i>Weingartia pasopayana</i> F.H.Brandt wfo--0001246333 | 381 | <i>Weingartia steinbachii</i> var. <i>taratensis</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434625 | 323 |
| <i>Weingartia perplexiflora</i> F.H.Brandt wfo--0001262904 | 380 | <i>Weingartia steinbachii</i> var. <i>tintiniensis</i> (Gertel) Gertel & J.de Vries wfo--0001434626 | 384 |
| <i>Weingartia pilcomayensis</i> Cárdenas wfo--0001252404 | 385 | <i>Weingartia steinbachii</i> var. <i>tunariensis</i> (Cárdenas) Hentzschel & K.Augustin wfo--0001434627 | 324 |
| <i>Weingartia platygona</i> Cárdenas wfo--0001284434 | 385 | <i>Weingartia sucrensis</i> F.Ritter wfo--0001252410 | 385 |
| <i>Weingartia polymorpha</i> (Cárdenas) F.H.Brandt wfo-- 0000427557..... | 324 | <i>Weingartia tarabucina</i> F.H.Brandt wfo--0001262973 .. | 381 |
| <i>Weingartia pucarensis</i> Diers & Jucker wfo--0001042988 | 385 | <i>Weingartia tarabucoensis</i> (Rausch) F.H.Brandt wfo-- 0001284803..... | 380 |
| <i>Weingartia pulchra</i> (Cárdenas) F.H.Brandt wfo-- 0001284962..... | 323 | <i>Weingartia tarabucoensis</i> var. <i>aureiflora</i> (Rausch) Hentzschel & K.Augustin wfo--0001434628 | 380 |
| <i>Weingartia pulquinensis</i> Cárdenas wfo--0001245834 .. | 385 | <i>Weingartia tarabucoensis</i> var. <i>callecallsis</i> (F.H.Brandt) Hentzschel & K.Augustin wfo--0001434629 | 380 |
| <i>Weingartia pulquinensis</i> var. <i>corroana</i> Cárdenas wfo-- 0001434613..... | 384 | <i>Weingartia taratensis</i> (Cárdenas) F.H.Brandt wfo-- 0000427608..... | 323 |
| <i>Weingartia pulquinensis</i> var. <i>corroanus</i> Cárdenas wfo-- 0001245835..... | 384 | <i>Weingartia tarijensis</i> F.H.Brandt wfo--0001246344 | 386 |
| <i>Weingartia pulquinensis</i> var. <i>mairanensis</i> (Donald) Pilbeam wfo--0001277448..... | 385 | <i>Weingartia tarijensis</i> subsp. <i>carichimayensis</i> (K.Augustin) Hentzschel & K.Augustin wfo--0001434630 | 386 |
| <i>Weingartia purpurea</i> Donald & A.B.Lau wfo--0001246334 | 385 | <i>Weingartia tarijensis</i> subsp. <i>samaensis</i> (K.Augustin) Hentzschel & K.Augustin wfo--0001434631 | 386 |
| <i>Weingartia purpurea</i> subsp. <i>santiaginiensis</i> (Rausch) Gertel & J.de Vries wfo--0001434614 | 386 | <i>Weingartia tarvitaensis</i> (Gertel & P.Lechner) Hentzschel & K.Augustin wfo--0000510648 | 382 |
| <i>Weingartia purpurea</i> subsp. <i>santiaginiensis</i> (Rausch) Lodé wfo--0001434615..... | 386 | <i>Weingartia tiraquensis</i> (Cárdenas) F.H.Brandt wfo-- 0000427598..... | 386 |
| <i>Weingartia purpurea</i> var. <i>santiaginiensis</i> (Rausch) Hentzschel & K.Augustin wfo--0001434616..... | 386 | <i>Weingartia tiraquensis</i> subsp. <i>krahnii</i> (Rausch) Gertel & J.de Vries wfo--0001434632 | 324 |
| | | <i>Weingartia tiraquensis</i> subsp. <i>mariana</i> (Swoboda) Gertel & J.de Vries wfo--0001434633..... | 386 |

| | | | |
|--|-----|--|----------|
| <i>Weingartia tiraquensis</i> subsp. <i>totorensis</i> (Cárdenas) Gertel & J.de Vries wfo---0001434634 | 323 | <i>Weingartia zavaletae</i> (Cárdenas) F.H.Brandt wfo---0000427603 | 380 |
| <i>Weingartia tiraquensis</i> var. <i>aguilarii</i> (K.Augustin & Gertel) Hentzschel & K.Augustin wfo---0001434635 | 386 | <i>Werckleocereus</i> Britton & Rose wfo---4000040639 | 340 |
| <i>Weingartia tiraquensis</i> var. <i>augustini</i> (Hentzschel) Gertel & J.de Vries wfo---0001434636 | 384 | <i>Werckleocereus glaber</i> (Eichlam) Britton & Rose wfo---0000427621 | 341 |
| <i>Weingartia tiraquensis</i> var. <i>australis</i> (Rausch) Gertel & J.de Vries wfo---0001434637 | 324 | <i>Werckleocereus glaber</i> subsp. <i>mirandae</i> (Bravo) Doweld wfo---0001434654 | 341 |
| <i>Weingartia tiraquensis</i> var. <i>krahni</i> (Rausch) Hentzschel & K.Augustin wfo---0001434638 | 324 | <i>Werckleocereus glaber</i> var. <i>mirandae</i> (Bravo) Kimnach wfo---0001288302 | 341 |
| <i>Weingartia tiraquensis</i> var. <i>laui</i> (Brederoo & Donald) Gertel & J.de Vries wfo---0001434639 | 386 | <i>Werckleocereus imitans</i> Kimnach & Hutchison wfo---0000427619 | 378 |
| <i>Weingartia tiraquensis</i> var. <i>lepida</i> (F.Ritter) Hentzschel & K.Augustin wfo---0001434640 | 325 | <i>Werckleocereus tonduzii</i> (F.A.C.Weber) Britton & Rose wfo---0001287177 | 340, 344 |
| <i>Weingartia tiraquensis</i> var. <i>longiseta</i> (Cárdenas) Hentzschel & K.Augustin wfo---0001434641 | 386 | <i>Wigginsia acuata</i> (Link & Otto) F.Ritter wfo---0000427620 | 283 |
| <i>Weingartia tiraquensis</i> var. <i>oenantha</i> (Rausch) Gertel & J.de Vries wfo---0001434642 | 324 | <i>Wigginsia arechavaletae</i> (K.Schum. ex Speg.) D.M.Porter wfo---0001265909 | 289 |
| <i>Weingartia tiraquensis</i> var. <i>pampagrandsis</i> (Rausch) Hentzschel & K.Augustin wfo---0001434643 | 324 | <i>Wigginsia beltranii</i> Frič ex Z.Fleisch. & Schütz wfo---0000427625 | 284 |
| <i>Weingartia tiraquensis</i> var. <i>renatae</i> (Hentzschel & S.Beck) Hentzschel & K.Augustin wfo---0001434644 | 386 | <i>Wigginsia bezrucii</i> (Frič) Z.Fleisch. & Schütz wfo---0000427622 | 285 |
| <i>Weingartia tiraquensis</i> var. <i>totorensis</i> (Cárdenas) Hentzschel & K.Augustin wfo---0001434645 | 323 | <i>Wigginsia bezrucii</i> var. <i>centrispina</i> (Frič) Z.Fleisch. & Schütz wfo---0001434655 | 285 |
| <i>Weingartia torotorensis</i> Cárdenas wfo---0001246346 | 383 | <i>Wigginsia bezrucii</i> var. <i>corniger</i> (Frič) Z.Fleisch. & Schütz wfo---0001434656 | 285 |
| <i>Weingartia totalensis</i> F.H.Brandt wfo---0001246348 | 324 | <i>Wigginsia calvescens</i> (N.Gerloff & A.D.Nilson) Font wfo---0000510653 | 280 |
| <i>Weingartia totorensis</i> (Cárdenas) F.H.Brandt wfo---0000427599 | 323 | <i>Wigginsia corynodes</i> (Otto ex Pfeiff.) D.M.Porter wfo---0001265907 | 279, 283 |
| <i>Weingartia trollii</i> Oeser wfo---0001246350 | 385 | <i>Wigginsia courantii</i> (Lem.) F.Ritter wfo---0000427624 | 284 |
| <i>Weingartia tuberculatochrysantha</i> (Cárdenas) F.H.Brandt wfo---0000427601 | 324 | <i>Wigginsia</i> D.M.Porter wfo---4000040699 | 279 |
| <i>Weingartia tuberculato-chrysantha</i> (Cárdenas) F.H.Brandt wfo---0001434646 | 324 | <i>Wigginsia erinacea</i> (Haw.) D.M.Porter wfo---0001288781 | 283 |
| <i>Weingartia tunariensis</i> (Cárdenas) F.H.Brandt wfo---0000427605 | 324 | <i>Wigginsia fricii</i> (Arechav.) D.M.Porter wfo---0001265911 | 284 |
| <i>Weingartia vargasii</i> (Diers & Krahn) Hentzschel & K.Augustin wfo---0000510650 | 382 | <i>Wigginsia gladiata</i> V.Gapon & Ponomareva wfo---0001434657 | 407 |
| <i>Weingartia vargasii</i> var. <i>viridissima</i> (Diers & Krahn) Hentzschel & K.Augustin wfo---0001434647 | 382 | <i>Wigginsia horstii</i> F.Ritter wfo---0000427612 | 294 |
| <i>Weingartia vasqueziana</i> (Rausch) Hentzschel & K.Augustin wfo---0000510651 | 386 | <i>Wigginsia horstii</i> var. <i>juvenaliformis</i> F.Ritter wfo---0001262642 | 294 |
| <i>Weingartia vasqueziana</i> subsp. <i>losenickyana</i> (Rausch) Lodé wfo---0001434648 | 380 | <i>Wigginsia kovaricii</i> (Frič ex A.Berger) Backeb. wfo---0000430781 | 285 |
| <i>Weingartia vasqueziana</i> var. <i>losenickyana</i> (Rausch) Hentzschel & K.Augustin wfo---0001434649 | 380 | <i>Wigginsia langsdorfii</i> (Lehm.) D.M.Porter wfo---0001288838 | 287 |
| <i>Weingartia verticillacantha</i> (F.Ritter) F.H.Brandt wfo---0000427602 | 325 | <i>Wigginsia langsdorfii</i> subsp. <i>multiceps</i> (Hofacker & K.Herm) Doweld wfo---0001434658 | 288 |
| <i>Weingartia vilcayensis</i> Cárdenas wfo---0001284439 | 387 | <i>Wigginsia langsdorfii</i> subsp. <i>pulvinata</i> (Vliet) Doweld wfo---0001434659 | 285 |
| <i>Weingartia vizcarrae</i> (Cárdenas) F.H.Brandt wfo---0000430802 | 324 | <i>Wigginsia leprosororum</i> F.Ritter wfo---0001262625 | 287 |
| <i>Weingartia vorwerkii</i> (Frič) Backeb. wfo---0001284019 | 255 | <i>Wigginsia leucocarpa</i> (Arechav.) D.M.Porter wfo---0001265908 | 284 |
| <i>Weingartia vorwerkii</i> var. <i>erectispina</i> (Hoffm. & Backeb.) Backeb. wfo---0001434650 | 255 | <i>Wigginsia longispina</i> F.Ritter wfo---0001262627 | 287 |
| <i>Weingartia vorwerkii</i> var. <i>gielsdorfiana</i> Backeb. wfo---0001434651 | 255 | <i>Wigginsia longispina</i> var. <i>infernalis</i> N.Gerloff & S.H.Klein wfo---0001434660 | 288 |
| <i>Weingartia</i> Werderm. wfo---4000040588 | 378 | <i>Wigginsia macrocantha</i> (Arechav.) D.M.Porter wfo---0001265913 | 285 |
| <i>Weingartia westii</i> (Hutchison) Donald wfo---0001259404 | 387 | <i>Wigginsia macrogona</i> (Arechav.) D.M.Porter wfo---0001265916 | 284 |
| <i>Weingartia westii</i> var. <i>lecoriensis</i> (Cárdenas) Donald wfo---0001434652 | 383 | <i>Wigginsia nothohorstii</i> Doweld wfo---0000427611 | 287 |
| <i>Weingartia westii</i> var. <i>vilcayensis</i> (Cárdenas) Donald wfo---0001434653 | 387 | <i>Wigginsia orthacantha</i> (Herter) Backeb. wfo---0000427614 | 289 |

| | | | |
|---|--------|---|----------|
| <i>Wigginsia pauciareolata</i> (Arechav.) R.Kiesling wfo-- 0001039446..... | 284 | <i>Wilcoxia viperina</i> var. <i>tomentosa</i> (Bravo) Bravo wfo-- 0001289933..... | 303 |
| <i>Wigginsia polyacantha</i> (Link & Otto) F.Ritter wfo-- 0000427543..... | 287 | <i>Wilcoxia zopilotensis</i> J.Meyrán wfo--0001289929..... | 303 |
| <i>Wigginsia prolifera</i> F.Ritter wfo--0001262629..... | 288 | <i>Wilmattea Britton & Rose</i> wfo--4000040754..... | 340 |
| <i>Wigginsia rubricostata</i> Frič ex Z.Fleisch. & Schütz wfo-- 0001262671..... | 285 | <i>Wilmattea minutiflora</i> (Britton & Rose) Britton & Rose wfo--0000427731..... | 340, 342 |
| <i>Wigginsia schaeferiana</i> W.R.Abraham & J.Theun. wfo-- 0000427539..... | 285 | <i>Wilmattea venezuelensis</i> (Britton & Rose) Croizat wfo-- 0000427591..... | 342 |
| <i>Wigginsia sellowii</i> (Link & Otto) F.Ritter wfo--0000427540 | 283 | <i>Winteria aureispina</i> F.Ritter wfo--0001277370..... | 48 |
| <i>Wigginsia sellowii</i> var. <i>macracantha</i> (Arechav.) F.Ritter wfo--0001434661..... | 284 | <i>Winteria</i> F.Ritter wfo--4000040772..... | 44 |
| <i>Wigginsia sesseliflora</i> (Mackie ex Hook.) D.M.Porter wfo-- 0000427542..... | 283 | <i>Winterocereus aureispinus</i> (F.Ritter) Backeb. wfo-- 0001277371..... | 44, 48 |
| <i>Wigginsia sesseliflora</i> var. <i>martini</i> (Labour. ex Rümpler) D.M.Porter wfo--0001265918..... | 284 | <i>Winterocereus</i> Backeb. wfo--4000040775..... | 44 |
| <i>Wigginsia sesseliflora</i> var. <i>pauciareolata</i> (Arechav.) Y.Itô wfo--0001434662..... | 284 | <i>Winterocereus colademononis</i> (Diers & Krahn) Metzging & R.Kiesling wfo--0000508170..... | 48 |
| <i>Wigginsia sessiflora</i> (Mackie ex Hook.) D.M.Porter wfo-- 0001434663..... | 283 | <i>Wittia amazonica</i> K.Schum. wfo--0000427594..... | 316, 317 |
| <i>Wigginsia stegmannii</i> (Backeb.) D.M.Porter wfo-- 0001265906..... | 285 | <i>Wittia costaricensis</i> Britton & Rose wfo--0001287196..... | 317 |
| <i>Wigginsia tephraacantha</i> (Link & Otto) D.M.Porter wfo-- 0001265914..... | 283 | <i>Wittia himantoclada</i> (Rol.-Goss.) Woodson wfo-- 0001287197..... | 317 |
| <i>Wigginsia tephraacantha</i> var. <i>depressa</i> (Speg.) D.M.Porter wfo--0001265915..... | 283 | <i>Wittia</i> K.Schum. wfo--4000040788..... | 316 |
| <i>Wigginsia turbinata</i> (Arechav.) D.M.Porter wfo-- 0001265910..... | 284 | <i>Wittia panamensis</i> Britton & Rose wfo--0000427595.. | 317 |
| <i>Wigginsia turbinata</i> subsp. <i>calvescens</i> (N.Gerloff & A.D.Nilson) Guiggi wfo--0001434664..... | 280 | <i>Wittiocactus amazonicus</i> (K.Schum.) Rauschert wfo-- 0001289204..... | 316, 317 |
| <i>Wigginsia vorweckiana</i> (Werderm.) D.M.Porter wfo-- 0001265912..... | 285 | <i>Wittiocactus panamensis</i> (Britton & Rose) Rauschert wfo-- 0000427597..... | 317 |
| <i>Wigginsia werdermanniana</i> (Herter) Doweld wfo-- 0000427559..... | 300 | <i>Wittiocactus panamensis</i> subsp. <i>chocoensis</i> (Ralf Bauer) Guiggi wfo--0001434667..... | 317 |
| <i>Wilcoxia albiflora</i> Backeb. wfo--0001289937..... | 94 | <i>Wittiocactus</i> Rauschert wfo--4000040789..... | 316 |
| <i>Wilcoxia Britton & Rose</i> wfo--4000040711..... | 87 | <i>Xiquexique frewenii</i> (Zappi & N.P.Taylor) Lavor & Calvente wfo--0001434668..... | 387 |
| <i>Wilcoxia diguetii</i> (F.A.C.Weber) Diguët & Guillaumin wfo-- 0001289580..... | 303 | <i>Xiquexique frewenii</i> (Zappi & N.P.Taylor) Zappi & N.P.Taylor wfo--0001434669..... | 387 |
| <i>Wilcoxia kroenleinii</i> A.Cartier wfo--0001254463..... | 94 | <i>Xiquexique gounellei</i> (F.A.C.Weber) Lavor & Calvente wfo-- -0001434670..... | 387 |
| <i>Wilcoxia lazaro-cardenasii</i> (J.L.Contr., J.Jiménez Ram., Sánchez-Mej. & C.Toledo) A.Cartier wfo--0000427563 | 303 | <i>Xiquexique gounellei</i> subsp. <i>gounellei</i> wfo--0001434671 | 387 |
| <i>Wilcoxia mariana</i> Gentry wfo--0001288589..... | 303 | <i>Xiquexique gounellei</i> subsp. <i>zehntneri</i> (Britton & Rose) Lavor & Calvente wfo--0001434672..... | 387 |
| <i>Wilcoxia nerispina</i> A.Cartier wfo--0000427564..... | 100 | <i>Xiquexique</i> Lavor, Calvente & Versieux wfo--4000042688 | 387 |
| <i>Wilcoxia papillosa</i> Britton & Rose wfo--0001288039..... | 303 | <i>Xiquexique tuberculatus</i> (Werderm.) Lavor & Calvente wfo-- -0001434673..... | 387 |
| <i>Wilcoxia poselgeri</i> (Lem.) Britton & Rose wfo-- 0001288040..... | 87, 97 | <i>Yavia cryptocarpa</i> R.Kiesling & Piltz wfo--0001284283..... | 387 |
| <i>Wilcoxia roenleinii</i> A.Cartier wfo--0001254462..... | 94 | <i>Yavia</i> R.Kiesling & Piltz wfo--4000041080..... | 387 |
| <i>Wilcoxia schmollii</i> (Weing.) F.M.Knuth wfo--0001289936 | 100 | <i>Yungasocereus</i> F.Ritter wfo--4000041103..... | 387 |
| <i>Wilcoxia schmollii</i> var. <i>lanata</i> A.Cartier wfo--0001434665 | 100 | <i>Yungasocereus inquisivensis</i> (Cárdenas) F.Ritter ex Eggl wfo--0001434674..... | 387 |
| <i>Wilcoxia striata</i> (K.Brandege) Britton & Rose wfo-- 0001288041..... | 303 | <i>Yungasocereus inquisivensis</i> (Cárdenas) F.Ritter wfo-- 0000429156..... | 387 |
| <i>Wilcoxia tamaulipensis</i> var. <i>brevissima</i> A.Cartier wfo-- 0001434666..... | 97 | <i>Zehntnerella</i> Britton & Rose wfo--4000041172..... | 136 |
| <i>Wilcoxia tamaulipensis</i> Werderm. wfo--0001289934..... | 101 | <i>Zehntnerella chaetacantha</i> F.Ritter wfo--0000430158..... | 136 |
| <i>Wilcoxia tomentosa</i> Bravo wfo--0001289932..... | 303 | <i>Zehntnerella chaetacantha</i> var. <i>montealtoi</i> F.Ritter wfo-- 0000430156..... | 136 |
| <i>Wilcoxia tuberosa</i> (Poseleg.) A.Berger wfo--0001289935..... | 97 | <i>Zehntnerella polygona</i> F.Ritter wfo--0001257573..... | 136 |
| <i>Wilcoxia viperina</i> (F.A.C.Weber) Britton & Rose wfo-- 0001288042..... | 303 | <i>Zehntnerella squamulosa</i> (Gürke) Britton & Rose wfo-- 0000430144..... | 136 |
| | | <i>Zygocactus altensteinii</i> (Pfeiff.) K.Schum. wfo-- 0000430145..... | 335 |
| | | <i>Zygocactus bridgesii</i> (Lem.) Lindling. wfo--0000430146..... | 335 |
| | | <i>Zygocactus candidus</i> Loefgr. wfo--0001287964..... | 335 |
| | | <i>Zygocactus delicatus</i> (N.E.Br.) Britton & Rose wfo-- 0001287965..... | 335 |

| | |
|---|-----|
| <i>Zygocactus</i> K.Schum. wfo---4000041320 | 334 |
| <i>Zygocactus microsphaericus</i> (K.Schum.) Buxb. wfo-- 0000430148..... | 334 |
| <i>Zygocactus obtusangulus</i> (K.Schum.) Loefgr. wfo-- 0000430143..... | 335 |

| | |
|---|----------|
| <i>Zygocactus opuntioides</i> (Loefgr. & Dusén) Loefgr. wfo-- 0000430149 | 335 |
| <i>Zygocactus truncatus</i> (Haw.) K.Schum. wfo--0000430150 | 334, 335 |
| <i>Zygocactus truncatus</i> var. <i>delicatus</i> (N.E.Br.) Backeb. & F.M.Knuth wfo--0001252051..... | 335 |
| <i>Zygocereus</i> Frič & Kreuz. wfo---4000042586 | 334 |

References

- Albesiano S. 2012: A new taxonomic treatment of the genus *Trichocereus* (*Cactaceae*) in Chile. – *Haseltonia* **18**: 116–139.
- Alvarado-Sizzo H., Casas A., González-Rodríguez A., Arreola-Nava H. J. & Terrazas T. 2019: Clave dicotómica y distribución del complejo de especies de *Stenocereus griseus* (*Cactaceae*). – *Rev. Mex. Biodivers.* **90**: e902675.
- Alvarado-Sizzo H., Casas A., Parra F., Arreola-Nava H. J., Terrazas T. & Sánchez C. 2018: Species delimitation in the *Stenocereus griseus* (*Cactaceae*) species complex reveals a new species, *S. huastecorum*. – *PLoS ONE* **13**(1): e0190385.
- Anceschi G. & Magli A. 2018: A synopsis of the genus *Parodia* Spegazzini s.l. (*Cactaceae*). – *Bradleya* **36**: 70–161.
- Anderson E. F. 2001: The cactus family. – Portland: Timber Press.
- Anderson E. F. 2005: Das grosse Kakteen-Lexikon. – Stuttgart: Ulmer.
- Anderson E. F. & Walkington D. L. 1971: *Cactaceae*. – Pp. 533–546 in: Wiggins I. L. & Porter D. M. (ed.), *Flora of the Galápagos islands*. – Palo Alto: Stanford University Press.
- Aquino D. 2021: Revisions of *Epithelantha*, *Kadenicarpus*, *Rapicactus*, *Turbiniacarpus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Aquino D., Cervantes R. C., Gernandt D. S. & Arias S. 2019: Species delimitation and phylogeny of *Epithelantha* (*Cactaceae*). – *Syst. Bot.* **44**: 600–615.
- Arakaki M. 2003: Relaciones taxonómicas en el género *Weberbauerocereus* Backeberg. – *Quepo* **17**: 62–72.
- Areces-Mallea A. E. 2018: New taxa of *Leptocereus* (*Cactaceae: Cactoideae*) from western Cuba. – *Cact. Succ. J. (Los Angeles)* **90**: 258–266.
- Arias S. 2021: Revisions of *Acanthocereus*, *Aporocactus*, *Astrophytum*, *Bergerocactus*, *Cephalocereus*, *Disocactus*, *Marshalllocereus*, *Nyctocereus*, *Pachycereus*, *Peniocereus*, *Pereskioopsis*, *Selenicereus*, *Stenocereus*, *Strophocactus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Arias S. & Aquino D. 2019: Familia *Cactaceae* I. – Pp. 1–278 in: Rzedowski J. & Hernández-Ledesma P. (ed.), *Flora del Bajío y de regiones adyacentes*. Fascículo **209**. – Pátzcuaro: Instituto de Ecología A.C.
- Arias S., Gama-López S., Guzmán-Cruz L. U. & Vázquez-Benítez B. 2012: *Cactaceae*. – Pp. 1–235 in: Medina L. R. (ed.), *Flora del Valle de Tehuacán-Cuicatlán*. Fascículo **95**. – México D. F.: Instituto de Biología, Universidad Nacional Autónoma de México.
- Arias S., Tapia H. J. & Guzmán U. 2019: A new species of *Cephalocereus* (*Cactaceae*) from southern Mexico. – *Phytotaxa* **392**: 147–156.
- Arias S. & Terrazas T. 2006: Análisis cladístico del género *Pachycereus* (*Cactaceae*) con caracteres morfológicos. – *Brittonia* **58**: 197–216.
- Arias S. & Terrazas T. 2009: Taxonomic revision of *Pachycereus* (*Cactaceae*). – *Syst. Bot.* **34**: 68–83.
- Arias S., Terrazas T., Arreola-Nava H. J., Vázquez-Sánchez M. & Cameron K. M. 2005: Phylogenetic relationships in *Peniocereus* (*Cactaceae*) inferred from plastid DNA sequence data. – *J. Pl. Res.* **118**: 317–328.
- Arias S., Terrazas T. & Cameron K. 2003: Phylogenetic analysis of *Pachycereus* (*Cactaceae, Pachycereae*) based on chloroplast and nuclear DNA sequences. – *Syst. Bot.* **28**: 547–557.
- Arreola-Nava H. J., Cuevas-Guzmán R., Guzmán-Hernández L. & González-Durán A. 2017: *Opuntia setocarpa*, una especie nueva de nopal del occidente de México. – *Rev. Mex. Biodivers.* **88**: 792–797.
- Arreola-Nava H. J. & Terrazas T. 2003: Especies de *Stenocereus* con aréolas morenas: claves y descripciones. – *Acta Bot. Mex.* **64**: 1–18.
- Backeberg C. 1942: *Cactaceae* Lindley - Systematische Übersicht (Neubearbeitung). – *Cactaceae* (Berlin) **1941**(2): 10–80.
- Backeberg C. 1955: *Trichocereus validus* (Monv.) Backbg. n. comb. – *Cactus* (Paris) **46–47**: 265–267.
- Backeberg C. 1959: Die *Cactaceae*. Band **III**. *Cereoideae (Austrocactinae)*. – Jena: VEB Gustav Fischer Verlag.
- Backeberg C. 1966: Das Kakteenlexikon. – Jena: VEB Gustav Fischer Verlag.
- Baker M. A. 2006: Circumscription of *Echinocereus arizonicus* subsp. *arizonicus*: phenetic analysis of morphological characters in section *Triglochidiatus* (*Cactaceae*), part II. – *Madroño* **4**: 388–399.
- Baker M. A. 2016: Morphological and cytological analyses in *Cylindropuntia* (*Cactaceae*): the taxonomic circumscription of *C. echinocarpa*, *C. multigeniculata*, and *C. whipplei*. – *J. Bot. Res. Inst. Texas* **10**: 325–343.
- Baker M. A. & Cloud-Hughes M. A. 2014: *Cylindropuntia chuckwallensis* (*Cactaceae*), a new species from Riverside and Imperial counties, California. – *Madroño* **61**: 231–243.
- Baker M. A., Cloud-Hughes M. A. & Majure L. C. 2019a: Nomenclatural changes in *Cylindropuntia* (*Cactaceae*). – *Madroño* **66**: 92–96.
- Baker M. A., Majure L. C. & Parfitt B. D. 2019b: *Opuntia*, in Jepson Flora Project, Jepson eFlora, Revision 7. – Published at https://ucjeps.berkeley.edu/eflora/eflora_display.php?tid=10641 [accessed Jan 2021].
- Baker M. A. & Pinkava D. J. 2018: Chromosome numbers in some cacti of western North America—IX. – *Haseltonia* **25**: 5–29.
- Baker M. A., Rebman J. P., Parfitt B. D., Pinkava D. J. & Zimmerman A. D. 2009: Chromosome numbers in some cacti of western North America – VIII. – *Haseltonia* **15**: 117–134.
- Bárceñas R. T. 2016: A molecular phylogenetic approach to the systematics of *Cylindropuntiaeae* (*Opuntioideae, Cactaceae*). – *Cladistics* **32**: 351–359.
- Bárceñas R. T. & Hawkins J. A. 2017: Nomenclatural proliferation and the superabundance of homotypic synonyms in *Grusonia* (*Opuntioideae, Cactaceae*). – *Haseltonia* **23**: 27–34.
- Bárceñas R. T., Yesson C. & Hawkins J. A. 2011: Molecular systematics of the *Cactaceae*. – *Cladistics* **27**: 1–20.

- Barrios D., Díaz E. & Majure L. C. 2019: Exploraciones botánicas a poblaciones de *Consolea* (Cactaceae) en Cuba: estado de conservación y principales amenazas. – J. Bot. Res. Inst. Texas **13**: 217–228.
- Barrios D., González-Torres L. R., Arias S. & Majure L. C. 2020: Phylogeny and taxonomy of the Antillean endemic genus *Leptocereus* (Cactaceae) inferred from chloroplast markers and morphological evidence. – Pl. Syst. Evol. **306**: article 63.
- Barthlott W. 1987: New names in *Rhipsalidinae* (Cactaceae). – Bradleya **5**: 97–100.
- Barthlott W. 1991: *Disocactus*, *Lepismium* and *Pseudorhipsalis*. – In: Hunt D. & Taylor N. P. (ed.), Notes on miscellaneous genera of Cactaceae. – Bradleya **9**: 81–92.
- Barthlott W. & Hunt D. R. 1993: Cactaceae. – Pp. 161–197 in: Kubitzki K., Rohwer G. & Bittrich V. (ed.), The families and genera of vascular plants 2. Flowering Plants – Dicotyledons. Magnoliid, Hamamelid and Caryophyllid families. – Berlin & Heidelberg: Springer-Verlag.
- Barthlott W. & Taylor N. P. 1995: Notes towards a monograph of *Rhipsalideae* (Cactaceae). – Bradleya **13**: 43–79.
- Bauer R. 2003: A synopsis of the tribe *Hylocereeae* F.Buxb. – Cact. Syst. Init. **17**: 3–63.
- Bauer R. 2008: *Rhipsalis cuneata* Britton & Rose, eine variable Art mit flachen Trieben von den Ostabhängen der Anden Boliviens, Perus und Ecuadors – mit Beschreibung der neuen Unterart *R. cuneata* ssp. *australis* ssp. nov. – EPIG **62**: 5–28.
- Bauer R. & Korotkova N. 2016: Eine neue *Rhipsalis* aus Brasilien – *Rhipsalis barthlottii*. – Kakt. And. Sukk. **67**: 281–287.
- Bauer R. & Korotkova N. 2020: Neotypification of *Rhipsalis rhombea* (Rhipsalideae, Cactaceae) and its taxonomic history. – Haseltonia **27**: 95–101.
- Benson L. 1982: The cacti of the United States and Canada. – Stanford: Stanford University Press.
- Berendsohn W. G. 2021: Revisions. – In: Korotkova N. & al., Cactaceae at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – Willdenowia **51**: 251–270.
- Berger A. 1926: Die Entwicklungslinien der Kakteen. – Jena: Verlag Gustav Fischer.
- Blum W. & Breslin P. 2018: Addenda Sectio *Triglochidiati*: Series *Compacti* – Die *Echinocereus triglochidiatus*-Gruppe. Band 1. – Echinocereenfreund **31** (Sonderausgabe): 371–413.
- Blum W., Felix D. & Bauer H. 2012: *Echinocereus*. Die Sektion *Echinocereus*. – Echinocereenfreund **25** (Sonderausgabe): 1–336.
- Blum W., Lange M., Rischer M. & Rutow J. 1998: *Echinocereus*, Monographie. – Aachen: Selbstverlag.
- Blum W., Oldach T., Oldach J. & Baues W. 2015: Die *Echinocereus triglochidiatus*-Gruppe. – Echinocereenfreund **28** (Sonderausgabe): 1–264.
- Blum W., Oldach T., Oldach J., Baues W. & Goris R. 2018: Die *Echinocereus acifer*-Gruppe. – Echinocereenfreund **31** (Sonderausgabe): 1–369.
- Blum W., Oldach T., Oldach J., Baues W. & Ruinaard H. 2017: Die *Echinocereus coccineus*-Gruppe. – Echinocereenfreund **30** (Sonderausgabe): 1–560.
- Borsch T., Berendsohn W., Dalcin E., Delmas M., Demissew S., Elliott A., Fritsch P., Fuchs A., Geltman D., Güner A., Haevermans T., Hai-Ning Q., Knapp S., le Roux M. M., Loizeau P.-A., Miller C., Miller J., Miller J. T., Palese R., Paton A., Parnell J., Pendry C., Sosa V., Sosef M., Raab-Straube E. v., Ranwashe F., Raz L., Salimov R., Smets E., Thiers B., Thomas W., Tulig M., Ulate W., Ung V., Watson M., Jackson P. W. & Zamora N. 2020: World Flora Online: placing taxonomists at the heart of a definitive and comprehensive global resource on the world's plants. – Taxon **69**: 1311–1341.
- Brako L. & Zarucchi J. L. 1993: Catalogue of the flowering plants and gymnosperms of Peru. – Monogr. Syst. Bot. Missouri Bot. Gard. **45**. – St. Louis: Missouri Botanical Garden Press.
- Braun P. J., Esteves E. & Esteves R. 2020: *Pilosocereus jauruensis* subsp. *cinnopetalus* (Cactaceae), eine neue Sippe aus dem mittleren Westen Brasiliens. – Kakt. And. Sukk. **71**: 73–77.
- Bravo-Hollis H. 1978: Las Cactáceas de México. – México, D.F.: Universidad Nacional Autónoma de México.
- Bregman R. 1992: Seed studies in the subtribe *Borzicactinae* Buxbaum (Cactaceae); morphology, taxonomy, phylogeny and biogeography. – Bot. Jahrb. Syst. **114**: 201–250.
- Bregman R. 1996: The genus *Matucana*. Biology and systematics of fascinating Peruvian cacti. – Rotterdam & Brookfield: A. A. Balkema.
- Breslin P. B., Wojciechowski M. F. & Majure L. C. 2021: Molecular phylogeny of the Mammilloid clade (Cactaceae) resolves the monophyly of *Mammillaria*. – Taxon **70**: 308–323.
- Britton N. L. & Rose J. N. 1913: The genus *Epiphyllum* and its allies. – Contr. U.S. Natl. Herb. **16**: 255–262.
- Britton N. L. & Rose J. N. 1919: The Cactaceae. Descriptions and illustrations of plants of the cactus family 1. – Washington: The Carnegie Institution.
- Britton N. L. & Rose J. N. 1920: The Cactaceae. Descriptions and illustrations of plants of the cactus family 2. – Washington: The Carnegie Institution.
- Britton N. L. & Rose J. N. 1922: The Cactaceae. Descriptions and illustrations of plants of the cactus family 3. – Washington: The Carnegie Institution.
- Britton N. L. & Rose J. N. 1923: The Cactaceae. Descriptions and illustrations of plants of the cactus family 4. – Washington: The Carnegie Institution.
- Burman J. 1758: Plantarum americanarum fasciculus octavus. – Amstelædami: Lugd. Batav.: G. Potuliet & T. Haak.
- Butterworth C. A., Cota-Sanchez J. H. & Wallace R. S. 2002: Molecular systematics of tribe *Cacteeae* (Cactaceae: *Cactoideae*): a phylogeny based on *rpl16* intron sequence variation. – Syst. Bot. **27**: 257–270.
- Butterworth C. & Edwards E. J. 2008: Investigating *Pereskia* and the earliest divergences in Cactaceae. – Haseltonia **14**: 46–53.
- Butterworth C. A. & Wallace R. S. 2004: Phylogenetic studies of *Mammillaria* (Cactaceae) – insights from chloroplast sequence variation and hypothesis testing using the parametric bootstrap. – Amer. J. Bot. **91**: 1086–1098.
- Butterworth C. A. & Wallace R. S. 2005: Molecular phylogenetics of the leafy cactus genus *Pereskia* (Cactaceae). – Syst. Bot. **30**: 800–808.
- Buxbaum F. 1951: Where does the genus *Astrophytum* belong? – Natl. Cact. Succ. J. **6**: 4–5.

- Buxbaum F. 1961: Die Entwicklungslinien der Tribus *Pachycereae* F. Buxb. (*Cactaceae* - *Cereoideae*). – Bot. Stud. **12**: 1–107.
- Calderón N., Zappi D., Taylor N. P. & Ceroni A. 2007: Taxonomy and conservation of *Haageocereus* Backeb. (*Cactaceae*) in Peru. – *Bradleya* **25**: 45–124.
- Calvente A., Moraes E. M., Lavor P., Bonatelli I. A. S., Nacaguma P., Versieux L. M., Taylor N. P. & Zappi D. C. 2017: Phylogenetic analyses of *Pilosocereus* (*Cactaceae*) inferred from plastid and nuclear sequences. – Bot. J. Linn. Soc. **183**: 25–38.
- Calvente A., Zappi D. C., Forest F. & Lohmann L. G. 2011a: Molecular phylogeny of tribe *Rhipsalideae* (*Cactaceae*) and taxonomic implications for *Schlumbergera* and *Hattoria*. – Molec. Phylogen. Evol. **58**: 456–468.
- Calvente A., Zappi D. C., Forest F. & Lohmann L. G. 2011b: Molecular phylogeny, evolution, and biogeography of South American epiphytic cacti. – Int. J. Pl. Sci. **172**: 902–914.
- Candolle A. P. de 1828: Prodrômus systematis naturalis regni vegetabilis. **3**. – Paris: Treuttel et Würtz.
- Cerén G., Cruz M. Á., Menjívar J. & Arias S. 2018: A new species of *Deamia* (*Cactaceae*) from the Mesoamerican region. – Phytotaxa **369**: 251–259.
- Cerén G., Menjívar J. & Arias S. 2017: A new species of *Disocactus* (*Cactaceae*) from El Salvador. – Novon **25**: 139–144.
- Charles G. 2009: *Gymnocalycium* in habitat and culture. – Stamford: Published by the author.
- Coulter J. M. 1986: Preliminary revision of the north American species of *Echinocactus*, *Cereus*, and *Opuntia*. – Contr. U.S. Natl. Herb. **3**: 1–395.
- Crook R. & Mottram R. 1997: *Opuntia* index part 3: nomenclatural note and F. – *Bradleya* **15**: 98–112.
- Cruz M. Á., Arias S. & Terrazas T. 2016: Molecular phylogeny and taxonomy of the genus *Disocactus* (*Cactaceae*), based on the DNA sequences of six chloroplast markers. – Willdenowia **46**: 145–164.
- Davis T. J., Hernández H. M., Starr G. D. & Gómez-Hinostrosa C. 2018: A distinctive new species of *Thelocactus* (*Cactaceae*) from Oaxaca, Mexico. – Phytotaxa **361**: 115–122.
- de Fatima Freitas M., de Moraes Calvente A. & Braga J. M. A. 2009: A new species of *Rhipsalis* (*Cactaceae*) from Brazil. – Syst. Bot. **34**: 505–509.
- De la Rosa-Tilapa A., Vázquez-Sánchez M. & Terrazas T. 2019: Stem anatomy of *Turbincarpus* s.l. (*Cactaceae*, *Cactaceae*) and its contribution to systematics. – Pl. Biosyst. **153**: 600–609.
- Demaio P. H., Barfuss M. H. J., Kiesling R., Till W. & Chiappella J. O. 2011: Molecular phylogeny of *Gymnocalycium* (*Cactaceae*): assessment of alternative infrageneric systems, a new subgenus, and trends in the evolution of the genus. – Amer. J. Bot. **98**: 1841–1854.
- Donati D. 2011: Nuovo studio sul gruppo clavata del genere *Corynopuntia* Knuth: riscoperta di *C. agglomerata* e descrizione di *C. bulbispina* subsp. *basileocephala* D. Donati subsp. nov. – Piante Grasse **31**: 2–18.
- Donati D. & Zanovello C. 2004: Conoscere, capire, coltivare i *Turbincarpus* – *Rapicactus*. – Trento: Cactus Trentino Südtirol.
- Donati D. & Zanovello C. 2011: *Epithelantha*. – Villazano: Associazione Cactus Trentino Südtirol.
- Doweld A. B. 2002: On the genus *Airampona* Frič (*Opuntioideae* – *Cactaceae*). – Turczaninowia **5**: 226–231.
- Dugand A. 1966: Notas sobre la flora de Colombia y países vecinos. – Phytologia **13**: 379–400.
- Edwards E. J., Nyffeler R. & Donoghue M. J. 2005: Basal cactus phylogeny: implications of *Pereskia* (*Cactaceae*) paraphyly for the transition to the cactus life form. – Amer. J. Bot. **92**: 1177–1188.
- Eggli U. 2021: Revisions of *Aylostera*, *Blossfeldia*, *Rebutia*, *Weingartia*, unresolved names. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – Willdenowia **51**: 251–270.
- Eggli U. & Hofacker A. 2010: Validation of the name *Parodia lenninghausii* (*Cactaceae*), with a note on the lectotypification and orthography of the name. – Novon **20**: 30–32.
- Farr E. R. & Zijlstra G. 1996+: Index Nominum Genericorum (Plantarum). – Published at <https://naturalhistory2.si.edu/botany/ing/>
- Felger R. S. 1999: The flora of Canon de Nacapule: a desert-bounded tropical canyon. – Proc. San Diego Soc. Nat. Hist. **35**: 1–42.
- Felger R. S., Hawkins J. A., Verrier J. & Carnahan S. D. 2017: New combinations for Sonoran desert plants. – Phytoneuron **2017-48**: 1–6.
- Felger R. S., Rutman S., Malusa J. & Baker M. A. 2014: Ajo Peak to Tinajas Altas: a flora in southwestern Arizona. Part 7. Eudicots: *Cactaceae* – cactus family – Phytoneuron **2014-69**: 1–95.
- Felix D. & Bauer H. 2018: *Echinocereus*. Die *cinerascens*-Gruppe. – Echinocereus Online-J. **6**: 63–204.
- Font F. 2014: A revision of *Opuntia* series *Armatae* K. Schum. (*Opuntia* ser. *Elatae* Britton & Rose (*Cactaceae* – *Opuntioideae*)). – Succ. Pl. Res. **8**: 51–94.
- Förster C. F. 1846: Handbuch der Cacteenkunde in ihrem ganzen Umfange. – Leipzig: Wöller.
- Franck A. R. 2012: Synopsis of *Harrisia* including a newly described species, several typifications, new synonyms, and a key to species. – Haseltonia **18**: 95–104.
- Franck A. R. 2016: Monograph of *Harrisia* (*Cactaceae*). – Phytoneuron **2016-85**: 1–159.
- Franck A. R. 2021: Revisions of *Cereus*, *Estevesia*, *Harrisia*, *Pilosocereus*, *Stenocereus*, *Xiquexique*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – Willdenowia **51**: 251–270.
- Franck A. R., Barrios D., Campbell K. C. S. E., Lange J., Peguero B., Santiago-Valentín E., Rigerszki Z., Haakonsson J., Gann G. D., Cinea W., Howe N. M. M., St. John J., Moreno J. S. & Clark C. A. 2019: Revision of *Pilosocereus* (*Cactaceae*) in the Caribbean and northern Andean region. – Phytotaxa **411**: 129–182.
- Franck A. R., Cochrane B. J. & Garey J. R. 2013a: Phylogeny, biogeography, and infrageneric classification of *Harrisia* (*Cactaceae*). – Syst. Bot. **38**: 210–223.
- Franck A. R., Cochrane B. J. & Garey J. R. 2013b: Relationships and dispersal of the Caribbean species of *Harrisia* (sect. *Harrisia*; *Cactaceae*) using AFLPs and seven DNA regions. – Taxon **62**: 486–497.

- Franco F. F., Silva G. A. R., Moraes E. M., Taylor N., Zappi D. C., Jojima C. L. & Machado M. C. 2017: Plio-Pleistocene diversification of *Cereus* (*Cactaceae*, *Cereeae*) and closely allied genera. – *Bot. J. Linn. Soc.* **183**: 199–210.
- Frič A. V. 1929: Neue Kakteen aus südamerikanischen Hochgebirgen. Samenernte der botanischen Expedition 1928/1929. – Praha: Published by the author.
- Frič A. V. 1933: Akklimatisations- und Versuchs-Garten A. V. Frič 1932–1933. – Praha: Published by the author.
- Gallegos C. & Scheinvar L. 2014: *Opuntia tezontepecana*, una nueva especie de *Cactaceae* del Estado de Hidalgo, México. – *Novon* **23**: 157–161.
- Gapon V., Ponomareva N., Shelkunova N., Protopopov B., Chikin S. & Zaitseva L. 2020: Gymnocalyciums from Sierra de Aceguá. – *Kaktus-Klub*, n.s., **2-2020**: 20–31.
- García-Morales L. J., Ramírez-Chaparro R., Sigala-Chávez A. & Iamónico D. 2020: *Mammillaria brevipilumosa* (*Cactaceae*, *Cacteae*), a new species from Mexico. – *Phytotaxa* **452**: 231–235.
- Gibson A. C. 1988: The systematics and evolution of subtribe *Stenocereinae*. 2. *Polaskia*. – *Cact. Succ. J. (Los Angeles)* **60**: 55–62.
- Gibson A. C. & Horak K. E. 1978: Systematic anatomy and phylogeny of Mexican columnar cacti. – *Ann. Missouri Bot. Gard.* **65**: 999–1057.
- Gilmer K. & Thomas H.-P. 1998: Die Gattung *Tephrocactus* Lemaire s.str. – *Taxonomie, Ökologie und Kultur*. – *Schumannia* **2**: 85–141.
- González-Zamora P., Carrillo-Reyes P. & Sánchez D. 2020: *Acanthocereus paradoxus* (*Cactaceae*), a new endemic species from Jalisco, Mexico. – *Phytotaxa* **470**: 145–154.
- Griffith M. P. & Porter J. M. 2009: Phylogeny of *Opuntioideae* (*Cactaceae*). – *Int. J. Pl. Sci.* **170**: 107–116.
- Guerrero P. C. 2021: Revisions of *Copiapoa*, *Eriosyce*, *Eulychnia*, *Rimacactus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Guerrero P. C. & Walter H. E. 2019a: Nomenclatural novelties and a new species in Chilean *Cactaceae*. – *Phytotaxa* **392**: 89–92.
- Guerrero P. C., Walter H. E., Arroyo Mary T. K., Peña Carol M., Tamburrino I., De Benedictis M. & Larridon I. 2019b: Molecular phylogeny of the large South American genus *Eriosyce* (*Notocacteae*, *Cactaceae*): Generic delimitation and proposed changes in infrageneric and species ranks. – *Taxon* **68**: 557–573.
- Guiggi A. 2007: *Airampoa picardoii*, the correct name for *Opuntia picardoii*. – *Haseltonia* **13**: 89–90.
- Guiggi A. 2011: Genera nova et combinationes novae in Cactaceis Austroamericanis ad subfamiliam *Opuntioideae* K.Schumann spectantibus. – *Cactology* **2(Suppl. 1)**: 1–4.
- Guiggi A. 2020: Revalidation of *Cleistocactus ritteri* Backeberg. – *Cactology* **5**: 1.
- Gürke M. 1910: *Pilocereus Houlettii* Lem. – T. 79 in: Schumann K. M. & Gürke M. (ed.), *Blühende Kakteen (Iconographia Cactacearum)* **2(30)**. – Neudamm: J. Neumann.
- Guzmán U., Arias S. & Dávila P. 2003: Catálogo de cactáceas Mexicanas. – México, D.F.: Universidad Nacional Autónoma de México & CONABIO.
- Halda J. J., Horáček L., Chvástek J., Kupčák P. & Panarotto P. 2000: Miscellaneous. New descriptions. – *Acta Mus. Richnov., Sect. Nat.* **7(1)**: 33–40.
- Halda J. J. & Malina M. 2005: Nové třídění skupiny *Astrophytum* – *Frailea*. – *Acta Mus. Richnov., Sect. Nat.* **12(1)**: 11–15.
- Hartmann S., Nason J. D. & Bhattacharya D. 2001: Extensive ribosomal DNA genic variation in the columnar cactus *Lophocereus*. – *J. Molec. Evol.* **53**: 124–134.
- Hartmann S., Nason J. D. & Bhattacharya D. 2002: Phylogenetic origins of *Lophocereus* (*Cactaceae*) and the senita cactus-senita moth pollination mutualism. – *Amer. J. Bot.* **89**: 1085–1092.
- Heath P. V. 1999: Three new generic names in the *Cactaceae*. – *Calyx* **6(2)**: 41–42.
- Heil K. D., Armstrong B. & Schleser D. 1981: A review of the genus *Pediocactus*. – *Cact. Succ. J. (Los Angeles)* **53**: 17–39.
- Hentzschel G. & Augustin K. 2008: Verzeichnis der Arten und Umkombinationen. – *Gymnocalycium* **21**: 777–782.
- Hernández H. M. & Gómez-Hinostrosa C. 2011: Mapping the cacti of Mexico. – *Succ. Pl. Res.* **7**: 1–128.
- Hernández H. M. & Gómez-Hinostrosa C. 2015: Mapping the cacti of Mexico. Part II. *Mammillaria*. – *Succ. Pl. Res.* **9**: 1–189.
- Hernández H. M. & Gómez-Hinostrosa C. 2021: Revisions of *Acanthocereus*, *Acharagma*, *Ariocarpus*, *Astrophytum*, *Aztekium*, *Bergerocactus*, *Cumarinia*, *Cylindropuntia*, *Echinocactus*, *Escontria*, *Grusonia*, *Lophophora*, *Mammillaria* p.p., *Melocactus* p.p., *Myrtillocactus*, *Neolloydia*, *Opuntia* p.p., *Peniocereus* p.p., *Sclerocactus*, *Thelocactus*, *Turbiniacarpus* p.p. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Hernández H. M., Gómez-Hinostrosa C. & Bárcenas R. T. 2001: Studies on Mexican *Cactaceae*. II. *Opuntia megarrhiza*, a poorly known endemic from San Luis Potosí. – *Brittonia* **53**: 528–533.
- Hernández H. M., Gómez-Hinostrosa C., Bárcenas R. T., Puente R. & Reyes-Agüero J. A. 2014: A checklist of the subfamily *Opuntioideae* (*Cactaceae*) from North and Central America. – *Succ. Pl. Res.* **8**: 185–200.
- Hernández-Hernández T., Hernández H. M., De-Nova J. A., Puente R., Eguiarte L. E. & Magallón S. 2011: Phylogenetic relationships and evolution of growth form in *Cactaceae* (*Caryophyllales*, *Eudicotyledoneae*). – *Amer. J. Bot.* **98**: 44–61.
- Hernández-Ledesma P., Berendsohn W. G., Borsch T., von Mering S., Akhiani H., Arias S., Castañeda-Noa I., Eggl U., Eriksson R., Flores-Olvera H., Fuentes-Bazán S., Kadereit G., Klak C., Korotkova N., Nyffeler R., Ocampo G., Ochoterena H., Oxelman B., Rabeler R. K., Sanchez A., Schlumberger B. O. & Uotila P. 2015: A taxonomic backbone for the global synthesis of species diversity in the angiosperm order *Caryophyllales*. – *Willdenowia* **45**: 281–383.
- Hochstätter F. 2007: The genera *Pediocactus*, *Navajoa*, *Toumeyia*; family *Cactaceae*, subfamily *Cactoideae*, tribe *Cacteae*. – Mannheim: Published by the author.
- Hoffmann A. & Walter H. 2005: Cactáceas en la flora silvestre de Chile **2**. – Santiago de Chile: Ediciones Fundación Claudio Gay.

- Hoxey P. 2020a: The cacti of Franz Meyen from his around the world voyage 1830–1832. – *Bradleya* **38**: 104–119.
- Hoxey P. 2020b: A new species of *Lymanbensonia* (*Cactaceae*) from Peru. – *Cact. Succ. J. (Los Angeles)* **92**: 231–235.
- Hunt D. R. 1969: Contributions to the Flora of Tropical America: LXXVII: a synopsis of *Schlumbergera* Lem. (*Cactaceae*). – *Kew Bull.* **23**: 255–263.
- Hunt D. R. 1987: A new review of *Mammillaria* names. – Oxford: British Cactus & Succulent Society.
- Hunt D. R. 1989: Notes on *Selenicereus* (A. Berger) Britton & Rose and *Aporocactus* Lemaire (*Cactaceae* – *Hylocereinae*). – *Bradleya* **7**: 89–96.
- Hunt D. R. 1999: CITES *Cactaceae* checklist, ed. 2. – London: Kew Publishing.
- Hunt D. R. 2003: Notulae systematicae lexico Cactacearum spectantes III. – *Cact. Syst. Init.* **15**: 5–6.
- Hunt D. R. (ed.) 2006: The new cactus lexicon. – Milborne Port: dh books.
- Hunt D. R. 2011a: NCL updates etc. – *Cact. Syst. Init.* **25**: 7–28.
- Hunt D. R. 2011b: *Punotia* gen. nov. – *Cact. Syst. Init.* **25**: 26.
- Hunt D. R. 2013: *Pereskia*. – *Cact. Syst. Init.* **31**: 16–17.
- Hunt D. R. 2016a: CITES *Cactaceae* checklist, ed. 3. – Published by the author.
- Hunt D. R. 2016b: NCL updates. – *Cact. Syst. Init.* **34**: 9–28.
- Hunt D. R. & Iliff J. 2000: *Tunilla*: a new generic name for the "Airampo group". – *Cact. Syst. Init.* **9**: 8–12.
- Hunt D. R. & Ritz C. M. 2011: *Tephrocactus*. – *Cact. Syst. Init.* **25**: 26.
- Hunt D. R. & Taylor N. P. 1986: The genera of the *Cactaceae*: towards a new consensus. – *Bradleya* **4**: 65–78.
- Ibisch P. L., Kessler M., Nowicki S. & Barthlott W. 2000: Ecology, biogeography and diversity of the Bolivian epiphytic cacti – with the description of two new taxa. – *Bradleya* **18**: 2–30.
- Iliff J. 2002: The Andean opuntias: an annotated checklist of the indigenous non-platyopuntoid opuntias (*Cactaceae* – *Opuntioideae*) of South America. – *Succ. Pl. Res.* **6**: 133–244.
- IPNI 2020: International Plant Names Index. The Royal Botanic Gardens, Kew, Harvard University Herbaria & Libraries and Australian National Botanic Gardens. – Published at <https://www.ipni.org/>
- Jørgensen P. M., Nee M. H. & Beck S. G. 2014: Catálogo de las plantas vasculares de Bolivia. – St. Louis: Missouri Botanical Garden Press.
- Jucker H. 2020: *Parodia diersiana*, eine neue Art aus den Departamentos Potosí und Chuquisaca, Bolivien. – *Kakt. And. Sukk.* **71**: 259–268.
- Kattermann F. 1994: *Eriosyce* (*Cactaceae*). The genus revised and amplified. – Milborne Port: David Hunt.
- Khan G., Godoy M. O., Franco F. F., Perez M. F., Taylor N. P., Zappi D. C., Machado M. C. & Moraes E. M. 2018: Extreme population subdivision or cryptic speciation in the cactus *Pilosocereus jauruensis*? A taxonomic challenge posed by a naturally fragmented system. – *Syst. Biodivers.* **16**: 188–199.
- Kiesling R. 1982: The genus *Pterocactus*. – *Cact. Succ. J. Gr. Brit.* **44**: 51–56.
- Kiesling R. 1984: Estudios en *Cactaceae* de Argentina: *Maihueniopsis*, *Tephrocactus* y géneros afines (*Opuntioideae*). – *Darwiniana* **24**: 171–215.
- Kiesling R. 1998: Nota sobre *Opuntia anacantha* Speg. (*Cactaceae*) para la flora de Paraguay y Argentina. – *Candollea* **53**: 471–476.
- Kiesling R., Oakley L., Metzger D., Muruaga N., Albesiano A. S., Korotkova N., Huaylla Limachi L. & Quispe N. 2014: *Cactaceae*. – Pp. 443–471 in: Jørgensen P. M., Nee M. H. & Beck S. G. (ed.), Catálogo de las plantas vasculares de Bolivia. – St. Louis: Missouri Botanical Garden Press.
- Kimnach M. 1983: A revision of *Acanthorhopsalis*. – *Cact. Succ. J. (Los Angeles)* **55**: 177–182.
- Kimnach M. 1984: *Lymanbensonia* (*Cactaceae*), a new genus for *Acanthorhopsalis micrantha*. – *Cact. Succ. J. (Los Angeles)* **56**: 100–101.
- Kimnach M. 1993: The genus *Disocactus*. – *Haseltonia* **1**: 95–139.
- Köhler M. 2021: Revisions of *Airampo*, *Brasiliopuntia*, *Opuntia* p.p., *Salmonopuntia*, *Tacinga*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Köhler M. & Majure L. C. 2020: Reassessment and typification of *Opuntia canterae* (*Opuntioideae*, *Cactaceae*), an endemic prickly pear cactus of Uruguay. – *Pl. Ecol. Evol.* **153**: 325–333.
- Köhler M., Reginato M., Souza-Chies T. T. & Majure L. C. 2020: Insights into chloroplast genome evolution across *Opuntioideae* (*Cactaceae*) reveals robust yet sometimes conflicting phylogenetic topologies. – *Frontiers Pl. Sci.* **11**: article 729.
- Korotkova N. 2021: Revisions of *Deamia*, *Disocactus*, *Epiphyllum*, *Hatiora*, *Kimnachia*, *Lepismium*, *Leuenbergeria*, *Lymanbensonia*, *Pereskia*, *Pfeiffera*, *Pseudorhopsalis*, *Rhopsalidopsis*, *Rhopsalis*, *Schlumbergera*, *Selenicereus*, *Strophocactus*, *Weberocereus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Korotkova N., Borsch T. & Arias S. 2017: A phylogenetic framework for the *Hylocereae* (*Cactaceae*) and implications for the circumscription of the genera. – *Phytotaxa* **327**: 1–46.
- Korotkova N., Borsch T., Quandt D., Taylor N. P., Müller K. & Barthlott W. 2011: What does it take to resolve relationships and to identify species with molecular markers? An example from the epiphytic *Rhopsalideae* (*Cactaceae*). – *Amer. J. Bot.* **98**: 1549–1572.
- Korotkova N., Zabel L., Quandt D. & Barthlott W. 2010: A phylogenetic analysis of *Pfeiffera* and the reinstatement of *Lymanbensonia* as an independently evolved lineage of epiphytic *Cactaceae* within a new tribe *Lymanbensoniaceae*. – *Willdenowia* **40**: 151–172.
- Kramm E. 2015: Eine neue Unterart von *Strophocactus wittii* aus Peru. – *Kakt. And. Sukk.* **5**: 113–121.
- Larridon I., Veltjen E., Semmouri I., Asselman P., Guerrero P. C., Duarte M., Walter H. E., Cisternas M. A. & Samain M.-S. 2018a: Investigating taxon boundaries and extinction risk in endemic Chilean cacti (*Copiapoa* subsection *Cinerei*, *Cactaceae*) using chloroplast DNA sequences, microsatellite data and 3D mapping. – *Kew Bull.* **73**: article 55.
- Larridon I., Walter H. E., Guerrero P. C., Duarte M., Cisternas M. A., Hernández C. P., Bauters K.,


- Asselman P., Goetghebeur P. & Samain M.-S. 2015: An integrative approach to understanding the evolution and diversity of *Copiapoa* (*Cactaceae*), a threatened endemic Chilean genus from the Atacama Desert. – *Amer. J. Bot.* **102**: 1506–1520.
- Larridon I., Walter H. E., Rosas M., Vandomme V. & Guerrero P. C. 2018b: Evolutionary trends in the columnar cactus genus *Eulychnia* (*Cactaceae*) based on molecular phylogenetics, morphology, distribution, and habitat. – *Syst. Biodivers.* **16**: 1–15.
- Las Peñas M. L., Kiesling R. & Bernardello G. 2019: Phylogenetic reconstruction of the genus *Tephrocactus* (*Cactaceae*) based on molecular, morphological, and cytogenetical data. – *Taxon* **68**: 714–730.
- Lavor P., Versieux L. M. & Calvente A. 2020: Phylogenetic relationships of *Pilosocereus* (*Cactaceae*) and taxonomic implications. – *PlantNow* **1(2)**: 52–70.
- Leuenberger B. E. 1986: *Pereskia* (*Cactaceae*). – *Mem. New York Bot. Gard.* **41**: 1–141.
- Leuenberger B. E. 1991: Interpretation and typification of *Cactus ficus-indica* L. and *Opuntia ficus-indica* (L.) Miller (*Cactaceae*). – *Taxon* **40**: 621–627.
- Leuenberger B. E. 1993: Interpretation and typification of *Cactus opuntia* L., *Opuntia vulgaris* Mill., and *O. humifusa* (Rafin.) Rafin. (*Cactaceae*). – *Taxon* **42**: 419–429.
- Leuenberger B. E. 1997: *Maihuenia* – monograph of a Patagonian genus of *Cactaceae*. – *Bot. Jahrb. Syst.* **119**: 1–92.
- Leuenberger B. E. 2002: The misunderstood *Cleistocactus serpens*, and *C. longiserpens*, a new name for a species of *Cactaceae* from Peru. – *Bot. Jahrb. Syst.* **124**: 13–30.
- Leuenberger B. E. 2004: The *Cactaceae* of the Willdenow herbarium, and of Willdenow (1813). – *Willdenowia* **34**: 309–322.
- Lindsay G. 1963: The genus *Lophocereus*. – *Cact. Succ. J. (Los Angeles)* **35**: 176–192.
- Linnaeus C. 1753: *Species plantarum* [...], 2 vols. – *Holmiae: Laurentii Salvii*.
- Lodé J. 2013: *Leuenbergeria*, a new genus in *Cactaceae*. – *Cact. Advent. Int.* **97**: 25–27.
- Lodé J. 2013: New combinations. – *Cact. Advent. Int., Suppl.* **98**: 2–3.
- Lowry M. & Winberg M. 2017: *Cremnocereus albipilosus*: an incredible new columnar cactus from Bolivia. – *Bradleya* **35**: 252–256.
- Lüthy J. M. 2002: Further comments on *Turbincarpus* and a key to species. – *Cact. Syst. Init.* **14**: 21–25.
- Lüthy J. M. & Moser U. 2002: The cacti of CITES Appendix I. – Bern: Bundesamt für Veterinärwesen.
- Majure L. C. 2017: *Cactaceae*. – In: Naczi R. C. F. (ed.), *New manual of the vascular plants of northeastern United States and adjacent Canada*. – New York: NYBG Press.
- Majure L. C. 2021: Revisions of *Cochemiea*, *Consolea*, *Coryphantha*, *Cumarinia*, *Cylindropuntia*, *Grusonia*, *Kroenleinia*, *Leptocereus*, *Melocactus*, *Micropuntia*, *Opuntia*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Majure L. C., Baker M. A., Cloud-Hughes M., Salywon A. & Neubig K. M. 2019: Phylogenomics in *Cactaceae*: a case study using the chollas sensu lato (*Cylindropuntieae*, *Opuntioideae*) reveals a common pattern out of the Chihuahuan and Sonoran deserts. – *Amer. J. Bot.* **106**: 1327–1345.
- Majure L. C., Barrios D., Díaz E., Zumwalde B. A., Testo W. & Negrón-Ortiz V. 2021a: Pleistocene aridification underlies the evolutionary history of the Caribbean endemic, insular, giant *Consolea* (*Opuntioideae*). – *Amer. J. Bot.* **108**: 200–215.
- Majure L. C. & Clase T. 2018: Uso del nombre *Consolea microcarpa* versus *Consolea picardae*, una especie endémica de La Española. – *J. Bot. Res. Inst. Texas* **12**: 75–80.
- Majure L. C., Clase T., Testo W., Cinea W. & Peguero B. 2020: Nuevos reportes para la flora de La Española. – *Moscocosa* **20**: 151–161.
- Majure L. C., Encarnación Y., Clase T., Peguero B., Ho K. & Barrios D. 2021b: Phylogenetics of *Leptocereus* (*Cactaceae*) on Hispaniola: clarifying species limits in the *L. weingartianus* complex and a new species from the Sierra de Bahoruco. – *PhytoKeys* **172**: 17–37.
- Majure L. C., Judd W. S., Soltis P. S. & Soltis D. E. 2017: Taxonomic revision of the *Opuntia humifusa* complex (*Opuntieae: Cactaceae*) of the eastern United States. – *Phytotaxa* **290**: 1–65.
- Majure L. C. & Puente R. 2014: Phylogenetic relationships and morphological evolution in *Opuntia* s. str. and closely related members of tribe *Opuntieae*. – *Succ. Pl. Res.* **8**: 9–30.
- Majure L. C., Puente R., Griffith M. P., Judd W. S., Soltis P. S. & Soltis D. E. 2012: Phylogeny of *Opuntia* s.s. (*Cactaceae*): clade delineation, geographic origins, and reticulate evolution. – *Amer. J. Bot.* **99**: 847–864.
- Majure L. C., Puente R., Griffith M. P., Soltis D. E. & Judd W. S. 2013: *Opuntia lilae*, another *Tacinga* hidden in *Opuntia* s.l. (*Cactaceae*). – *Syst. Bot.* **38**: 444–450.
- Majure L. C., Soltis D. E., Soltis P. S. & Judd W. S. 2014: A case of mistaken identity, *Opuntia abjecta*, long-lost in synonymy under the Caribbean species, *O. triacantha*, and a reassessment of the enigmatic *O. cubensis*. – *Brittonia* **66**: 118–130.
- Martínez-González C. R., Luna-Vega I., Gallegos-Vázquez C. & García-Sandoval R. 2015: *Opuntia delafuentiana* (*Cactaceae: Opuntioideae*), a new xocostle from central Mexico. – *Phytotaxa* **231**: 15.
- Menezes M. O. T., Taylor N. P., Machado M. C., Coelho P. J. A. & Correia D. 2011: Diversity and distribution of *Cactaceae* in Ceará state, northeastern Brazil. – *Bradleya* **29**: 13–42.
- Meregalli M., Ercole E. & Rodda M. 2010: Molecular phylogeny vs. morphology: shedding light on the infrageneric classification of *Gymnocalycium* (*Cactaceae*). – *Schumannia* **6**: 257–264.
- Metzing D. 2021: Revisions of *Frailea*, *Gymnocalycium*, various other genera. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Metzing D., Meragalli M. & Kiesling R. 1995: An annotated checklist of the genus *Gymnocalycium* Pfeiffer ex Mittler (*Cactaceae*). – *Allionia* **33**: 181–228.
- Molinari-Novoa E. A. 2015: Une liste à jour des cactées des bassins de Lima au Pérou. – *Succulentopi@* **13**: 18–21.
- Moroni P., Salomón L. & O’Leary N. 2018: A framework for untangling Linnaean names based on Plumier’s

- Nova plantarum americanarum genera: revised typification of *Duranta erecta*. – *Taxon* **67**: 1202–1208.
- Mosco A. 2009: Micro-morphology and anatomy of *Turbincarpus* (*Cactaceae*) spines. – *Rev. Mex. Biodivers.* **80**: 119–128.
- Mosti S., Lewke Bandara N. & Papini A. 2011: Further insights and new combinations in *Aylostera* (*Cactaceae*) based on molecular and morphological data. – *Pakistan J. Bot.* **43**: 2769–2785.
- Mottram R. 2013: Linnaean cactus legacy. – *The Cactician* **3**: 1–83.
- Mottram R. 2014a: The generitaxa of the *Cactaceae*: an annotated index. – *The Cactician* **4**: 1–357.
- Mottram R. 2014b: Reinstatement of *Cactus kagenekii* C.C.Gmel. – *The Cactician* **7**: 2–19.
- Mottram R. & Hoxey P. 2020: An evaluation of the cacti of Charles Plumier (1646–1704). – *The Cactician* **13**: 1–99.
- Nyffeler R. 1998: The genus *Uebelmannia* (*Cactaceae*). – *Bot. Jahrb. Syst.* **120**: 145–163.
- Nyffeler R. 2002: Phylogenetic relationships in the cactus family (*Cactaceae*) based on evidence from *trnK/matK* and *trnL-trnF* sequences. – *Amer. J. Bot.* **89**: 312–326.
- Nyffeler R. 2021: Revisions of *Parodia*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Nyffeler R. & Eggli U. 1997: Comparative stem anatomy and systematics of *Eriosyce* sensu lato (*Cactaceae*). – *Ann. Bot.* **80**: 767–786.
- Nyffeler R. & Eggli U. 2010: A farewell to dated ideas and concepts – molecular phylogenetics and a revised suprageneric classification of the family *Cactaceae*. – *Schumannia* **6**: 109–151.
- Oehme H. 1937: *Gymnocalycium Sutterianum* (Schick Berg.*). – *Kakt. And. Sukk.* **1**: 198–199.
- Oehme H. 1938: Zu *Gymnoc. Sigelianum* und *capillaensis*. – *Kakt. And. Sukk.* **2**: 10–12.
- Otto F. 1833: Ueber die *Cactus*-Pflanzen des hiesigen botanischen Gartens. – *Allg. Gartenzeitung* **1**: 361–368.
- Parfitt B. D. 1980: Origin of *Opuntia curvospina* (*Cactaceae*). – *Syst. Bot.* **5**: 408–418.
- Parfitt B. D. & Gibson A. C. 2003: *Cactaceae*. – In: *Flora of North America* Editorial Committee (eds.), *Flora of North America* **4**. *Magnoliophyta: Caryophyllidae*, part 1. – Published at http://www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=10141 [accessed 2019].
- Pfeiffer L. 1837: Enumeratio diagnostica Cactearum hucusque cognitarum. – *Berolini: L. Oehmigke*.
- Pin A. L. 1998: Nota sobre dos especies de *Brasilopuntia* (*Cactaceae*): *B. schulzii* y *B. brasiliensis*. – *Rojasiana* **4**: 144–163.
- Pineda O. P. & Oyuela O. W. 2020: Sinopsis del género *Opuntia* Mill. (*Opuntioideae*, *Cactaceae*) en Honduras. – *Revista Forest. Perú* **35**: 54–72.
- Pinkava D. J. 2003: *Opuntia*. – Pp. 123–148 In: *Flora of North America* Editorial Committee (eds.), *Flora of North America* **4**. *Magnoliophyta: Caryophyllidae*, part 1. – New York & Oxford: Oxford University Press.
- Pinkava D. J. & Parfitt B. D. 1988: Nomenclatural changes in Chihuahuan Desert *Opuntia* (*Cactaceae*). – *Sida* **13**: 125–130.
- Pontes R. C., Deble A. S. D. O. & Deble L. P. 2018: *Frailea erythracantha* (*Cactaceae*): a new species from pampa grasslands, Rio Grande do Sul State, Brazil. – *Phytotaxa* **369**: 211–218.
- Porrás-Flórez D., Albesiano S. & Arrieta-Violet L. 2017: El género *Opuntia* (*Opuntioideae* – *Cactaceae*) en el departamento de Santander, Colombia. – *Biota Colombiana* **18**: 111–131.
- Powell M. J. & Weedon J. F. 2004: *Cacti of the Trans-Pecos and adjacent areas*. – Lubbock: Texas Tech University Press.
- POWO 2019: *Plants of the World Online*. Facilitated by the Royal Botanic Gardens, Kew. – Published at <http://www.plantsoftheworldonline.org/> [accessed 2019–2021]
- Rausch W. 1987: *Lobivia* 85. – Wien: Rudolf Herzig.
- Realini M. F., González G. E., Font F., Picca P. I., Poggio L. & Gottlieb A. M. 2015: Phylogenetic relationships in *Opuntia* (*Cactaceae*, *Opuntioideae*) from southern South America. – *Pl. Syst. Evol.* **301**: 1123–1134.
- Řepka R., Koutecký P. & Vahalík P. 2015: *Gymnocalycium campestre* (*Cactaceae*, *Trichocereae*), a new species from Córdoba, Argentina. – *Novon* **24**: 240–288.
- Řepka R. & Mracek J. 2012: *Gymnocalycium esperanzae*: a nothospecies? – *Haseltonia* **18**: 105–115.
- Rigerszki Z., Delanoy G., Ujréti E. & Vilardebo A. 2007: *Melocacti of Cuba*. – *Tradate: Cactus & Co*.
- Rischer W. 2016: Die *Echinocereus scheeri* - Gruppe. – *Echinocereenfreund* **29** (**Sonderausgabe**): 1–176.
- Rischer W. & Blum W. 2014: *Echinocereus* – die *adustus*-Gruppe. – *Echinocereus Online-J.* (**Sonderausgabe**): 1–136.
- Ritz C. M., Fickenscher K., Föller J., Herrmann K., Mecklenburg R. & Wahl R. 2016: Molecular phylogenetic relationships of the Andean genus *Aylostera* Speg. (*Cactaceae*, *Trichocereae*), a new classification and a morphological identification key. – *Pl. Syst. Evol.* **302**: 763–780.
- Ritz C. M., Martins L., Mecklenburg R., Goremykin V. & Hellwig F. H. 2007: The molecular phylogeny of *Rebutia* (*Cactaceae*) and its allies demonstrates the influence of paleogeography on the evolution of South American mountain cacti. – *Amer. J. Bot.* **94**: 1321–1332.
- Ritz C. M., Reiker J., Charles G., Hoxey P., Hunt D. R., Lowry M., Stuppy W. & Taylor N. 2012: Molecular phylogeny and character evolution in terete-stemmed Andean opuntias (*Cactaceae* – *Opuntioideae*). – *Molec. Phylogen. Evol.* **65**: 668–681.
- Rowley G. 1958: Reunion of the genus *Opuntia*. – *Natl. Cact. Succ. J.* **13**: 3–6.
- Rowley G. 1985: A checklist of *Lobivia* names. – *Cact. Succ. J. Gr. Brit.* **44**: 75–81.
- Rowley G. 2013: *Pereskia* - one genus or two? – *Cact. Syst. Init.* **32**: 6–7.
- Rümpler T. 1886: *Carl Friedrich Förster's Handbuch der Cacteenkunde in ihrem ganzen Umfange nach dem gegenwärtigen Stande der Wissenschaft bearbeitet und durch die seit 1846 begründeten Gattungen und neu eingeführten Arten vermehrt*. – Leipzig: Wöller.
- Salm-Dyck J. F. zu 1834: *Hortus Dyckensis. Oder Verzeichniss der in dem botanischen Garten zu Dyck wachsenden Pflanzen*. – Düsseldorf: Arnz & Comp.
- Salm-Dyck J. F. zu 1850: *Cacteeae* in *Horto Dyckensi Cultae. Anno 1849*. – *Bonnae: Henry & Cohen*.

- Sánchez D., Arias S. & Terrazas T. 2013: Análisis morfológico de las especies de *Echinocereus* sección *Triglochidiati* (*Cactaceae*) en México. – *Brittonia* **65**: 368–385.
- Sánchez D., Arias S. & Terrazas T. 2014: Phylogenetic relationships in *Echinocereus* (*Cactaceae*, *Cactoideae*). – *Syst. Bot.* **39**: 1183–1196.
- Sánchez D., Gómez-Quintero D., Vargas-Ponce O., Carrillo-Reyes P. & Dávila-Aranda P. 2020: Species delimitation in the *Echinocereus pulchellus* complex (*Cactaceae*). – *Brittonia* **72**: 433–452.
- Sánchez D., Grego-Valencia D., Terrazas T. & Arias S. 2015: How and why does the areole meristem move in *Echinocereus* (*Cactaceae*)? – *Ann. Bot.* **115**: 19–26.
- Sánchez D., Terrazas T., Grego-Valencia D. & Arias S. 2018: Phylogeny in *Echinocereus* (*Cactaceae*) based on combined morphological and molecular evidence: taxonomic implications. – *Syst. Biodivers.* **16**: 28–44.
- Santos M. R., Machado M. C., Garcia F. C. P. & Taylor N. P. 2015: Taxonomic adjustments in *Discocactus Pfeiff.* (*Cactaceae*). – *Phytotaxa* **207**: 209–212.
- Sarnes E. & Sarnes N. 2020a: *Austrocactus hibernus*: new habitats in Patagonia and the description of a new subspecies. – *Cact. Succ. J.* (Los Angeles) **92**: 224–230.
- Sarnes E. & Sarnes N. 2020b: Eine neue Art aus Mendoza (Argentinien): Erstbeschreibung von *Austrocactus praecox*. – *Kakt. And. Sukk.* **71**: 225–230.
- Sarnes E. & Sarnes N. 2020c: A new *Austrocactus* from ‘Nowhere Land’. – *CactusWorld* **38**: 165–170.
- Schädlich V. 2020: *Frailea diersiana* (*Cactaceae*) – eine neue Art aus Ostbolivien. – *Kakt. And. Sukk.* **71**: 197–204.
- Scheinvar L., Olalde-Parra G., Gallegos-Vazquez C. & Morales-Sandoval J. 2018: A new species of *Opuntia* (*Cactaceae*) from coniferous and *Quercus* forest of northern Mexico. – *Bradleya* **36**: 25–32.
- Schlumpberger B. O. 2012: New combinations in the *Echinopsis* alliance. – *Cact. Syst. Init.* **28**: 30–32.
- Schlumpberger B. 2021: Revisions of *Acanthocalycium*, *Echinopsis*, *Leucosteles*, *Lobivia*, *Reicheocactus*, *Setiechinopsis*, *Soehrensia*, *Trichocereus*. – In: Korotkova N. & al., *Cactaceae* at Caryophyllales.org – a dynamic online species-level taxonomic backbone for the family. – *Willdenowia* **51**: 251–270.
- Schlumpberger B. O. & Renner S. S. 2012: Molecular phylogenetics of *Echinopsis* (*Cactaceae*): polyphyly at all levels and convergent evolution of pollination modes and growth forms. – *Amer. J. Bot.* **99**: 1335–1349.
- Schumann K. M. 1899: Gesamtbeschreibung der Kakteen (Monographia Cactacearum). – Neudamm: J. Neumann.
- Schütz B. 1986: Monografie rodu *Gymnocalycium*. – Brno: Vydal Klub Kaktusaru *Astrophytum*.
- Stuppy W. 2001: A new combination in *Tephrocactus* Lem. (*Cactaceae*). – *Kew Bull.* **56**: 1003–1005.
- Tapia H. J., Bárcenas-Argüello M. L., Terrazas T. & Arias S. 2017: Phylogeny and circumscription of *Cephalocereus* (*Cactaceae*) based on molecular and morphological evidence. – *Syst. Bot.* **42**: 709–723.
- Taylor N. P. 1985: *Echinocereus chisoensis*. – *Bot. Mag.* (Kew Mag.) **2**: 258–261.
- Taylor N. P. 1991: The genus *Melocactus* (*Cactaceae*) in Central and South America. – *Bradleya* **9**: 1–80.
- Taylor N. P. 1994: Proposal to conserve *Cactus cruciformis* Vell. (*Cactaceae*). – *Taxon* **43**: 469–470.
- Taylor N. P. & Albuquerque-Lima S. 2020: Annotated checklist of *Cactaceae* in the Catimbau National Park, Pernambuco, Brazil. – *Bradleya* **38**: 231–246.
- Taylor N., Olsthoorn G., Zappi D., Khew G. & Quandt D. 2014: A remarkable new *Rhipsalis* (*Cactaceae*) from eastern Brazil. – *Bradleya* **32**: 2–12.
- Taylor N. P., Stuppy W. & Barthlott W. 2002: Realignment and revision of the *Opuntioideae* of eastern Brazil. – *Succ. Pl. Res.* **6**: 99–132.
- Taylor N. P. & Zappi D. C. 1997: Nomenclatural adjustments and novelties in Brazilian *Cactaceae*. – *Cact. Syst. Init.* **3**: 7–8.
- Taylor N. P. & Zappi D. 1998: A new name in *Rhipsalis*. – *Cactaceae Consensus Init.* **6**: 7.
- Taylor N. P. & Zappi D. C. 2004: *Cacti of eastern Brasil*. – London: Kew Publishing.
- Taylor N. P. & Zappi D. C. 2019: Notes on plants called *Cereus hexagonus* (*Cactaceae*). – *Bradleya* **37**: 17–25.
- Taylor N. P. & Zappi D. C. 2020: (2774) Proposal to conserve the name *Cassyta baccifera* (*Rhipsalis baccifera*) against *Cactus parasiticus* (*Cactaceae*). – *Taxon* **69**: 1117–1118.
- Taylor N. P., Zappi D. C. & Albuquerque-Lima S. 2021: A new *Pereskia* (*Cactaceae*) from Minas Gerais, Brazil. – *Phytotaxa* **494**: 289–296.
- Taylor N. P., Zappi D. C. & Rosa P. 2019: A new *Pilosocereus* (*Cactaceae*) from Goiás state, Brazil. – *Bradleya* **37**: 12–16.
- TPL 2013: The Plant List v. 1.1. – Published at <http://www.theplantlist.org/> [accessed 2019–2021].
- Tropicos 2020: Tropicos. – St. Louis: Missouri Botanical Garden. – Published at <https://www.tropicos.org> [accessed 2018–2021].
- Vargas-Luna M. D., Hernández-Ledesma P., Majure L. C., Puente-Martínez R., Hernández Macías H. M. & Bárcenas Luna R. T. 2018: Splitting *Echinocactus*: morphological and molecular evidence support the recognition of *Homalocephala* as a distinct genus in the *Cactaceae*. – *PhytoKeys* **111**: 31–59.
- Vaupel F. 1925–1926: Die Kakteen. Monographie der *Cactaceae*. – Berlin: Published by the author.
- Vázquez-Lobo A., Morales G. A., Arias S., Golubov J., Hernández-Hernández T. & Mandujano M. C. 2015: Phylogeny and biogeographic history of *Astrophytum* (*Cactaceae*). – *Syst. Bot.* **40**: 1022–1030.
- Vázquez-Sánchez M., Sánchez D., Terrazas T., De la Rosa-Tilapa A. & Arias S. 2019: Polyphyly of the iconic cactus genus *Turbincarpus* (*Cactaceae*) and its generic circumscription. – *Bot. J. Linn. Soc.* **190**: 405–420.
- Vázquez-Sánchez M., Terrazas T., Arias S. & Ochoterena H. 2013: Molecular phylogeny, origin and taxonomic implications of the tribe *Cacteeae* (*Cactaceae*). – *Syst. Biodiv.* **11**: 103–116.
- Velazco Macías C. G., Alvarado Vázquez M. A. & Arias S. 2013: A new species of *Aztekium* (*Cactaceae*) from Nuevo León, México. – *Xerophilia Special Issue* **2**: 13–18.
- Villaseñor J. L. 2016: Checklist of the native vascular plants of Mexico. – *Rev. Mex. Biodivers.* **87**: 559–902.
- Wallace R. S. & Dickie S. L. 2002: Systematic implications of chloroplast DNA sequence variation in

- subfam. *Opuntioideae* (*Cactaceae*). – Succ. Pl. Res. **6**: 9–24.
- WCVP 2019: Dataset export of the World Checklist of Vascular Plants database, dated Dec 2019.
- WFO 2019: World Flora Online taxonomic backbone data export for *Caryophyllales*, dated 22 Oct 2019, received from William Ulate, Missouri Botanical Garden.
- Wittner H. 2020: Notes about some *Browningia* species in northern Peru. – *Bradleya* **38**: 51–58.
- Zappi D. C. 1994: *Pilosocereus* (*Cactaceae*): the genus in Brazil. – Succ. Pl. Res. **3**: 1–135.
- Zuloaga F. O., Morrone O., Belgrano M. J., Marticorena C. & Marchesi E. 2008: Catálogo de las plantas vasculares del Cono Sur. – *Monogr. Syst. Bot. Missouri Bot. Gard.* **107**: 1–3348.

Willdenowia

Open-access online edition bioone.org/journals/willdenowia 

Online ISSN 1868-6397 · Print ISSN 0511-9618 · 2020 Journal Impact Factor 0.985

Published by the Botanic Garden and Botanical Museum Berlin, Freie Universität Berlin

© 2021 The Authors · This open-access article is distributed under the CC BY 4.0 licence